The 26th Congress of the Asian Pacific Society of Respirology

APSR 2022

17-20 November 2022 Coex, Seoul, Korea

"Above and Beyond"

PROGRAM BOOK

HOSTED BY



















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APSR 2022

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ORAL PRESENTATION & POSTER EXHIBITION

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18 November	80
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WELCOME MESSAGES

FROM THE LOCAL CONGRESS COMMITTEE OF APSR 2022

Dear Colleagues and Friends,

It is our great pleasure to invite you to the 26th Congress of the Asian Pacific Society of Respirology (APSR 2022), which will take place on 17-20 November 2022 at Coex in Seoul, Republic of Korea.

This is the second time that Korea has been given the honor to host this prestigious event since the 2009 congress in Seoul. At the APSR 2022, under the theme "Above and Beyond" a large number of professors, doctors, researchers, nurses, and distinguished leaders from Asia will get together to discuss recently emerging issues and exchange the latest information in the field of Respiratory Diseases, Critical Care Medicine, Oncology, and Clinical Immunology.

The APSR 2022 scientific program will propose high-quality scientific sessions that will provide deeper knowledge and new perspectives on the related themes. The program will be a highly rewarding international platform for all the participants and will contribute to enhancing the scientific level and quality of our field.

Seoul, the host city of the APSR 2022. Rich in historical and cultural heritage, it also offers all the possible conveniences and world-class facilities of the international megalopolis that it has become today. November, with its pleasant weather, is the best time to enjoy the beautiful natural scenery that the capital has to offer.

We look forward to welcoming you and your colleagues to the APSR 2022, which promises to be meaningful and fruitful to all the participants.

Warmest Regards,



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WELCOME MESSAGES

FROM THE APSR PRESIDENT

Above and beyond - time to move on and catch up

With the COVID-19 pandemics over the past three years, one APSR Congress was deferred from 2020 to 2021 to become the APSR Congress Kyoto in 2021 that was held in a hybrid format. This APSR Congress in Seoul 2022 will be held in a close to previous format of physical attendance and meeting like what we used to have before the pandemics. This represented a bold commitment from APSR and the Congress committees towards recovery from COVID-19 pandemics. We do hope to stay connected with members in the region and collegiate society members around the world.

Besides the rich contents as previous APSR Congress program fully packed this time with postgraduate courses, scientific symposia, plenary sessions, oral and poster presentation sessions, with internationally renowned experts invited to speak and to chair discussion sessions, we have introduced two new sessions.

On the first day of the Congress, there will be a new Big 5 Lung Diseases Workshop where APSR, WHO and the Union have gathered new population and community management models for important respiratory diseases including asthma, chronic obstructive pulmonary diseases, pneumonia, tuberculosis and lung cancer for discussion and evaluation by leaders from WHO, ATS, ERS and the Union. On the fourth day of the Congress, there is another new session of Joint APSR-GOLD where representatives from the GOLD committee will discuss and bring us updates on COPD management.

On behalf of APSR, I would like to take this chance to thank both the Central and the Local Congress Committees in Korea for making this Congress happened. May I extend our warm APSR welcome to all society leaders, delegates and participants, and wish you all an enjoyable and memorable APSR Congress in Seoul 2022!



David CL Lam President, Asian Pacific Society of Respirology



OVERVIEW

Congress Overview	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Title	The 26th Congress of the Asian Pacific Society of Respirology (APSR 2022)
Thema	Above and Beyond
Date	17-20 November 2022
Venue	Coex, Seoul, Korea
	ASian Pacific Society of Respirology (APSR)
Hosted by	The Korean Academy of Tuberculosis and Respiratory Diseases (KATRD)
Change and by	Korea Tourism Organization
Sponsored by	Seoul Metropolitan Government
Expected Participants	2,000 Delegates from 50 Countries
Official Language	English
Program	Lecture, Symposium, Oral and Poster Discussion, Sponsored Symposium, Post-graduate Course, Opening/Closing Ceremony, Welcome Reception, Gala Dinner, Social Program, Tour Program, Exhibition, etc.
Website	www.apsr2022.org

Congress Logo





(Hanbok), a Korean traditional attire. The harmony of the colorful stripes symbolizes the Asia-Pacific countries.

The logo represents a variety of countries in the region, which come together for cooperation and advancement in the field of respirology so that members of APSR go above and beyond the current limitations and make a great leap forward.

ABOUT THE APSR & KATRD

Asian Pacific Society of Respirology



Having been established in 1986, the Asian Pacific Society of Respirology (APSR) held its first academic conference in Tokyo, Japan in October, 1988, before turning it into an annual occurrence in 2000. It has enjoyed continued growth and is now recognized as being almost on par with the American Thoracic Society (ATS) and the European Respiratory Society (ERS). APSR is aimed at promoting friendship and the sharing of the latest knowledge and research findings among physicians, nurses, lung function technicians, and respiratory rehabilitation therapists involved in the treatment of respiratory diseases in such Asia-Pacific countries/regions as Japan, Australia, New Zealand, Korea, China, Taiwan, Thailand, Singapore, and the Philippines.

KATRD in Service of Humanity's Respiratory Health and Happiness



Started as an academic arm of the Korean National Tuberculosis Association (KNTA) in November 1953, KATRD has become a society that boasts a long history and tradition. Despite significant challenges in the wake of the Korean War, the society's first academic conference took place on November 7, 1953 thanks to its passion for research and its resolve for tuberculosis eradication. It was re-launched as the Korean Academy of Tuberculosis in 1961 and then renamed the Korean Academy of Tuberculosis and Respiratory Diseases (KATRD) in 1989.

KATRD's focus on academic advances through exchanges and harmony among its members has been the catalyst for both its continued growth over the last 65 years and its unrivaled position as a prime organization in the research and treatment of respiratory diseases like tuberculosis. It now has more than 1,620 members and has hosted 127 academic conferences. Its official journal, "Tuberculosis and Respiratory Diseases (TRD)," has been listed on PubMed, contributing to the international dissemination of its research findings, and it strives to elevate the journal to the SCI level.

With today's increased risks of respiratory diseases such as chronic obstructive pulmonary disease, lung cancer, bronchial asthma, and lung injury, KATRAD has designated Lung Day to promote the importance of pulmonary health and giving up smoking. This campaign to increase awareness among the general public has earned KATRD recognition as an exemplary academic society that fulfills its social responsibilities.



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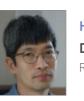


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Jason Phua	National University Hospital, Singapore
Jeong Eun Lee	Chungnam National University School of Medicine, Republic of Korea
Ji Ye Jung	Yonsei University College of Medicine, Republic of Korea



Speakers	AR CONTRACTOR OF THE PROPERTY
 Ji-Eun Park	Ajou University School of Medicine, Republic of Korea
Ji-yong Moon	Hanyang University College of Medicine, Republic of Korea
Jin Woo Song	University of Ulsan College of Medicine, Republic of Korea
Jin-won Huh	University of Ulsan College of Medicine, Republic of Korea
Jinwoo Lee	Seoul National University Hospital, Republic of Korea
Joo Hun Park	Ajou University School of Medicine, Republic of Korea
Joo-Hee Kim	Hallym University College of Medicine, Republic of Korea
Jun-Pyo Myong	The Catholic University of Korea College of Medicine, Republic of Korea
June Hong Ahn	Yeungnam University Medical Center, Republic of Korea
Jung Hwa Hwang	Soonchunhyang University College of Medicine, Republic of Korea
Jung Seop Eom	Pusan National University Hospital, Republic of Korea
Jung-Kyu Lee	Seoul National University, Republic of Korea
Jung-Wan Yoo	Gyeongsang National University Hospital, Republic of Korea
Jung-Yien Chien	National Taiwan University Hospital, National Taiwan University College of Medicine, Taiwan
Karin Klooster	University Medical Center Groningen, Kingdom of the Netherlands
Kazuhide Sato	Nagoya University, Japan
Kazuhisa Takahashi	Juntendo University, Japan
Kenneth R. Chapman	Toronto General Hospital Research Institute, Canada
Koichiro Asano	Tokai University School of Medicine, Japan
Konstantinos Kostikas	University of Ioannina, Greece
Kwang Ha Yoo	Konkuk University School of Medicine, Republic of Korea
Kwun Fong	The University of Queensland, Australia
Kyoung-Hee Sohn	Kyung Hee University School of Medicine, Republic of Korea
Kyung Hyun Oh	World Health Organization Regional Office for the Western Pacific, Philippines
Kyung Soo Chung	Severance Hospital, Republic of Korea
lan Pavord	University of Oxford, United Kingdom
Lina Madaniyazi	Nagasaki University, Japan
Martie Van Tongeren	The University of Manchester, United Kingdom
Martijn A. Spruit	Maastricht University Medical Center, Kingdom of the Netherlands

Speakers	and the second s
Martin Kolb	McMaster University, Canada
Mi-Ae Kim	CHA University, Republic of Korea
Min-Jong Kang	Yale University, U.S.A.
Ming-Cheng Chan	Taichung Veterans General Hospital, Taiwan
Mona Bafadhel	King's College London, United Kingdom
Moo Suk Park	Yonsei University College of Medicine, Republic of Korea
Motoo Yamauchi	Nara Medical University, Japan
Neil Schluger	Tuberculosis Control Branch, California Department of Public Health, U.S.A.
Nick Kim	Critical Care & Sleep Medicine, University of California San Diego, U.S.A
Nicola Hanania	Baylor College of Medicine, U.S.A.
Omar S Usmani	National Heart and Lung Institute (NHLI), Imperial College London, United Kingdom
Parameswaran Nair	McMaster University, Canada
Patricia Rivera	University of Rochester Medical Center, U.S.A.
Phuong Phan Thu	Bach Mai Hospital, Viet Nam
Richard Russell	University of Oxford, United Kingdom
Ruth Murray	Director Medscript Ltd NZ & Research Fellow, OPC, New Zealand
Sang Haak Lee	Eunpyeong St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Republic of Korea
Satoshi Mitarai	The Research Institute of Tuberculosis, Japan
Se Hee Lee	CHA University, Republic of Korea
Sei Won Kim	The Catholic University of Korea College of Medicine, Republic of Korea
Seiya Kato	The Research Institute of Tuberculosis, Japan
Seok Jeong Lee	Yonsei University Wonju College of Medicine, Republic of Korea
Seong Yong Lim	Sungkyunkwan University School of Medicine, Republic of Korea
Seong-Hoon Yoon	Pusan National University Yangsan Hospital, Republic of Korea
Seung Hyun Yong	Yonsei University College of Medicine, Republic of Korea
Seung Won Ra	Ulsan University Hospital, Republic of Korea
So Ri Kim	Chonbuk National University Medical School, Republic of Korea
So Young Park	Hallym University College of Medicine, Republic of Korea



Speakers Soo-Jong Hong University of Ulsan College of Medicine, Republic of Korea Soon Ho Yoon Seoul National University College of Medicine, Republic of Korea Stefano Aliberti University of Millan, Italy Sun Mi Choi Seoul National University College of Medicine, Republic of Korea Sun-Young Kim National Cancer Center, Republic of Korea Sung Yong Lee Korea University College of Medicine, Republic of Korea Sung Yoon Lim Seoul National University College of Medicine, Republic of Korea Sunghee Park Soonchunhyang University Hospital Bucheon, Republic of Korea Sungjune Kim H. Lee Moffitt Cancer Center, U.S.A. Tai Joon An Yeouido St. Mary Hospital, College of Medicine, Catholic University of Korea, Republic of Korea Takashi Ogura Kanagawa Cardiovascular and Respiratory Center, Japan Takeshi Johkoh Kansai Rosai Hospital, Japan Takeshi Kaneko Yokohama City University, Japan Talant Sooronbaev National Center of Cardiology and Internal Medicine, Kyrgyzstan University of Southern California, U.S.A. Toby Maher Tsu F. Yeh Taipei Medical University, Taiwan Won Chul Cha Samsung Medical Center, Sungkyunkwan University School of Medicine, Republic of Korea Won-II Choi Myongji Hospital, Republic of Korea Won-Young Kim Chung-Ang University Hospital, Republic of Korea Woo Jin Kim Kangwon National University, Republic of Korea **Woo-Jung Song** University of Ulsan College of Medicine, Republic of Korea Yasuhiro Kondoh Tosei General Hospital, Japan Yeol Kim National Cancer Center, Republic of Korea Yeon Wook Kim Seoul National University, College of Medicine, Republic of Korea Yeon-Mok Oh University of Ulsan College of Medicine, Republic of Korea

Konkuk University School of Medicine, Republic of Korea

Seoul National University College of Medicine, Republic of Korea

School of Public Health and Preventive Medicine, Monash University, Australia

AWARDS

APSR Medal



Yoichi Nakanishi Kitakyushu City Hospital Organization Japan

Michiyoshi Harasawa Research Award



Chong-Jen Yu National Taiwan University College of Medicine Taiwan

Ann Janet Woolcock Research Award



Anne Chang Menzies School of Health Research Australia

Fukuchi Award for Best Original Research Paper in Respirology



Peter Wark Hunter Medical Research Institute Australia

"ACE2 expression is elevated in airway epithelial cells from older and male healthy individuals but reduced in asthma"

Peter A B Wark, Prabuddha S Pathinayake, Gerard Kaiko, Kristy Nichol, Ayesha Ali, Ling Chen, Erika N Sutanto, Luke W Garratt, Sukhwinder S Sohal, Wenying Lu, Mathew S Eapen, Christopher Oldmeadow, Nathan Bartlett, Andrew Reid, Punnam Veerati, Alan C-Y Hsu, Kevin Looi, Thomas Iosifidis, Stephen M Stick, Philip M Hansbro, Anthony Kicic



University of Queensland Austrailia

"Outcomes of protracted bacterial bronchitis in children: A 5-year prospective cohort study"

Tom J C Ruffles, Julie M Marchant, lan B Masters, Stephanie T Yerkovich, Danielle F Wurzel, Peter G Gibson, Greta Busch, Katherine J Baines, Jodie L Simpson, Heidi C Smith-Vaughan, Susan J Pizzutto, Helen M Buntain, Gregory Hodge, Sandra Hodge, John W Upham, Anne B Chang

APSR ATS Young Investigator Award



Alejandro A Pezzulo University of Iowa U.S.A.



Rachel S. Knipe Massachusetts General Hospital U.S.A.

Youlim Kim

Yuming Guo

Young-Jae Cho



APSR ERS Young Investigator Award



Yong Suk Jo Seoul St Mary Hospital, College of Medicine, The Catholic University of Korea Republic of Korea



Apisara Suriyakul Thammasat University Faculty of Medicine Thailand

APSR TSANZ Young Investigator Award



Olivia Carroll

The University of Newcastle and the Priority Research Centre for Healthy Lungs, Hunter Medical Research Institute - Newcastle Australia

APSR JRS Young Investigator Award



Yusuke Shiraishi Graduate School of Medicine, Kyoto University Japan



Ho Namkoong Keio University School of Medicine Japan



Takanori Asakura University of North Carolina at Chapel Hill

APSR Travel Award



Yina Wang The Second Xiangya Hospital, CSU China



Jamaluddin Madolangan Hasanuddin University Indonesia



Thi Mai Phuong Nguyen National Lung Hospital Viet Nam



Benjo Ato Southern Philippines Medical Center Philippines



Wannigama Chulalongkorn University Thailand



Narongkorn Saiphoklang Thammasat University Faculty of Medicine Thailand



Nagesh Dhadge



Pyng Lee National University of Singapore Singapore

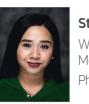


Brian Nelson Ong Lung Center of the Philippines Philippines



Ji-Young Lee Inflammation-Cancer Microenvironment Research CenterCollege of Medicine, Ewha Womans University Republic of Korea

APSR Young Investigator Award



Stephanie Palacios West Visayas State University Medical Center Philippines



Adhitri Anggoro Medical Faculty of Airlangga University / Dr. Soetomo General Academic Hospital



Jooyeon Lee Kangwon National University Republic of Korea

Sengkang General Hospital

Yiting Tang

Singapore



Yedham Kang Korea University Ansan Hospital Republic of Korea



Jimin Jang Kangwon National University Republic of Korea



Shih-Yu Chen National Taiwan University Hospital Hsin-Chu Branch Taiwan



Song-I Lee Chungnam National University Hospital Republic of Korea



Shinya Otsuka National Hospital Organization Hakodate National Hospital



Yoshifumi Suzuki Juntendo University Faculty of Medicine and Graduate School of Medicine Japan



ON-DEMAND PLATFORM



Go to the On-demand Platform

apsr2022-ondemand.org

On-demand platform is available for both web and mobile versions.



Scan for the On-demand platform

*On-demand platform will be available for 1 month after the congress. (Until 31 January 2023)

How to use

You could log in the app and on-demand platform with e-mail address that you put for the registration.

MOBILE APP







Android



1. Scan QR Code

Turn on camera or QR Code reader app for scanning.

2. Search the App at Mobile Store

Install after searching 'APSR 2022' at Google play store or apple app store.

VOTING

2

Voting App Implementation



Open APSR 2022 app.



Log in with the email on registration.



Click voting menu. (Click 'Voting' on Main icon or menu.)

Voting Participation



Click the date and check the on-going voting list, and click 'UPDATE ANSWER'.



Check question and options for answers and cast a vote.
-> When answer selection is completed will pop up.



For the case of voting that you selected an answer, the answer is seen on the list.

Check Completed Voting



Click 'Finished' and check the list of completed voting.
-> Click 'SEE RESULT' and check the voting result.



Check voting result statistics.
-> Check the final result of voting count.



GENERAL INFORMATION

Abstract & Publication

Abstract of the APSR 2022 (oral/poster) is only published a mobile application and on-demand program.

(*the application access ID is your registration email). Final version of the Respirology web publication will be announced later on the website.

Certificate of Attendance

Certificate of attendance will be sent through email after the congress.

APSR 2022 APP

Search APSR 2022 to install the congress interactive mobile app to your smartphone and portable device to access all the information you need!

Exhibition

Exhibition is held in Hall D2. The Lounges for Diamond Sponsors are located at the lobbies of Hall D2 (3rd floor), Auditorium (3rd floor) and Grand Ballroom (1st floor).

Badges

Name badges must be worn for admittance to all APSR 2022 programs. There will be a US\$50 fee for replacement of badges.

Poster Exhibition

- · Venue: Hall D (3F) lobby
- · Date & Time: 09:20-19:00, 18-19 November
- Detail information of poster exhibitions are available on APSR2022 official website: Program> Oral Presentation & Poster Exhibition (or Board> Download Center)

Camera and Recording

Any electronic recording as well as photograph taking are NOT allowed in session rooms nor in the exhibit and poster areas.

Time Zone

Korea is 9 hours ahead of Greenwich Mean Time (GMT +9) and does not observe daylight savings time.

Weather

In November average day temperature is from 13°C to 14°C (SP to 57°F). Warm days and cool nights, so a light coat is useful. For detailed information, please visit the official website of Korea Metrological Administration.

Language

The official language of the congress is English. Simultaneous translation will NOT be provided.

Insurance

The Local Congress Committee (LCC) will take no liability for personal injuries sustained by, or for loss or damage to property belonging to congress participants, either during or as a result of the congress. It is, therefore, advised that participants arrange their own personal health, accident and travel insurance.

Mobile Phone (Roaming)

CDMA cellular systems are widely used in Korea. SK Telecom, KT and LG U+ provide a SIM card roaming service to allow you to use your GSM subscription in Korea. At Incheon International Airport, you can rent a special CDMA cellular phone which accepts your SIM card.

Currency & Foreign Exchange

Currency in Korea is KRW(South Korean Won) and there are four bill nominations of 1,000, 5,000, 10,000 and 50,000 won. As of November 2022, 1 US dollar is equivalenet to 1,350 Korean Won. Foreign currencies could be easily exchanged to KRW at airports, major hotels, bank branches and foreign exchange booths. Please refer to Currency Converter on the Internet for the latest exchange rate.



Credit Cards

Major credit cards like VISA, Master Card, American Express and Diners Club are widely accepted, but some small shops, restaurants and traditional markets only accept cash. For cash withdrawal or exchange, banks and ATMs are easy to find throughout Korea.

Tipping & Taxes

Tipping is not a Korean custom. A 10% service charge is added to your bill at all tourist hotels and tips are not expected. It is not necessary to tip a taxi driver unless he assists you with luggage or provides extra service. Visitors can receive a refund on a receipt for a minimum purchase of KRW 30,000.

Electricity

Standard electricity supply is 220 volts AC at 60Hz (with 2 round holes). Some hotels may provide outlet converters for 110 and 220 volts. Participants are advised to check with the hotel beforehand or bring an adapter.

Smoking Policy

Smoke free Area

Prayer Room

3rd Floor (Near by Conference Room E)
Opening Hours: 03:00-22:00

Internet Access

As a leading nation in information technology, Korea provides one of the best internet connections worldwide. Take privilege of the world's fastest internet speed through Wi-Fi for your convenience during your time in Korea.

- At Coex: Choose "COEX Free Wi-Fi Zone" or "SK wifi zone 5G" (ID: apsr2022 / PW: seoul2022) on your mobile device.
- At Starfield Coex Mall: Choose "Public Wi-Fi Free" on your mobile device.

Secretariat Office

Service are available in room 205A during business hours:

 Wednesday 16 November
 07:00-22:00

 Thursday 17 November
 06:30-22:00

 Friday 18 November
 06:30-22:00

 Saturday 19 November
 06:30-22:00

 Sunday 20 November
 06:30-15:00

Registration & Tours & Accommodation

Grand Ballroom Lobby during business hours:

 Wednesday 16 November
 14:00-17:00

 Thursday 17 November
 07:30-18:00

 Friday 18 November
 07:30-18:00

 Saturday 19 November
 07:30-18:00

 Sunday 20 November
 07:30-13:00

FAPSR Lounge

Service are available in room 210 during business hours:

Thursday 17 November 09:30-18:00 Friday 18 November 09:30-18:00 Saturday 19 November 09:30-18:00 Sunday 20 November 09:00-13:00

Preview Room & Speaker's Lounge (201)

Speakers may preview and upload their presentation(s) in room 201 during business hours:

 Wednesday 16 November
 14:00-18:00

 Thursday 17 November
 08:00-18:00

 Friday 18 November
 07:30-18:00

 Saturday 19 November
 07:30-13:00

 Sunday 20 November
 07:30-13:00

Venue

Address. 513, Yeongdong-daero, Gangnam-gu, Seoul 06164, Korea

Tel. +82-2-6000-0114

Website. https://www.coexcenter.com

Map. https://goo.gl/maps/SFuprQpckL2bDp7H6



OPENING CEREMONY AND SOCIAL PROGRAMS

Opening Ceremony & Welcome Reception



All registered participants and exhibitors are cordially invited to the Opening Ceremony. You are kindly requested to wear your badge for recognition. After the Opening Ceremony, all attendees are invited to attend the Welcome Reception, giving you a taste of Korea.

Date: Thursday 17 November 2022

Time: 17:30-20:30
Venue: Hall D1, 3F, Coex
Entrance: All Delegates
Dress Code: Business casual



Gala Dinner



Catch up with experts from all over the globe and enjoy the selection of Korean cuisines during the dinner. Award winners will be presented at the event.

Date: Saturday 19 November 2022

Time: 19:30-21:30 **Venue:** Hall D1, 3F, Coex

Entrance: Invitation and ticket only

Dress Code: Business casual



Closing Ceremony



Next congress will be introduced during Closing Ceremony.

Date: Sunday 20 November 2022

Time: 12:50-13:20

Venue: Grand Ballroom 103,1F, Coex

Entrance: All Delegates

Dress Code: Business casual

APSR ASSEMBLY MEETINGS

Friday 18 November 2022, 17:30-19:00



Loc	ation	Assembly
	206A	Pulmonary Circulation
2nd FL	206B	Respiratory Neurobiology and Sleep
ZIIU FL	207	Cell and Molecular Biology
	211	Asthma
2-4 51	R1	Respiratory Infections (non-tuberculous)
3rd FL	R2	COPD
/+b =1	R3	Interstitial Lung Disease
4th FL	R4	Clinical Respiratory Medicine

Saturday 19 November 2022, 17:30-19:00



Loc	ation	Assembly
	206A	Respiratory Structure and Function
2nd FL	206B	Paediatric Lung Disease
ZIIU FL	207	Clinical Allergy & Immunology
	211	Environmental & Occupational Health and Epidemiology
24.51	R1	Tuberculosis
3rd FL	R2	Lung Cancer
/+b FI	R3	Critical Care Medicine
4th FL	R4	Bronchoscopy and Interventional Techniques

APSR Annual General Meeting (AGM)

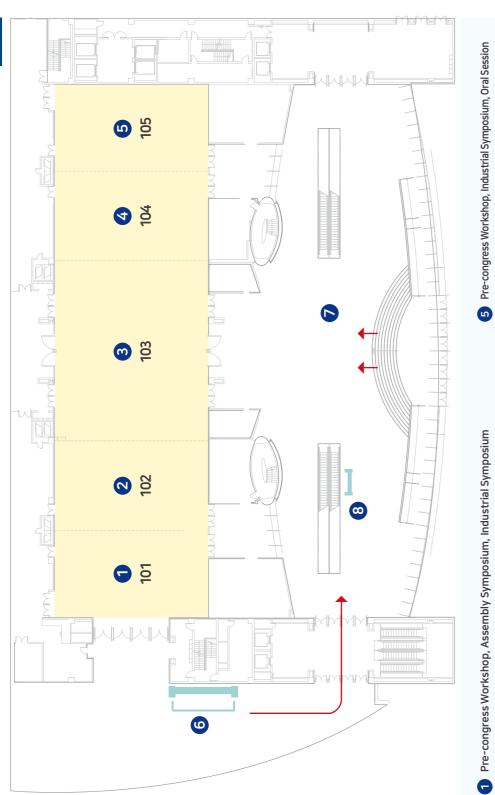


Thursday17 November, 16:45-17:15	Location: 2nd FL 209A&B
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VENUE MAP





2nd Floor

8 KTO Promotion Booth

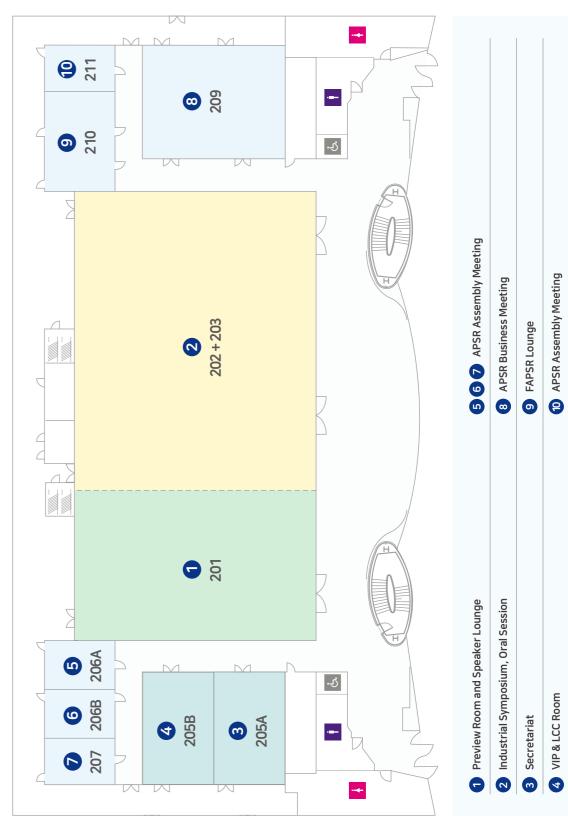
4 Pre-congress Workshop, Industrial Symposium, Young Investigator Awards, Oral Session

3 Pre-congress Workshop, Assembly Symposium, Industrial Symposium, Oral Session

Pre-congress Workshop, Assembly Symposium, Industrial Symposium

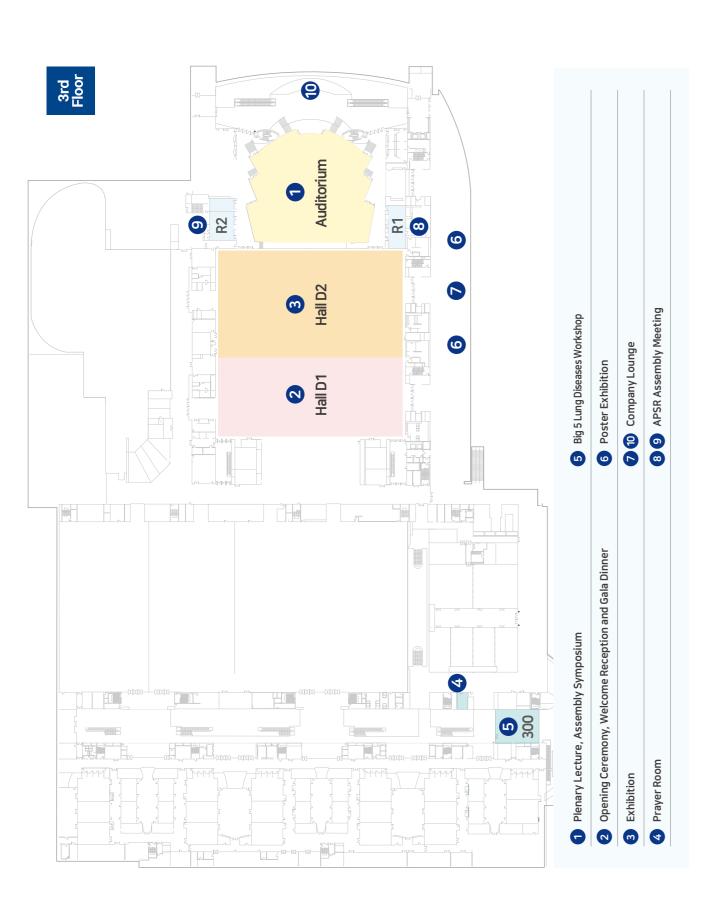
7 Company Lounge

6 Registration

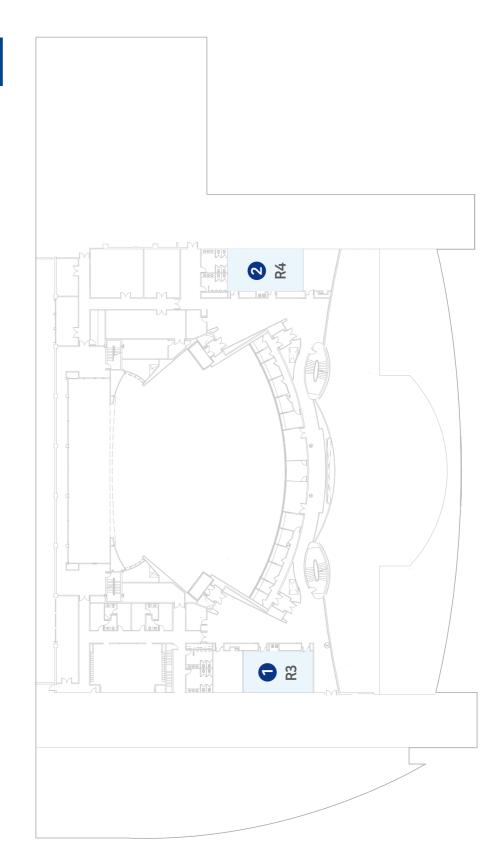


Preview Room and Speaker Lounge	5 6 7 APSR Assembly Meeting
ndustrial Symposium, Oral Session	8 APSR Business Meeting
secretariat	9 FAPSR Lounge
/IP & LCC Room	(D) APSR Assembly Meeting

2 APSR Assembly Meeting







1 APSR Assembly Meeting





SCIENTIFIC PROGRAM

	PROGRAM AT-A-GLANG	CE	46
a	DAILY PROGRAM		
	17 November		51
	18 November		5 5
	19 November		65
	20 November		75



PROGRAM AT-A-GLANCE

Time/Room	Auditorium (3F)	Grand Ballroom 101 (1F)	Grand Ballroom 102 (1F)	Grand Ballroom 103 (1F)	Grand Ballroom 104 (1F)			
	Thursday 17 November 2022							
09:00-12:00		Pre-congress (Hands or		Pre-congress Workshop 2	Pre-congress Workshop 3			
		Critical Car	e Medicine	Lung Cancer	COPD			
12:15-13:45			Lur	nch				
		Pre-congress (Hands or	s Workshop 5 n Session)	Pre-congress Workshop 6	Pre-congress Workshop 7			
14:00-17:00		Interve	scopy and entional niques	Pulmonary Circulation	Asthma			
17:30-20:30								

Friday 18 November 2022							
08:10-09:10	Presidential Lecture 1						
06. 10-05. 10	Presidential Lecture 2						
	Symposium 1	Symposium 2	Symposium 3	Symposium 4	Oral 1		
09:20-10:50	COPD	Tuberculosis	Critical Care Medicine	Lung Cancer	Asthma		
10:50-11:10			Coffee Break				
	Symposium 5	Symposium 6	Symposium 7	Symposium 8	Oral 4		
11:10-12:40	Asthma	Bronchoscopy and Interventional Techniques	Pulmonary Circulation	Interstitial Lung Disease	Tuberculosis		
		Luncheon Symposium 1	Luncheon Symposium 2	Luncheon Symposium 3	Luncheon Symposium 4		
12:50-13:50		Sponsored by DAEWON Pharmaceutical Co., Ltd.	Sponsored by Boehringer Ingelheim Korea	Sponsored by GSK	Sponsored by AstraZeneca Korea		
	Symposium 9	Symposium 10	Symposium 11	Symposium 12	Oral 7		
14:00-15:30	Clinical Respiratory Medicine	Environmental & Occupational Health and Epidemiology	Respiratory Neurobiology and Sleep	Respiratory Infections (non-tuberculous)	COPD		
15:30-15:50			Coffee Break				
	Symposium 13	Symposium 14	Symposium 15	Symposium 16	Young Investigator		
15:50-17:20	Asthma	Cell and Molecular Biology	Lung Cancer	Interstitial Lung Disease	Awards 1		
		Evening Symposium 1	Evening Symposium 2	Evening Symposium 3	Evening Symposium 4		
17:30-18:30		Sponsored by OLYMPUS KOREA CO., LTD	Sponsored by Thermo Fisher Scientific Korea	Sponsored by Boryung Co.	Sponsored by GSK		
18:30-19:00							

Time/Room	Grand Ballroom 105 (1F)	ASEM Ballroom 202+203 (2F)	206A, 206B, 207, 211 (2F), 300 (3F) / R1, R2 (3F) / R3, R4 (4F), Etc.	Hall D (3F)	Hall D Foyer (3F)
		Thursday 17 N	ovember 2022		
09:00-12:00	Pre-congress Workshop 4 Tuberculosis	marsaay 1710	BIG 5 LUNG DISEASES WORKSHOP		
12:15-13:45	Lunch		organised by APSR,		
	Pre-congress Workshop 8		UNION APR, WHO SEARO and WHO WPRO		
14:00-17:00	Interstitial Lung Disease		Room 300 (3F) 09:00-16:00		
17:30-20:30				Opening Ceremony & Welcome Reception (Hall D1)	
		Friday 18 No	vember 2022		
08:10-09:10					
09:20-10:50	Oral 2 Cell and Molecular Biology	Oral 3 Interstitial Lung Disease			
10:50-11:10	2,2,2,5,	Coffee Brea	k		
11:10-12:40	Oral 5 Lung Cancer	Oral 6 Respiratory Infections (non-tuberculous)			
12-50-12-50	Luncheon Symposium 5	Luncheon Symposium 6		Exhibiton (Hall D2)	Poster
12:50-13:50	Sponsored by sanofi	Sponsored by YUHAN		09:00-17:00	Poster Exhibiti
14:00-15:30	Oral 8 Lung Cancer	Oral 9 Interstitial Lung Disease			ion Day 1
15:30-15:50		Coffee Brea	k		
	Oral 10	Oral 11			
15:50-17:20	COPD	Critical Care Medicine			
17:20 10:20	Evening Symposium 5	Evening Symposium 6	ADGD 1		
17:30-18:30	Sponsored by GSK	Sponsored by Boehringer Ingelheim Korea	APSR Assembly Meetings		
18:30-19:00		-			



Time/Room	Auditorium (3F)	Grand Ballroom 101 (1F)	Grand Ballroom 102 (1F)	Grand Ballroom 103 (1F)	Grand Ballroom 104 (1F)
		Saturday 19 No	ovember 2022		
08:10-09:10	Memorial Lecture 1 Memorial Lecture 2				
	Symposium 17	Symposium 18	Symposium 19	Symposium 20	Oral 12
09:20-10:50	COPD	Tuberculosis	Paediatric Lung Disease	Lung Cancer	Asthma
10:50-11:10			Coffee Break		
	Symposium 21	Symposium 22	Symposium 23	Oral 15	Oral 16
11:10-12:40	Asthma	Clinical Respiratory Medicine	Respiratory Structure and Function	Respiratory Infections (non-tuberculous)	Tuberculosis
		Luncheon Symposium 7	Luncheon Symposium 8	Luncheon Symposium 9	Luncheon Symposium 10
12:50-13:50		Sponsored by KOLON PHARMA	Sponsored by Boehringer Ingelheim Korea	Sponsored by Boryung Co.	Sponsored by AstraZeneca Korea
	Symposium 24	Symposium 25	Symposium 26	Oral 18	Oral 19
14:00-15:30	COPD	Respiratory Infections (non-tuberculous)	Critical Care Medicine	Environmental & Occupational Health and Epidemiology	Tuberculosis
15:30-15:50			Coffee Break		
	Symposium 27	Symposium 28	Symposium 29	Oral 22	
15:50-17:20	Interstitial Lung Disease	Environmental & Occupational Health and Epidemiology	Clinical Allergy & Immunology	Respiratory Infections (non-tuberculous)	Young Investigator Awards 2
		Evening Symposium 7	Evening Symposium 8	Evening Symposium 9	Evening Symposium 10
17:30-18:30		Sponsored by bioMerieux Asia Pacific Pte Ltd	Sponsored by Abbott Korea	Sponsored by GSK	Sponsored by Ildong Pharmaceutical
18:30-19:00					
19:30-21:30					
		Sunday 20 No	vember 2022		
08:10-09:10	Keynote Lecture Invited Lecture				
	ADCD COLD Isin	Symposium 30	Symposium 31	Symposium 32	Oral 25
09:20-10:50	APSR - GOLD Joint Session	Critical Care Medicine	Lung Cancer	Interstitial Lung Disease	Clinical Respiratory Medicine
10:50-11:10	09:20-11:00 Coffee Break				
		Symposium 33	Symposium 34	Symposium 35	Oral 27
11:10-12:40		Asthma	Clinical Respiratory Medicine	COPD	Respiratory Structure and Function
12:50-13:20				Closing Ceremony	

Time/Room	Grand Ballroom 105 (1F)	ASEM Ballroom 202+203 (2F)	206A, 206B, 207, 211 (2F) 300 (3F) / R1, R2 (3F) / R3, R4 (4F), Etc.	Hall D (3F)	Hall D Foyer (3F)
		Saturday 19 N	ovember 2022		
08:10-09:10					
	Oral 13	Oral 14			
09:20-10:50	Pulmonary Circulation	Critical Care Medicine			
10:50-11:10		Coffee Breal	k		
	Oral 17				
11:10-12:40	Lung Cancer	JRS Symposium			
	Luncheon Symposium 11	Luncheon Symposium 12		Exhibiton	P
12:50-13:50	Sponsored by MSD Korea	Sponsored by Novartis		(Hall D2) 09:00-17:00	oster Ex
	Oral 20	Oral 21			hibit
14:00-15:30	Clinical Allergy & Immunology	Respiratory Neurobiology and Sleep			Poster Exhibition Day 2
15:30-15:50		Coffee Break			
	Oral 23	Oral 24			
15:50-17:20	COPD	Bronchoscopy and Interventional Techniques			
	Evening Symposium 11	Evening Symposium 12			
17:30-18:30	Sponsored by sanofi	Sponsored by YUHAN	APSR Assembly Meetings		
18:30-19:00			, and the second se		
19:30-21:30				Gala Dinner (Hall D1)	
		Sunday 20 No	ovember 2022		
08:10-09:10					
09:20-10:50	Oral 26 Paediatric Lung Disease				
10:50-11:10		Coffee Breal	k	Exhibiton (Hall D2)	
11:10-12:40	Oral 28 Respiratory Infections (non-tuberculous)			09:00-12:00	
12:50-13:20					



SCIENTIFIC PROGRAM

SCIENTIFIC PROGRAM

17 November

Pre-congress Workshop 1		09:00-12:00	Grand Ballroom 101+102 (1F)			
Critical Care Medicine						
Chair	Sunghoor	Park (Hallym University	College of Medicine, Republic	of Korea)		
09:00-09:20	PW01-1	Pre-survey & Basic A	pproach of PoCUS in ICU			
09.00-09.20	PWUITI	Young-Jae Cho (Seou	ıl National University College o	of Medicine, Republic of Korea)		
09:20-09:40	PW01-2	Lung US for Respirat	ory Failure			
09.20-09.40	PVVU 1-2	Jinwoo Lee (Seoul National University Hospital, Republic of Korea)				
		POCUS in Pleural Dis	ease			
09:40-10:00	PW01-3	Tai Joon An (Yeouid Republic of Korea)	o St. Mary Hospital, College	e of Medicine, Catholic University of Korea,		
10:00-10:20	PW01-4	POCUS in COVID-19 I	Pneumonia			
10.00-10.20	PVVU 1-4	Sung Yoon Lim (Seou	l National University College o	of Medicine, Republic of Korea)		
10:20-10:40	PW01-5	POCUS in MV Weanir	ng			
10.20-10.40	PWU 1-5	Kyung Soo Chung (Se	everance Hospital, Republic of	FKorea)		
10:40-11:40	PW01-6	Simulation of Variou	s Clinical Cases (Hands-on)			
10.40-11.40	PWUI-0	Young-Jae Cho, Jinw	oo Lee, Tai Joon An, Sung Y	oon Lim, Kyung Soo Chung, Ji-Eun Park		
11:40-12:00	PW01-7	Wrap up & Post Surv	еу			
11.40-12.00	PVVU 1-7	Ji-Eun Park (Ajou Un	iversity School of Medicine	e, Republic of Korea)		

Pre-congress Workshop 2		09:00-12:00	Grand Ballroom 103 (1F)				
Lung Cancer							
Chair	Chair Yoon Soo Chang (Yonsei University College of Medicine, Republic of Korea)						
09:00-09:30	PW02-1	History and Current	Status of National Lung Cance	r Screening Program in Korea			
09.00-09.30	PVVUZ-1	Yeol Kim (National Cancer Center, Republic of Korea)					
00:20 10:00	PW02-2	USPSTF Lung Cancer	Screening				
09:30-10:00	PVVUZ-Z	Patricia Rivera (Unive	iversity of Rochester Medical Center, U.S.A.)				
10:00 10:20	DW(02-2	Optimal Managemen	nt of Pulmonary Nodules				
10:00-10:30	PW02-3	Yeon Wook Kim (Seoul National University, College of Medicine, Republic of Korea)					
10:20 11:00	DW02 4	Blood-Based Biomar	kers				
10:30-11:00	PW02-4	Chaeuk Chung (Chun	gnam National University, College	of Medicine, Republic of Korea)			



Pre-congress Workshop 3		09:00-12:00	Grand Ballroom 104 (1F)			
COPD						
Chair	Yeon-Mok	Oh (University of Ulsan C	College of Medicine, Republic of Korea	a)		
09:00-09:30	PW03-1	Genetics of COPD				
09.00-09.30	PW05-1	Woo Jin Kim (Kangwon National University, Republic of Korea)				
09:30-10:00	PW03-2	What is Early COPD and Why is It Important?				
09.30 10.00	F WU3-Z	Youlim Kim (Konkuk University School of Medicine, Republic of Korea)				
10:00-10:30	PW03-3	Natural History of CO	OPD			
10.00 10.30	F WU3-3	Joo Hun Park (Ajou U	niversity School of Medicine, Republic	c of Korea)		
10:30-11:00	PW03-4	COPD & Microbiome				
10.30-11.00	PW05-4	Se Hee Lee (CHA University, Republic of Korea)				
11:00-11:30	PW03-5	Goals of COPD Treati	ment; Focus on Symptom and Exa	acerbation		
11.00-11.30	PW03-5	Deog Kyeom Kim (Seoul National University College of Medicine, Republic of Korea)				
11:30-12:00	PW03-6	What is COPD Exace Current Definition, P	rbation? Pitfalls, Challenges and Opportuni	ities for Improvement		
		Richard Russell (University of Oxford, United Kingdom)				

Pre-congress Workshop 4			09:00-12:00	Grand Ballroom 105 (1F)				
Tuberculosis	Tuberculosis							
Chair	Chair Seung Heon Lee (Korea University College of Medicine, Republic of Korea)							
09:00-09:30	PW04-1	Global Diagnostic Ga	p in TB					
09.00 09.50	F VV 04-1	Neil Schluger (Tubero	culosis Control Branch, California De _l	partment of Public Health, U.S.A.)				
09:30-10:00	PW04-2	Rapid Molecular Diag	gnosis of TB and Drug Resistance	e				
09.30-10.00	F VV 04-2	Chang Ki Kim (Seoul Clinical Laboratories, Republic of Korea)						
10:00-10:30	PW04-3	The Role of WGS/NGS in TB Diagnosis and Transmission						
10.00-10.50	PVVU4-3	Jann-Yuan Wang (Na	tional Taiwan University, Taiwan)					
10:20 11:00	PW04-4	The Role of Chest Im	age and Advances in TB Diagnos	sis				
10:30-11:00	PVVU4-4	Soon Ho Yoon (Seoul National University College of Medicine, Republic of Korea)						
11:00 11:20	DWO/ F	Non-Sputum Based	Diagnosis of TB					
11:00-11:30	PW04-5	Satoshi Mitarai and S	Seiya Kato (The Research Institute of Tuberculosis, Japan)					
11:30-12:00	DW04-6	Diagnostic Challenge	e in Pediatric TB (including LTBI)					
11.50-12.00	PW04-6 Byeong Wook E		Nowon Euji Medical Center, Republic of Korea)					

Pre-congress Workshop 5			14:00-17:00	Grand Ballroom 101 +102 (1F)		
Bronchoscopy and Interventional Techniques (Hands on Session)						
Chair	Young Sik Park (Seoul National University College of Medicine, Republic of Korea)					
	PW05-1	Bronchial Branch Tracing First step for RP-EBUS procedures				
	PWU5-1	Jung Seop Eom (Pusan National University Hospital, Republic of Korea)				
17:00 17:00	DWOE 2	How to perform TBLB using radial probe EBUS				
14:00-17:00	PW05-2	June Hong Ahn (Yeun	ngnam University Medical Cente	er, Republic of Korea)		
		Hands on Practice				
	PW05-3	Seung Hyun Yong (Yonsei University College of Medicine, Republic of Korea)				

Pre-congress Workshop 6		14:00-17:00	Grand Ballroom 103(1F)				
Pulmonary Circ	Pulmonary Circulation						
Chairs	Chairs Yee Hyung Kim (Kyung Hee University School of Medicine, Republic of Korea) Hun-Gyu Hwang (Soonchunhyang University Gumi's Hospital, Republic of Korea)						
1 /- 00_1 /- 20	PW06-1	Natural History and F	Pathophysiology of VTE				
14:00-14:30	PW00-1	Jung-Wan Yoo (Gyeor	Jung-Wan Yoo (Gyeongsang National University Hospital, Republic of Korea)				
14:30-15:00	PW06-2	Diagnosis and Manag	gement Algorithm for Acute PE				
14.30-15.00	PVVU6-2	Talant Sooronbaev (National Center of Cardiology and Internal Medicine, Kyrgyzstan)					
15:00-15:30	PW06-3	Practical Guidance fo	or Anticoagulation in the Treatmo	ent of VTE			
15.00-15.50	PW00-3	Hang Jea Jang (Inje University Haeundae Paik Hospital, Republic of Korea)					
15:20 16:00	PW06-4	Evolution of PAH and	СТЕРН				
15:30-16:00	PWU0-4	Nick Kim (Critical Care	Nick Kim (Critical Care & Sleep Medicine, University of California San Diego, U.S.A.)				
16:00 16:20	DWO6 F	Pulmonary Hyperten	sion in Chronic Lung Disease				
16:00-16:30	PW06-5	Jae Seung Lee (University of Ulsan College of Medicine, Republic of Korea)					
16:20 17:00	DW06 6	Pulmonary Arteriove	enous Malformation				
16:30-17:00	PW06-6	Won-Young Kim (Chu	ng-Ang University Hospital, Republi	c of Korea)			



Pre-congress Workshop 7 14:00-17:00 Grand Ballroom 104(1F) Asthma **Ji-yong Moon** (Hanyang University College of Medicine, Republic of Korea) Chair Biomarkers of Asthma PW07-1 14:00-14:30 **So Ri Kim** (Chonbuk National University Medical School, Republic of Korea) Immunotherapy in Allergic Asthma 14:30-15:00 PW07-2 **Ga-Young Ban** (Hallym University College of Medicine, Republic of Korea) Microbiome in Asthma 15:00-15:30 PW07-3 **Kyoung-Hee Sohn** (Kyung Hee University School of Medicine, Republic of Korea) Asthma-COPD Overlap 15:30-16:00 PW07-4 **Hye Jung Park** (Gangnam Severance Hospital, Republic of Korea) Biologic Therapy in Severe Asthma PW07-5 16:00-16:30 **Joo-Hee Kim** (Hallym University College of Medicine, Republic of Korea) Treatment Beyond Biologics in Severe Asthma 16:30-17:00 PW07-6 **Woo-Jung Song** (University of Ulsan College of Medicine, Republic of Korea)

Pre-congres	Pre-congress Workshop 8		14:00-17:00	Grand Ballroom 105(1F)	
Interstitial Lun	Interstitial Lung Disease				
Chair	Jong Sun	Park (Seoul National Univ	versity College of Medicine, Republi	ic of Korea)	
14:00-14:30	PW08-1	How to Approach to	Patients with ILD?		
14.00-14.30	F VV UO- 1	Byoungsoo Kwon (Se	oul National University College of N	Medicine, Republic of Korea)	
14:30-15:00	PW08-2	Key HRCT Findings in	ILDs for Pulmonologist		
14.30-15.00	F VV UO-Z	Jung Hwa Hwang (So	onchunhyang University College of	f Medicine, Republic of Korea)	
15:00-15:30	PW08-3	Update of IPF: Diagn	osis and Management		
15.00-15.30	PWU0-3	Jae Ha Lee (Inje Unive	rsity College of Medicine, Republic	of Korea)	
15:30-16:00	PW08-4	New Concept of Prog	ressive Pulmonary Fibrosis: De	finition and Management	
15.30-16.00	PWU0-4	Won-II Choi (Myongji I	Hospital, Republic of Korea)		
16:00-16:30	PW08-5	Update of Hypersens	sitivity Pneumonitis		
10.00-10.30	PWU0-5	Hongseok Yoo (Sungl	kyunkwan University School of Med	dicine, Republic of Korea)	
16:20 17:00	DW/00-6	Treatment Strategies	s for CTD Associated ILD		
16:30-17:00	PW08-6	Hye Sook Choi (Kyung	Hee University School of Medicine	e, Republic of Korea)	

				18 November
Presidential	Lecture		08:10-09:10	Auditorium (3F
Chairs			lospital Organization, Japan) lege of Medicine, Republic of Ko	rea)
00:40 00:70	DI O4 4	Management of Prog	ressive Fibrotic ILD	
08:10-08:40	PL01-1	Carlos Robalo Cordei	ro (University of Coimbra, Portu	gal)
08:40-09:10	PL01-2	Lung Cancer - Highlights on the Jo	ourney from Screening and E	arly Detection Through to Management
		David CL Lam (The Un	iversity of Hong Kong, Hong Ko	ng)
Symposium	1		09:20-10:50	Auditorium (3F)
COPD - Meet th	e Professor: I	Bronchoscopic Treatment	of Emphysema	
Chair	Chin Kook	Rhee (The Catholic Unive	ersity of Korea College of Medici	ne, Republic of Korea)
00:00 40:50	504.4	The Art of Endobrono	chial Valve Insertion	
09:20-10:50	S01-1	Karin Klooster (Univer	rsity Medical Center Groningen,	Kingdom of the Netherlands)
Symposium	2		09:20-10:50	Grand Ballroom 101 (1F)
Tuberculosis -	Where Are W	e for TB Management?		
Chairs		uang (Chung Shan Medica Yim (Seoul National Unive	al University, Taiwan) rsity College of Medicine, Repub	lic of Korea)
09:20-09:50	S02-1	Changing Epidemiolo	ogy of TB in Asia (in the Era of	COVID-19)
U9.ZU-U9.DU	502-1	Kyung Hyun Oh (Worl	d Health Organization Regional	Office for the Western Pacific, Philippines)
09:50-10:20	S02-2	Recent Concept of La	tent TB Infection and Its Clin	ical Implication
03.30 10.20	S02-2	Jann-Yuan Wang (Nat	tional Taiwan University, Taiwan)	

Symposium 3		09:20-10:50	Grand Ballroom 102 (1F)		
Critical Care Me	Critical Care Medicine - What's New in ARDS Management?				
Chairs			rans General Hospital, Taiwan) nonology and Critical Care Medicine,	, Samsung Medical Center, Republic of Korea)	
09:20-09:50	S03-1	VILI and p-SILI			
09.20 09.30	303-1	Ming-Cheng Chan (Taichung Veterans General Hospital, Taiwan)			
09:50-10:20	S03-2	EIT Monitoring in AR	DS		
09.50-10.20	505-2	Atsuko Shono (Showa University School of Medicine, Japan)			
10:20 10:50	CO2 2	When and How to Ap	pply VV ECMO		
10:20-10:50	S03-3	Chi Ryang Chung (Sa	msung Medical Center, Republic o	f Korea)	

Neil Schluger (Tuberculosis Control Branch, California Department of Public Health, U.S.A.)

Role of New Drugs for TB Control

10:20-10:50

S02-3



Symposium	4		09:20-10:50	Grand Ballroom 103 (1F)	
Lung Cancer -	Meet the Pro	fessor			
Chair	Sita Anda	rini (University of Indones	sia, Persahabatan Hospital, Indone	esia)	
00.00.10.50		Natural history, diag	nosis and treatment of driver	mutations	
09:20-10:50 S04-1		Kwun Fong (The Univ	ersity of Queensland, Australia)		
Symposium	5		11:10-12:40	Auditorium (3F)	
Asthma - ISAR	in Asia Pacific				
Chairs			ns General Hospital, Taiwan) School of Medicine, Republic of Ko	orea)	
11.10 11.70	COE 1	Current ISAR State i	n Korea		
11:10-11:40	S05-1	Kwang Ha Yoo (Konki	uk University School of Medicine, F	Republic of Korea)	
11:40-12:10	S05-2	Current ISAR State i	n Taiwan		
11.40 12.10	303 2	Diahn-Warng Perng	(Taipei Veterans General Hospital,	, Taiwan)	
12:10-12:40	0-12:40 S05-3	Current ISAR State i	n the World		
12.10 12.40	303 3	Ruth Murray (Director Medscript Ltd NZ & Research Fellow, OPC, New Zealand)			
Symposium	6		11:10-12:40	Grand Ballroom 101 (1F)	
Symposium				Grand Ballroom TOT (TF)	
Bronchoscopy	and Interve	ntional Techniques - Bro	nchoscopy; Present and Future		
Chairs			and Women's Hospital, Australia) ersity School of Medicine, Republi	c of Korea)	
11:10-11:40	S06-1	Rigid Bronchoscopy	for Benign and Malignant Dise	ases	
11.10 11.40	300 1	Hojoong Kim (Sungky	vunkwan University School of Med	dicine, Republic of Korea)	
11:40-12:10	506-2	EBUS-TBNA for Lung	Cancer Staging: An Update		
11.40 12.10	300 2	Bin Hwangbo (Nation	al Cancer Center, Republic of Kore	ea)	
12:10-12:40	S06-3	Advanced Bronchos	copy for the Peripheral Lesions	5	
,2,10 12,40	300 3	Fumihiro Asano (Gifu	Prefectural General Medical Cent	rer, Japan)	
Symposium	7		11:10-12:40	Grand Ballroom 102 (1F)	
Pulmonary Cir	culation - CO	VID-19 and Pulmonary C	irculation		
Chairs			er of Cardiology and Internal Medio ersity College of Medicine, Republ		
11:10-11:40	S07-1	COVID-19 Associated Coagulopathy			
11.10-11.40	307-1	Hun-Gyu Hwang (Soonchunhyang University Gumi's Hospital, Republic of Korea)			
11:40-12:10	S07-2	Prevention and Ther	apeutic Strategies for VTE in P	Patients with COVID-19	
11.40 12.10	307-2	Nick Kim (Critical Care	& Sleep Medicine, University of C	alifornia San Diego, U.S.A.)	
12:10-12:40	S07-3		onary Circulation among COVIE Pulmonary Edema) and ARDS	D-19,	
		Talant Sooronbaev (National Center of Cardiology and	Internal Medicine, Kyrgyzstan)	

Symposium 8		11:10-12:40	Grand Ballroom 103 (1F)		
Interstitial Lung Disease - Hot and Current Topics in ILD					
Chairs Takashi Ogura (Kanagawa Cardiovascular and Respiratory Center, Japan) Yangjin Jegal (University of Ulsan College of Medicine, Republic of Korea)					
11:10-11:40	S08-1	Health Effect of Air P	Pollution in ILD		
11.10-11.40	300-1	Sun-Young Kim (Natio	onal Cancer Center, Republic of Ko	orea)	
11./0 12.10	CO0 2	The Impact of COVID	-19 on Patients with Underlyin	g Interstitial Lung Disease (ILD)	
11:40-12:10	S08-2	Takashi Ogura (Kanag	gawa Cardiovascular and Respirato	ory Center, Japan)	
10:10 10:70	500.3	Progressive Pulmonary Fibrosis: Where are We Now?		w?	
12:10-12:40	S08-3	Jin Woo Song (Univer	sity of Ulsan College of Medicine, F	Republic of Korea)	

Symposium	Symposium 9		14:00-15:30	Auditorium (3F)
Clinical Respira	tory Medicii	ne - with COVID-19		
Chairs Ki-Suck Jung (Hallym University College of Medicine, Republic of Korea) Jae Yeol Kim (Chung-Ang University College of Medicine, Republic of Korea)				
14:00-14:30	S09-1	Post-Covid Sequalae		
14.00-14.30	209-1	Eun Young Heo (Seoul National University College of Medicine, Republic of Korea)		
14:30-15:00	S09-2	COVID-19 and Lung 1	fibrosis	
14.30-13.00	509-2	Hee-Young Yoon (Soo	onchunhyang University College of Med	licine, Republic of Korea)
15:00 15:20	C00.3	Covid & Airway Diseases		
15:00-15:30	S09-3	Seok Jeong Lee (Yons	sei University Wonju College of Medicine	e, Republic of Korea)

Symposium 10		14:00-15:30	Grand Ballroom 101 (1F)		
Environmental	Environmental & Occupational Health and Epidemiology - Climate Change and Respiratory Diseases				
Chairs Yuming Guo (School of Public Health and Preventive Medicine, Monash University, Australia) HyoungKyu Yoon (The Catholic University of Korea College of Medicine, Republic of Korea)					
14:00-14:30	S10-1	Global Trends in Clim	ate Change		
14.00-14.30	310-1	Ho Kim (Graduate Sch	ool of Public Health, Seoul Natior	nal University, Republic of Korea)	
17:20 15:00	C10.2	Role of Climate Chan	ge and Viral Infection on Seas	sonality of Mortality	
14:30-15:00	S10-2 Lina Madaniyazi (Na		asaki University, Japan)		
15:00 15:20	S10-3	Asia-Pacific Aspect o	of Climate Change		
15:00-15:30		Yuming Guo (School o	of Public Health and Preventive M	1edicine, Monash University, Australia)	



Symposium 11			14:00-15:30	Grand Ballroom 102 (1F)
Respiratory Neurobiology and Sleep - Personalised Approach to Treatment of Sleep Apnea				
Chair	Chol Shin	(Korea University College	of Medicine, Republic of Korea)	
17:00 17:20	C11 1	Treatment strategie	s for asymptomatic OSA	
14:00-14:30	S11-1	Sei Won Kim (The Cat	tholic University of Korea College	e of Medicine, Republic of Korea)
17,20 15,00	C44.2	Current Practice and Future Directions in Sleep Apnea Treatment		
14:30-15:00	S11-2	Motoo Yamauchi (Nara Medical University, Japan)		
15:00 15:20	S11-3	Is the Apnea-Hypopr And What Else?	nea Index Sufficient to Predic	t the Severity of Sleep Apnea?
15:00-15:30	511-3	Sang Haak Lee (Eunpyeong St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Republic of Korea)		

Symposium 12			14:00-15:30	Grand Ballroom 103 (1F)
Respiratory Info	ections (non	-tuberculous) - Frontier	rs in Respiratory Infection	
Chairs			University Hospital, National Taiwa College of Medicine, Republic of Ko	ran University College of Medicine, Taiwan) orea)
		Effect of Al-Chest PA	A Diagnosis on Emergency Phy	ysicians
14:00-14:30	S12-1	Won Chul Cha (Samsung Medical Cer	nter, Sungkyunkwan University Sc	chool of Medicine, Republic of Korea)
		The Role of Multiple	PCR on the Management of \	Ventilator Associated Pneumonia?
14:30-15:00	S12-2	Jung-Yien Chien (National Taiwan Unive	ersity Hospital, National Taiwan Ur	niversity College of Medicine, Taiwan)
15:00-15:30	540.0	Phages and Endolysi	ins as Novel Antibacterials	
15.00-15.30	S12-3	Hee Joon Myung (Lys	sentech, Republic of Korea)	

Symposium 13			15:50-17:10	Auditorium (3F)
Asthma - Pro/0	Con: As Neede	ed ICS-Formoterol in Step	2 Treatment of Asthma	
Chair	Yeon-Mok	Yeon-Mok Oh (University of Ulsan College of Medicine, Republic of Korea)		
15:50-15:55	Introducti	luction & Voting		
15:55-16:15	S13-1	Pro: As Needed ICS-	Formoterol in Step 2 Treatment of As	sthma
13.33-10.13	515-1	Phuong Phan Thu (Bach Mai Hospital, Viet Nam)		
16:15 16:25	S13-2	Con: As Needed ICS-	Formoterol in Step 2 Treatment of A	sthma
16:15-16:35	515-2	Mi-Ae Kim (CHA Unive	ersity, Republic of Korea)	
16:35-16:50	Comment			
16:50-17:05	Q&A			
17:05-17:10	Voting & 0	Closing		

Symposium 14		15:50-17:20	Grand Ballroom 101 (1F)		
Cell and Molecular Biology - New Potential Therapeutics in Respiratory Diseases: From Bench to Clinic					
Chairs Gregory P. Downey (University of Colorado School of Medicine, U.S.A.) Chul-Gyu Yoo (Seoul National University College of Medicine, Republic of Korea)					
15:50-16:20	S14-1	Mitochondrial Regulation of Innate Immune Signaling and Pulmonary Diseases			
15.50-16.20	514-1	Min-Jong Kang (Yale University, U.S.A.)			
16:20 16:50	Immune Mechanisn		s Driving Pulmonary and Syste	mic Inflammation in COVID-19	
16:20-16:50	S14-2	Gregory P. Downey (University of Colorado School of Medicine, U.S.A.)			
16.50 17.00	64/ 2	When Bronchoscopy	Meet Cancer Immunotherapy:	Photoimmunotherapy in Lung Cancer	
16:50-17:20	S14-3 Kazuhide Sato (Nago		ya University, Japan)		

Symposium 15		15:50-17:20	Grand Ballroom 102 (1F)	
Lung Cancer -	Recent Updat	ed Immunotherapy		
Chairs			ester Medical Center, U.S.A.) sity School of Medicine, Republi	c of Korea)
15:50-16:20	S15-1	Immunotherapy Related Pneumonitis		
13.30-10.20	315-1	Patricia Rivera (University of Rochester Medical Center, U.S.A.)		
16:20-16:50 \$15-2		Integration of Radiot A Radiation Oncolog		y for Non-Small Cell Lung Cancer:
		Sungjune Kim (H. Lee	Moffitt Cancer Center, U.S.A.)	
10.50 17.00	S15-3	The Role of Immune	Checkpoint Inhibitors in Sma	ll Cell Lung Cancer
16:50-17:20	3 13-3	In-Jae Oh (Chonnam N	National University, Republic of F	Korea)

Symposium 16			15:50-17:10	Grand Ballroom 103 (1F)
Interstitial Lun	Interstitial Lung Disease – Pro/Con: Controversy in Corticosteroid Pulse Therapy for the Treatment of AE of IPF			
Chair	Chair Sung-Woo Park (Soonchunhyang University College of Medicine, Republic of Korea)			
15:50-15:55	Introduction & Voting			
15:55-16:15	S16-1	Pro: Corticosteroid Pu	lse Therapy Should be Included	in Treatment of Acute Exacerbation of IPF
15.55-16.15		Yasuhiro Kondoh (To:	sei General Hospital, Japan)	
16:15-16:35	S16-2	Con: Corticosteroid P	ulse Therapy is Not Necessary	in Treatment of Acute Exacerbation of IPF
10.15-10.55		Moo Suk Park (Yonse	i University College of Medicine,	Republic of Korea)
16:35-16:50	Comment			
16:50-17:05	Q&A			
17:05-17:10	Voting & Closing			



Luncheon Symposium 1

12:50-13:50

Grand Ballroom 101 (1F)

Sponsored by DAEWON Pharmaceutical Co., Ltd.

Acute Bronchitis			
Chair	Jae Jeong Shim (Korea University College of Medicine, Republic of Korea)		
12:50-13:50	0 LS01-1	Clinical Value and Advantages of New Antitussive	
12.50-15.50		Seong Yong Lim (Sungkyunkwan University School of Medicine, Republic of Korea)	

Luncheon Symposium 2

12:50-13:50

Grand Ballroom 102 (1F)

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IPF - Evidence-	-Based Appro	oach in Early Treatment for IPF
Chair Man Pyo Chung (Sungkyunkwan University School of Medicine, Republic of Korea)		
12:50-12:55	Welcome & Introduction	
12:55-13:25	LS02-1	Clinical Course of IPF & Evidence Based Approach in Early Treatment for IPF with RWE Patient Cases
		Martin Kolb (McMaster University, Canada)
13:25-13:45	Discussion	 Man Pyo Chung (Sungkyunkwan University School of Medicine, Republic of Korea) Amornpun Wonqkarnjana (King Chualongkorn Memorial Hospital, Thailand) Martin Kolb (McMaster University, Canada)
13:45-13:50	Summary & Conclusion	

Luncheon Symposium 3

12:50-13:50

Grand Ballroom 103 (1F)

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COPD			
Chair	Gregory King (Royal North Shore Hospital, Australia)		
40,50 40,45	LS03-1	Importance of Maximal Bronchodilation from the Start	
12:50-13:15		Hye Yun Park (Sungkyunkwan University School of Medicine, Republic of Korea)	
13:15-13:40	LS03-2	The Real World Evidence of Single Inhaler Triple Therapy	
13.15-13.40		Gregory King (Royal North Shore Hospital, Australia)	
13:40-13:50	Q&A		

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COPD			
Chair	Kwang Ha Yoo (Konkuk University School of Medicine, Republic of Korea)		
12,50 12,50	1004.1	Management Strategies to Reduce the Clinical Burden of COPD	
12:50-13:50 LS04-1		Mona Bafadhel (King's College London, United Kingdom)	

Luncheon Symposium 5

12:50-13:50

Grand Ballroom 105 (1F)

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Asthma			
Chair	HyoungKyu Yoon (The Catholic University of Korea College of Medicine, Republic of Korea)		
12:50-13:50	LS05-1	Evolution in the Management of Severe Asthma	
12.30313.50		Chin Kook Rhee (The Catholic University of Korea College of Medicine, Republic of Korea)	

Luncheon Symposium 6	12:50-13:50	ASEM Ballroom 202+203 (2F)
Edition Symposium o	12.50 15.50	A3E14 Dalli 00111 202 1203 (2

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Cancer			
Chair	Jae Cheol Lee (University of Ulsan College of Medicine, Republic of Korea)		
12:50- 13:50	LS06-1	New Era of NSCLC EGFR Mutation Treatment Updated Overall Survival Analysis: 3G EGFR TKI Lazertinib	
		Sung Yong Lee (Korea University College of Medicine, Republic of Korea)	



	Evening Symposium 1			17:30-18:30	Grand Ballroom 101 (1F)
	Sponsored by OLYMPUS KOREA CO., LTD				
	Bronchoscopy	and Interver	ntional Techniques		
	Chair	Bin Hwangbo (National Cancer Center, Republic of Korea)			
	17:30-18:30	ES01-1	Clinical Tips for Trans	sbronchial Biopsy Using Radi	al Probe EBUS
			Jung Seop Eom (Pusa	an National University Hospital, F	Republic of Korea)

Evening Symposium 2	17:30-18:30	Grand Ballroom 102 (1F)
	4	

Sponsored by Thermo Fisher Scientific Korea

Procalcitonin			
Chair	Gee Young Suh (Department of Pulmonology and Critical Care Medicine, Samsung Medical Center, Republic of Korea)		
17:30-18:30	ES02-1	Procalcitonin Usefulness to Monitor ABx for Pneumonia Patients	
17.30-10.30		Stefano Aliberti (University of Millan, Italy)	

Evening Syn	nposium 3		17:30-18:30	Grand Ballroom 103 (1F)			
Sponsored by Boryung Co.							
Carbapenem Sparing							
Chair Sang Bum Hong (University of Ulsan College of Medicine, Republic of Korea)							
17:30-18:30	EC02_1	HAP & VAP: Importa	nce of Carbapenem-sparing	Strategy			
17.30-16.30		Bong Young Kim (Har	nyang University Hospital, Repu	blic of Korea)			

Evening Symposium 4	17:30-18:30	Grand Ballroom 104 (1F)

Sponsored by GSK

Severe Asthma					
Chair	Yeon-Mok Oh (University of Ulsan College of Medicine, Republic of Korea)				
17:30-17:55	ES04-1	The Clinical Development of Mepolizumab in Severe Asthma: The First Treatment Targeting a Specific Treatable Trait			
		lan Pavord (University of Oxford, United Kingdom)			
17.55 10.00	ES04-02	The Clinical Benefits of Mepolizumab for Severe Eosinophilic Asthma in Real-World Study			
17:55-18:20		Gregory King (Royal North Shore Hospital, Australia)			
18:20-18:30	Q&A				

			_	
Evening Symposium 5			17:30-18:30	Grand Ballroom 105 (1F)
Sponsored by 0	GSK			
Infectious Dise				
Chair	Chair Eunjo Choo (Soonchunhyang University Hospital Bucheon, Republic of Korea)			
17:20_10:20	O-18:30 ES05-1	Shingles Vaccine in 0	COPD, Asthma Patient (Infe	ctious Diseases)
17.30-16.30		Sunghee Park (Soone	chunhyang University Hospital	Bucheon, Republic of Korea)

Evening Symposium 6 17:30-18:30 ASEM Ballroom 202 + 203 (

Sponsored by Boehringer Ingelheim Korea

COPD - Current Pharmacological Approaches in COPD				
Chair	Yong Bum Park (Hallym University College of Medicine, Republic of Korea)			
17:30-17:35	Opening			
17:35-17:50	ES06-1	Current Therapeutic Approaches in COPD		
17.35-17.50		Youlim Kim (Konkuk University School of Medicine, Republic of Korea)		
17:50-18:05	ES06-2	Device Selection for COPD		
17.50-10.05		James Chalmers (University of Dundee, United Kingdom)		
10:05 10:20	ES06-3	"Keep the Balance" in ICS Containing Regimens		
18:05-18:20		James Chalmers (University of Dundee, United Kingdom)		
18:20-18:30	Q&A			



19 November

oung Investigator Awards 1 15:50-17:20 Grand Ballroom 104 (18)		Grand Ballroom 104 (1F)	Memorial	Lecture		08:10-09:10	Auditoriu		
Chair	air Albert Yick-Hou Lim (Tan Tock Seng Hospital, Singapore)			Chairs Carlos Robalo Cordeiro (University of Coimbra, Portugal) Jae Jeong Shim (Korea University College of Medicine, Republic of Kor					
		The Role of Airway Epithelia in Sarcoidosis				[Michiyoshi Harasav	_		
0-15:58	YIA-1-1	_	(U.S.A.)*, Miles Hagner, Brandon Be	ttis, Huiyu Gong, Andrew Thurman,	08:10-08:40	PL02-1	Chronic lung diseases: COPD and bronchiectasis		
		Nabeel Hamzeh					Chong-Jen Yu (Nation	nal Taiwan University College of Medicir	ne, Taiwan)
	YIA-1-2		Sphingosine-1-Phosphate Recep Induced Pulmonary Fibrosis	otor 1 (S1PR1)	00:70 00:10		[Ann Janet Woolcock] Why Improve the Management of Chronic Cough in Children Through Clinical Care		
3-16:06		Rachel S, Knipe (U.S	.A.)*, Patricia L. Brazee, Clemens K. F	robst, Jason Griffith, Lida Hariri,	08:40-09:10	08:40-09:10 PL02-2	Research?		
		Timothy Hla, Benjamir					Anne Chang (Menzie:	s School of Health Research, Queenslar	nd University of Technology, Au
5-16:14	YIA-1-3		n hand grip strength and peak in ructive pulmonary disease	spiratory flow rate in patients with					

Symposium 17			09:20-10:50	Auditorium (3F)			
COPD - Microbio	COPD - Microbiome/Infection						
Chairs	Chairs Richard Russell (University of Oxford, United Kingdom) Sang-Do Lee (University of Ulsan College of Medicine, Republic of Korea)						
09:20-09:50	S17-1	Up-To-Date Research	n of Microbiome in COPD and Clinical Imp	plication			
09.20-09.50	31/-1	Don Sin (University of	British Columbia, St. Paul Hospital, Canada)				
09:50-10:20	C17_2	Who Needs ICS in CO	PD				
09.50-10.20	S17-2 Richard Ru	Richard Russell (Unive	ersity of Oxford, United Kingdom)				
10:20-10:50	S17-3	BCO (Bronchiectasis	COPD Overlap): Severe Phenotype or Sir	mple Comorbidity?			
10.20-10.50	31/-3	Ji Ye Jung (Yonsei Univ	versity College of Medicine, Republic of Kore	a)			

Symposium 18		09:20-10:50	Grand Ballroom 101 (1F)				
Tuberculosis - Towards TB Elimination Post-Pandemic Era in APSR Members' Countries							
Chairs Jennifer Ann Wi (Dagupan Doctors Villaflor Memorial Hospital, Philippines) Tae Sun Shim (University of Ulsan College of Medicine, Republic of Korea)							
C10_1	Experience Sharing f	rom High Burden Country: Cha	llenges and Strategies				
310-1	Erlina Burhan (Univers	sitas Indonesia, Indonesia)					
C10_2	Lessons Learned from	m Intermediate Burden Countri	ies: Success Story of Each Country 1				
·10:20 S18-2	Seiya Kato (The Resea	arch Institute of Tuberculosis, Japa	n)				
540.0	Lessons Learned from	n Intermediate Burden Countri	es: Success Story of Each Country 2				
5 18-3	Hee Jin Kim (Korean N	lational Tuberculosis Association, F	Republic of Korea)				
	Towards TB E Jennifer A	Jennifer Ann Wi (Dagupan Doctors Tae Sun Shim (University of Ulsan C S18-1 Experience Sharing f Erlina Burhan (University of Ulsan C Lessons Learned from Seiya Kato (The Reseat Lessons Learned from Lessons Learned fr	Jennifer Ann Wi (Dagupan Doctors Villaflor Memorial Hospital, Philipp Tae Sun Shim (University of Ulsan College of Medicine, Republic of Kon S18-1 Experience Sharing from High Burden Country: Cha Erlina Burhan (Universitas Indonesia, Indonesia) Lessons Learned from Intermediate Burden Country Seiya Kato (The Research Institute of Tuberculosis, Japa Lessons Learned from Intermediate Burden Countri				

Young inves	tigator Aw	ards 1	15:50-17:20	Grand Ballroom 104 (
Chair	Albert Yic	k-Hou Lim (Tan Tock Ser	ng Hospital, Singapore)				
		The Role of Airway Epithelia in Sarcoidosis					
15:50-15:58	YIA-1-1	Alejandro A Pezzulo Nabeel Hamzeh	(U.S.A.)*, Miles Hagner, Brandon Be	ttis, Huiyu Gong, Andrew Thurman,			
15.50 16.06	YIA-1-2		phingosine-1-Phosphate Rece nduced Pulmonary Fibrosis	ptor 1 (S1PR1)			
15:58-16:06	YIA- 1-2	Rachel S. Knipe (U.S.A Timothy Hla, Benjamin	A.)*, Patricia L. Brazee, Clemens K. F D. Medoff	Probst, Jason Griffith, Lida Hariri,			
16:06-16:14	YIA-1-3		hand grip strength and peak in uctive pulmonary disease	spiratory flow rate in patients with			
		Apisara Suriyakul (Th	nailand)*, Narongkorn Saiphoklang,	Igor Barjaktarevic, Christopher Coope			
16:14-16:22	YIA-1-4	Prevalence, Characto Obstructive Pulmona		on in Young patients with Chronic			
10.14-10.22	11A-1-4	Yong Suk Jo (Republic Ki-Suck Jung, Yong-Bu	c of Korea)*, Kyung Joo Kim, Chin K m Park	ook Rhee, Kwang Ha Yoo,			
		A Relationship between Female Sex Hormones, Cellular Metabolism, and Ast		ular Metabolism, and Asthma			
16:22-16:30	YIA-1-5	Olivia Carrol (Australia)*, Alexandra Brown, Jemma Mayall, Henry Gomez, Richard Kim, Chantal Donovan, Evan Williams, Bronwyn Berthon, James Pinkerton, Philip Hansbro, Paul Foster, Katie Wynne, Hayley Scott, Lisa Wood, Jay Horvat					
	YIA-1-6	Distinct impacts of conjugate pulmonary function	entrilobular vs. paraseptal emp in COPD	hysema on annual decline in			
16:30-16:38		Tsuyoshi Oguma, Atsu	an)*, Naoya Tanabe, Kaoruko, Shin yasu Sato, Masaru Suzuki, Hironi M Susumu Sato, Satoshi Konno, Toyol	lakita, Shigeo Muro,			
16:38-16:46	YIA-1-7	Genome-wide associ	ation study in patients with pul	monary Mycobacterium avium			
		Ho Namkoong (Japan)*				
			Bronchiectasis (NCFB) is a Brond Nucus Hyperproduction	chiolectatic Disease Characterized			
16:46-16:54	YIA-1-8	Yu Mikami, Rodney Gilr	akura (United States of America)*, Kenichi Okuda, Gang Chen, Takafumi Kato, Idney Gilmore, Selene Margarita Barbosa Cardenas, Michael Chua, Yohei Masugi, e, Carla Maria Pedrosa Ribeiro, Kenneth Olivier, Naoki Hasegawa, Scott Randell, I, Richard Boucher				
		The lung microbiota	in nontuberculous mycobacter	ial pulmonary disease			
16:54-17:02	YIA-1-9	Bo-Guen Kim (Republic of Korea)*, Noeul Kang, Su-Young Kim, Dae Hun Kim, Hojoong Kim, O Jung Kwon, Hee Jae Huh, Nam Yong Lee, Jhingook Kim, Byung Woo Jhun					
17:02-17:10	YIA-1-10		Adenosine Deaminase in Differo udative Pleural Effusions	entiating Tuberculous and			
17.02 17.10	YIA-1-10	Boon Hau Ng (Malays Mohamed Faisal Abdul	ia)*, Hsueh Jing Low, Andrea Yu-Lir Hamid	n Ban, Nik Nuratiqah Nik Abeed,			
17:10-17:18	YIA-1-11	Risk factors associat interstitial pneumon		patients with idiopathic nonspecifi			



Symposium 19			09:20-10:50	Grand Ballroom 102 (1F)	
Paediatric Lung	g Disease - R	are but Becoming Preval	ent Pediatric Chronic Lung Disea	ase	
Chairs Anne Goh Eng Neo (KK Women's and Children's Hospital, Singapore) Soo-Jong Hong (University of Ulsan College of Medicine, Republic of Korea)					
00:20 00:50	C10 1	What Should We Foo	cus on Managing Children with	Non-CF Bronchiectasis?	
09:20-09:50	S19-1 Anne Goh Eng Neo (K		KK Women's and Children's Hosp	ital, Singapore)	
09:50-10:20	C10.2	Measures to Prevent	t Bronchopulmonay Dysplasia	in Premature Neonates	
09.50-10.20	S19-2 Tsu F. Y	Tsu F. Yeh (Taipei Med	dical University, Taiwan)		
10:20 10:50	S19-3	Still Ongoing Issues	of Pediatric Humidifier Disinfe	ctant-Related Lung Injury	
10:20-10:50		Soo-Jong Hong (Univ	ersity of Ulsan College of Medicin	ne, Republic of Korea)	

Symposium 20			09:20-10:40	Grand Ballroom 103 (1F)				
Lung Cancer -	Lung Cancer - Pro/Con: Sequential Treatment for Advanced EGFR M(+) NSCLC							
Chair	Kwun For	g (The University of Quee	ensland, Australia)					
09:20-09:25	Introduct	roduction & Voting						
09:25-09:45	S20-1	Pro: Sequential Trea	tment for Advanced EGFR M(+)) NSCLC				
09.25-09.45		Jeong Eun Lee (Chun	gnam National University School o	of Medicine, Republic of Korea)				
09:45-10:05	S20-2	Con: Sequential Trea	atment for Advanced EGFR M(+	-) NSCLC				
09.45-10.05	320-2	Diana Yuwung Yeh (S	School of Medicine, Fu Jen Catholic	: University, Taiwan)				
10:05-10:20	Comment							
10:20-10:35	Q&A							
10:35-10:40	Voting & Closing							

Symposium 21			11:10-12:40	Auditorium (3F)
Asthma - Meet the Professor				
Chair	Yong Chul Lee (Chonbuk National University Medical School, Republic of Korea)			blic of Korea)
11:10-12:40	S21-1	Management of T2-L	ow Asthma	
11.10-12.40	521-1	Parameswaran Nair (McMaster University, Canada)	

Symposium 22			11:10-12:40	Grand Ballroom 101 (1F	
Clinical Respiratory Medicine - Lung Aging and Chronic Lung Diseases					
Chairs	Chairs David A. Schwartz (University of Colorado School of Medicine, U.S.A.) Man Pyo Chung (Sungkyunkwan University School of Medicine, Republic of Korea)				
11:10-11:40	S22-1	Physiologic and Structural Consideration in the Aging Lung			
11.10-11.40	322-1	Won-II Choi (Myongji Hospital, Republic of Korea)			
11./0 12.10	522-2	An Airway Centric Vi	ew of Idiopathic Pulmonary Fibro	osis	
11:40-12:10	52Z-Z	David A. Schwartz (U	Iniversity of Colorado School of Med	icine, U.S.A.)	
12:10-12:40	C22.2	Similarity Dissimilari	ty between Aging and ILD/IPF (or	r Chronic Lung Diseases)	
	S22-3 Yasuhiro Kondoh (T		sei General Hospital, Japan)		

Symposium	23		11:10-12:40	Grand Ballroom 102 (1F)		
Respiratory St	Respiratory Structure and Function - Physiologic Phenotype of Respiratory Disease					
Chairs	Martijn A. Spruit (Maastricht University Medical Center, Kingdom of the Netherlands) Seong Yong Lim (Sungkyunkwan University School of Medicine, Republic of Korea)					
11:10-11:40	S23-1	The Role of the Physiome: Physiologic Phenotyping and Treatable Traits in Pulmonary Disease				
		Martijn A. Spruit (Ma	astricht University Medical Center	; Kingdom of the Netherlands)		
11./0 10.10	C22.2	Challenging Spirome	etry: Newer Lung Function Test	: Other than FEV1		
11:40-12:10	S23-2	David G. Chapman (Iniversity of Technology Sydney, A	ustralia)		
10:10 10:70	500.0	States of Art: Recent	t Update of Pulmonary Rehabili	tation		
12:10-12:40	S23-3	Seung Won Ra (Ulsan	University Hospital, Republic of Ko	orea)		

	JRS Symposium		11:10-12:40	ASEM Ballroom 202 + 203 (2F)	
	11:10-11:40 JRS-1	Challenge to overcome drug resistance in non-small cell lung cancer (Video Recording)			
		Kazuhisa Takahashi (Juntendo University, Japan)		
	11:40-12:10 JRS-2			s hypersecretion in the pat apy (Video Recording)	hogenesis of COPD:
			Takeshi Kaneko (Yoko	ohama City University, Japan)	



Symposium 24			14:00-15:20	Auditorium (3F)	
COPD - Pro/Con: Application of Bioinformatic Artificial Intelligence to Current Clinical Practice in the Management of COPD					
Chair	Alejandro	Alejandro A Pezzulo (University of Iowa, U.S.A.)			
14:00-14:05	Introducti	iction & Voting			
14:05-14:25	S24-1	Pro: Application of Bi Management of COP		igence to Current Clinical Practice in the	
		Chin Kook Rhee (The	Catholic University of Korea C	ollege of Medicine, Republic of Korea)	
14:25-14:45 S24-2		Con: Application of B Management of COP		ligence to Current Clinical Practice in the	
		Konstantinos Kostika	s (University of Ioannina, Gree	ece)	
14:45-15:00	Comment				
15:00-15:15	Q&A				
15:15-15:20	Voting & Closing				

Symposium 25			14:00-15:30	Grand Ballroom 101 (1F)	
Respiratory Infections (non-tuberculous) - Updated Clinical Approach in Respiratory Infection					
Chairs	Chairs Chieh-Liang Wu (Taichung Veterans General Hospital, Taiwan) Jae Hwa Cho (Yonsei University College of Medicine, Republic of Korea)				
14:00-14:30	S25-1	Treatment of miscell	laneous pulmonary infections:	actinomycosis and cryptococcosis	
14.00-14.30	323-1	Hyun Lee (Hanyang U	Iniversity College of Medicine, Repu	ublic of Korea)	
14:30-15:00	605.0	Recent Advances in	the Aspiration Pneumonia		
14.50-15.00	S25-2	Chieh-Liang Wu (Taio	Chieh-Liang Wu (Taichung Veterans General Hospital, Taiwan)		
15:00 15:20	S25-3	Advances in the Man	agement of Fungal Pneumonia	in Critically III Patients	
15:00-15:30	525-5	Jin-won Huh (Univers	ity of Ulsan College of Medicine, Re	epublic of Korea)	

Symposium	26		14:00-15:30	Grand Ballroom 102 (1F)		
Critical Care Mo	Critical Care Medicine - Meet the Professor					
Chair	Sang Bum Hong (University of Ulsan College of Medicine, Republic of Korea)			of Korea)		
14:00-14:40	S26-1	ARDS, Beyond & Next				
14.00-14.40	520-1	Carolyn S. Calfee (University of California, San Francisco, U.S.A.)				
14:40-15:30	Discussion					

Symposium	27		15:50-17:20	Auditorium (3F)	
Interstitial Lung Disease - Interstitial Lung Abnormalities: State of the Art					
Chairs	Grace H. Kim (UCLA, U.S.A.) Jin Woo Song (University of Ulsan College of Medicine, Republic of Korea)				
15:50-16:20	S27-1	ILA: Natural Course a	and Clinical Implication		
15.50-16.20	527-1	Takeshi Johkoh (Kans	sai Rosai Hospital, Japan)		
16:20 16:50	627.2	Evaluation of ILA by	Automatic Quantification System		
16:20-16:50	S27-2	Grace H. Kim (UCLA, U.S.A.)			
10.50 17.00		ILA in Asian Population	on		
16:50-17:20	S27-3	Gong Yong Jin (Jeonb	uk National University, Republic of Korea)		

Symposium 28			15:50-17:20	Grand Ballroom 101 (1F)
Environmental	& Occupation	nal Health and Epidem	iology - The Past, Present, an	nd Future of Occupational Health Surveillance
Chairs			sity of Manchester, United King niversity School of Medicine, Re	
15:50-16:20	S28-1	UK Occupational and	d Environmental Surveillanc	e Program
13.30-10.20	320-1	Martie Van Tongerer	n (The University of Mancheste	er, United Kingdom)
16:20-16:50	S28-2		noparticle Exposured Work Inction, Japan Experience	ers and
		Akira Ogami (Universi	ity of Occupational and Enviror	nmental Health, Japan)
16:50-17:20	500.0	Hospital Based Natio	n-Wide Survillance of Asbe	stos Related Diseases in Korea
	S28-3	Jun-Pyo Myong (The	Catholic University of Korea Co	ollege of Medicine, Republic of Korea)

Symposium	Symposium 29		15:50-17:20	Grand Ballroom 102 (1F)		
Clinical Allergy	Clinical Allergy & Immunology - Advances in Clinical Allergy and Immunology					
Chairs	Chairs Koichiro Asano (Tokai University School of Medicine, Japan) Chang-Keung Kim (Inje University College of Medicine, Republic of Korea)					
15:50-16:20	S29-1	The Effect of Tezepe	lumab in Asthma			
15.50-10.20		Asger Sverrild (Univer	rsity Hospital Bispebjerg, Denmarl	<)		
16:20-16:50	Diagnosis and Treatn		ment of ABPA			
10.20-10.30	323-2	Koichiro Asano (Tokai University School of Medicine, Japan)				
16:50-17:20	S29-3	Treatment of Biologic	cs in Comorbidities of Asthma			
10.50-17.20		Ji-yong Moon (Hanya	ng University College of Medicine,	Republic of Korea)		



Luncheon Symposium 7 12:50-13:50 Grand Ballroom 101 (1F)

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Asthma			
Chair	, , ,	ungkyu Yoon uido ST. Mary's Hospital, The Catholic University of Korea College of Medicine, Republic of Korea)	
		SAD in Asthma	
12:50-13:50	LS07-1	Omar S Usmani (National Heart and Lung Institute (NHLI), Imperial College London, United Kingdom)	

Luncheon Symposium 8 12:50-13:50 Grand Ballroom 102 (1F)

Sponsored by Boehringer Ingelheim Korea

Progressive Fi	brosing Inter	stitial Lung Diseases (PF-ILD)-Management Strategies in Clinical Practice	
Chair	Jin Woo Song (University of Ulsan College of Medicine, Republic of Korea)		
12:50-12:55	Welcome	Welcome & Introduction	
10.55.10.15	1.000.1	Diagnosis for Progression & Monitoring in PF-ILD	
12:55-13:15	LS08-1	Sun Mi Choi (Seoul National University College of Medicine, Republic of Korea)	
13:15-13:40	LS08-2	Current Treatment Approaches in PFILD and Treatment Initiation Criteria with RWE Patient Cases	
		Toby Maher (University of Southern California, U.S.A.)	
13:25-13:45	Discussion	 Sun Mi Choi (Seoul National University College of Medicine, Republic of Korea) Toby Maher (University of Southern California, U.S.A.) 	
13:45-13:50	Summary	& Conclusion	

Luncheon Symposium 9 12:50-13:50 Grand Ballroom 103 (1F)

Sponsored by Boryung Co.

Airway Disease - In-depth Review of Mucus		
Chair	Seong Yong Lim (Sungkyunkwan University School of Medicine, Republic of Korea)	
12:50-13:50	3:50 LS09-1	Recent Update Chronic Bronchitis
12.50-13.50		Chin Kook Rhee (The Catholic University of Korea College of Medicine, Republic of Korea)

Luncheon Symposium 10 12:50-13:50 Grand Ballroom 104 (1F)

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Severe Asthma	9	
Chair	Joo Hun Park (Ajou University School of Medicine, Republic of Korea)	
12:50-13:50	LS10-1	'First Do No Harm': Using Biomarkers and Biologics to Minimize Systemic Steroid Exposure in Asthma
		David Jackson (Guy's and St Thomas' Hospital, King's College London, United Kingdom)

Luncheon Symposium 11 12:50-13:50 Grand Ballroom 105 (1F)

Sponsored by MSD Korea

Cancer		
Chair	Sung Yong Lee (Korea University College of Medicine, Republic of Korea)	
12:50-13:50	LS11-1	Reimagine More TOMORROWs Together with Pembrolizumab in the 1st-line mNSCLC Treatment
		Seong-Hoon Yoon (Pusan National University Yangsan Hospital, Republic of Korea)

Luncheon Symposium 12 12:50-13:50 ASEM Ballroom 202 + 203 (2F)

Sponsored by Novartis

Asthma		
Chair	Yeon-Mok Oh (University of Ulsan College of Medicine, Republic of Korea)	
12:50-13:40	LS12-1	Simplified Triple Therapy for Asthma
12.50-15.40		Kenneth R. Chapman (Toronto General Hospital Research Institute, Canada)
13:40-13:50	Q&A	

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Evening Symposium 7	17:30-18:30	Grand Ballroom 101 (1F)

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Chair	Young Sai	m Kim (Yonsei University College of Medicine, Republic of Korea)
17:30-18:30	ES07-1	How Rapid Multiplex PCR Technology Revolutionizes Antimicrobial Stewardship for Pneumonia Management and Values in Post-pandemic Era
		Vanya Gant (University College London Hospital, United Kingdom)

Evening Symposium 8	17:30-18:30	Grand Ballroom 102 (1F)
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Sponsored by Abbott Korea

Asthma		
Chair	Do-Jin Kin	n (Soon Chun Hyang University College of Medicine, Republic of Korea)
17:30-18:30	ES08-1	The Role of Sublingual Allergen Specific Immunotherapy in the Treatment of House Dust Mite Driven Asthma
		Eike Wüstenberg (ALK Corporate Headquarter, Vice President Medical Affairs, Denmark)

Evening Symposium 9	17:30-18:30	Grand Ballroom 103 (1F)
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Asthma		
Chair Yong Bum Park (Hallym University College of Medicine, Republic of Korea)		
17:30-17:55	ES09-1	A Benefit/Risk Analysis of Regular Maintenance vs. Infrequent or As-needed Inhaled Corticosteroid Use in Asthma
		Nobert Berend (University of Sydney, Australia)
17:55-18:20	ES09-2	Role of lama and benefit of single inhaler triple therapy in Asthma
		Gregory King (Royal North Shore Hospital, Australia)
18:20-18:30	Q&A	

Evening Symposium 10	17:30-18:30	Grand Ballroom 104 (1F)
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IPF					
Chair	Moo Suk Park (Yonsei University College of Medicine, Republic of Korea)				
17:30-18:05	ES10-1	Pirfenidone in Progressive Fibrosing ILD			
17.30-16.03		Takafumi Suda (Hamamatsu University School of Medicine, Japan)			
	ES10-2	Efficacy of Lowe Dose Pirfenidone for the Treatment of IPF			
18:05-18:30		Yong Hyun Kim (Bucheon St. Mary's Hospital, The Catholic University of Korea College of Medicine, Republic of Korea)			

Evening Symposium 11	17:30-18:30	Grand Ballroom 105 (1F)
Sponsored by sanofi		

Asthma					
Chair	Chair Kwang Ha Yoo (Konkuk University School of Medicine, Republic of Korea)				
17:30-18:30	8:30 ES11-1	Biological Treatment for Type 2 Severe Asthma: The Role and Contribution of IL-4/IL-13			
17.30-10.30		Nicola Hananiah (Baylor College of Medicine, U.S.A.)			

Evening Symposium 12	17:30-18:30	ASEM Ballroom 202 + 203 (2F)

Sponsored by YUHAN

Cancer					
Chair	Kye Young Lee (Konkuk University School of Medicine, Republic of Korea)				
17:30-18:30 ES12-1		Oncogene Driven NSCLC: Targeted Therapies, Lessons Learnt & Future Directions			
		Sai-Hong Ignatius (University of California, U.S.A.)			



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eynote & Inv	ited Lectur	e	08:10-09:10	Auditorium (3F)	
			sity School of Medicine, Republic of Korea) sity College of Medicine, Republic of Korea)		
08:10-08:40	PL03-1	[Keynote Lecture] Shorter Treatment for	or Tuberculosis: Where Do We Stand	i?	
		Jae-Joon Yim (Seoul)	-Joon Yim (Seoul National University College of Medicine, Republic of Korea)		
08:40-09:10 PL03-2		[Invited Lecture] Role of Proteinases a	and the Extracellular Matrix in ARDS	Pathobiology	
		Gregory P. Downey (University of Colorado School of Medicine, U.S.A.)			

Symposium 30			09:20-10:50	Grand Ballroom 101 (1F)		
Critical Care Me	edicine - Reo	rganizing ICU after COVII	D-19 Pandemic			
Chairs	Jason Phua (National University Hospital, Singapore) Sang-Min Lee (Seoul National University College of Medicine, Republic of Korea)					
09:20-09:50	S30-1	Therapeutics of Criti	cal COVID-19 Patients			
09.20-09.50	330-1	Carolyn S. Calfee (Un	iversity of California, San Francisco, U	J.S.A.)		
09:50-10:20	S30-2	Management of Acut	te Respiratory Failure in COVID-19	9		
09.50-10.20		Jason Phua (National	University Hospital, Singapore)			
10:20 10:50	S30-3	Reorganizing ICU afto	er COVID-19 Pandemic			
10:20-10:50		Young-Jae Cho (Seou	ıl National University College of Medic	cine, Republic of Korea)		

Symposium	31		09:20-10:50	Grand Ballroom 102 (1F)		
Lung Cancer - F	Palliative Care	e in Patients with Lung Ca	ncer			
Chairs		Andarini (University of Indonesia, Persahabatan Hospital, Indonesia) ng-Min Choi (University of Ulsan College of Medicine, Republic of Korea)				
09:20-09:50	S31-1	Evolution of Palliative	e Care and Models of Care De	elivery		
09.20 09.30	33 1-1	David Hui (MD Anderson Cancer Center, U.S.A.)				
09:50-10:20	S31-2	Benefits and Barriers	s of Early Integrated Palliativ	e Care in Lung Cancer Patients		
09.50-10.20	55 1-2	Hye Ryoun Kim (Kore	a Institute of Radiological and M	Medical Sciences, Republic of Korea)		
10:20-10:50	C21_2	Symptom Relief Management in End-of Life Care				
10.20-10.50	So Young Park (Hally	m University College of Medicine	e, Republic of Korea)			

Young Investigator Awards 2		ards 2	15:50-17:20	Grand Ballroom 104 (1F
Chair	Kwang Ha	Yoo (Konkuk University S	School of Medicine, Republic of Kor	ea)
15:50-15:58	YIA-2-1		ility of Individual Inflammatory ospective Cohort Study	Markers in Predicting Critical COVID
70.00 70.00		Catherine Jordan (Ph	ilippines)*, Ma. Janeth Samson	
			romagnetic navigation broncho g bronchus sign positive pulmo	scopy and transthoracic needle nary lesions
15:58-16:06	YIA-2-2		ublic of Korea)*, Hyung-Jun Kim, St ng Yoon Lim, Yeon Joo Lee, Jong St	ung Hyun Yoon, Myung Jin Song, un Park, Young-Jae Cho, Jae Ho Lee,
		Analysis of brain fun	ctional connectivity in COPD pa	tients with functional brain MRI
16:06-16:14	YIA-2-3	Yoomi Yeo (Republic on Dong Woo Park, Tae-H	f Korea)*, Ji Tak Rhu, Hanjoon Jo, S yung Kim	Gung-Ho Jang, Joonho Choi,
10:1/ 10:22	VIA 2 F	Children respiratory poor air quality.	health during Covid-19 lockdo	wn and after 6-month re-exposure to
16:14-16:22	YIA-2-5		n Pham, Vinh Nguyen, Robert War Jang Tran, Hien To, Peter Sly	re, Dung Phung, Phong Thai,
	VIA 2.6	Clinical Significance Obstructive Pulmona		Patients Diagnosed with Chronic
16:22-16:30	YIA-2-6	Yun Seok Kim (Repub Yong Bum Park, Joon Y	lic of Korea)*, Kwang Ha Yoo, Chin oung Choi	Kook Rhee, Ki-Suck Jung,
16:30-16:38	YIA-2-7	Late diagnosis of Cor recurrent respiratory		formation (CPAM) in a child with
		Sokchinda Kong (Can	nbodia)*, Khemuoy Um, Michael W	all
16:38-16:46	VIA-2-0	Tuberculous Lympha High-Burden Country		From a Referral Tertiary Hospital in
10.38-10.40	YIA-2-8	Muhammad Akbar Ti Nataprawira, Heda Mel	i rtosudiro (Indonesia)*, Usman, He inda	ermin Aminah, Cesilia Citra,
16:46-16:54	YIA-2-9		l eosinophil count and clinical o atients: A prospective study	utcomes in Thai chronic obstructive
		Punchalee Kaenmua	ng (Thailand)*, Siwasak Juthong, S	iirikorn Densrisereekul
16:54-17:02	YIA-2-10	Low compliance fact at dr. zainoel abidin l	ors of NSCLC patients who refu nospital banda aceh	ise chemotherapy
		Juvenita Sartika Dew	vi (Indonesia)*, Ferry Dwi Kurniawa	n, Irmaini Irmaini, Novita Andayani
17:02-17:10	YIA-2-11	Remote telemonitori the Sarawak experie	ing among patients on home no nce	on-invasive ventilation (NIV):
		Mei Ching Yong (Mala	ysia)*, Sze Shyang Kho, Swee Kim	Chan, Siew Teck Tie



	Symposium 32		09:20-10:50	Grand Ballroom 103 (1F)	
	Interstitial Lung Disease - Meet the Professor				
	Chair	Moo Suk I	PARK (Yonsei University C	College of Medicine, Republic of Ko	orea)
	09:20-10:50	70-10:50 S32-1 The Role of Genet	The Role of Genetics	in Idiopathic Pulmonary Fibro	sis
		332-1	David A. Schwartz (U	niversity of Colorado School of M	edicine, U.S.A.)

Symposium	mposium 33		11:10-12:40	Grand Ballroom 101 (1F)	
Asthma - Bioma	arker and Ger	netic Marker in Severe As	thma		
Chairs	Olivia Carroll (The University of Newcastle and the Priority Research Centre for Healthy Lungs, Hunter Medical Research Institute - Newcastle, Australia) Yong Bum Park (Hallym University College of Medicine, Republic of Korea)				
11:10-11:40	Biomarker for Sev		e Asthma		
11.10 11.40	333-1	Nicola Hanania (Baylo	a (Baylor College of Medicine, U.S.A.)		
11:40-12:10	S33-2	Microbiome in Sever	e Asthma		
11.40-12.10	333-2	Jung-Kyu Lee (Seoul National University, Republic of Korea)			
12:10 12:70	S33-3	Eosinophil-Mucus Complex Interplay in Severe Asthma			
12:10-12:40	555-5	Parameswaran Nair	(McMaster University, Canada)		

Symposium 34		11:10-12:40	Grand Ballroom 102 (1F)	
Clinical Respiratory Medicine - From Cough to Exacerbation				
Chairs	Chairs Anne E. Vertigan (The University of Newcastle, Australia) Jin Woo Kim (The Catholic University of Korea College of Medicine, Republic of Korea)			
11:10-11:40	534-1	Heterogenous Aspec	ct of Chronic Cough: Differing	Profile
11.10-11.40	554-1	Hyeon-Kyoung Koo	Inje University College of Medicine	e, Republic of Korea)
11:70 12:10	534-2 534-2	What to do and wher	re to go with exacerbations of	COPD?
11.40-12.10		Mona Bafadhel (King'	s College London, United Kingdor	m)
12:10 12:40	0.10./0	The State of the Art 1	for Refractory Cough: Multidis	sciplinary Approach
12:10-12:40	S34-3	Anne E. Vertigan (The	e University of Newcastle, Austral	lia)

Symposium 35		11:10-12:40	Grand Ballroom 103 (1F)	
COPD - Early CC)PD			
Chairs Don Sin (University of British Columbia, St. Paul Hospital, Canada) Seung Won Ra (University of Ulsan College of Medicine, Republic of Korea)				
11:10-11:40	S35-1	Importance of Early	COPD in Young Adults for Deve	elopment of Clinical COPD
11.10-11.40		Don Sin (University of	British Columbia, St. Paul Hospital	, Canada)
11./0 12.10	S35-2	Defining of Early COF	PD in Korea	
11:40-12:10		Youlim Kim (Konkuk U	Iniversity School of Medicine, Rep	ublic of Korea)
12:10-12:40	S35-3	Early Intervention of	COPD with Mild Airflow Limitat	tion
		Diahn-Warng Perng	(Taipei Veterans General Hospital,	Taiwan)

APSR-GOLD	Joint Session	09:20-11:00	Auditorium (3F)		
Updates of the	Updates of the GOLD Strategy and Its Implementation into Asia				
Chair	David Hui (The Chinese University of Hong Kong, Hong Kong)				
09:20-09:50	GOLD Update Presentation				
09.20-09.30	Don Sin (University of British Columl	oia, St. Paul Hospital, Canada)			
09:50-10:15	Implementation of the GOLD Strategy into a Local COPD Guideline - Comparison of the GOLD Strategy vs. the Korean COPD Guideline.				
	Yeon-Mok Oh (University of Ulsan C	college of Medicine, Republic of Korea)			
10:15-10:40	Management of COPD in Asia				
10.15-10.40	Chin Kook Rhee (The Catholic Unive	ersity of Korea College of Medicine, Republic of Korea)			
10:40-11:00	Panel Discussion - David Hui (The Chinese University of Hong Kong, Hong Kong) - Yeon-Mok Oh (University of Ulsan College of Medicine, Republic of Korea) - Chin Kook Rhee (The Catholic University of Korea College of Medicine, Republic of Korea) - Don Sin (University of British Columbia, St. Paul Hospital, Canada) - Diahn-Warng Perng (Taipei Veterans General Hospital, Taiwan)				

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ORAL PRESENTATION & POSTER EXHIBITION

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ORAL PRESENTATION

18 November

Oral 1		09:20-10:50	Grand Ballroom 104 (1F)	
Asthma				
Chair	Yu-II Kim	(Chonnam National University Medical School, Republic of Korea)		
09:20-09:30		Severe asthma is associated with the adverse COVID-19 outcome -	A Big Data Study	
	A001-1	Jong Seung Kim (Republic of Korea)*, Jae Seok Jeong, Yeon Seok You, Jos Sang Woo Yeom, Yong Chul Lee	ng-Hwan Lee,	
		Demographic and Clinical Characteristics of Patients with Severe Asthma Registry	sthma in the Asian (ISAR)	
09:30-09:40	A001-2	David Price (United Kingdom)*, Chin Kook Rhee, Trung N. Tran, Rohit Katia Matthew Peters, Eve Denton, John W. Upham, Philip Bardin, Belinda Cochra Paul Reynolds, Christine Jenkins, Diahn-Warng Perng, Hao-Chien Wang, Ching-Ju Tsai, Erick Wan-Chun Huang, Ying-Chun Chien, Jeng-Yuan Hsu, Pi Ching-Hsiung Lin, Sheng-Hao Lin, Sheng-Yeh Shen, Shih-Feng Liu, Kang-Y Horng-Chyuan Lin, Ming-Shian Lin, Chu-Kuang Chou, Sundeep Salvi, You S Takashi Iwanaga, Yuji Tohda, Hajime Fujimoto, Hiroshi Tanaka, Kazutaka Nc Mayumi Matsunaga, Hozawa Soichiro, Takao Fujisawa, Tatsuya Nagano, Tet Tsuyoshi Oguma, Yoshihiro Nishimura, Lakmini Bulathsinhala, Indu Joshi, N Derek Skinner, Victoria Carter, Chris Price, Ruth Murray	ane, Peter G Middleton, nau-Chyun Sheu, n-Kuei Fu, 'un Lee, Kuo-Chin Chiu, look Cho, Kwang Ha Yoo, ogami, Kiyoshi Sekiya, Isu Kobayashi,	
		Ending the reign of short-acting β2-agonists in Australia?		
09:40-09:50	A001-3	David Price (United Kingdom)*, Ruth Murray, Christine Jenkins, Kerry Hand Florian Heraud, Porsche Le Cheng, Sinthia Bosnic-Anticevich, Fabio Botini, Angelina Catanzariti, Joe Doan, Ata Kichkin, Thao Le, Chantal Le Lievre, Chi I Dominique Novic, John Pakos, Kanchanamala Ranasinghe, Alex Roussos, John Sharma, Bruce Willet, Eric Bateman	Victoria Carter, Ming Lau,	
		Pharmacological characterization of T cell-dependent steroid-resis using several kinase inhibitors	tant asthma model	
09:50-10:00	A001-4	Akio Mori (Japan)*, Satoshi Kouyama, Akemi Ohtomo-Abe, Yuichiro Kawas Yuto Nakamura, Yuto Hamada, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fuku Osamu Kaminuma		
		Dupilumab sustains improvements in clinical efficacy and reduction with severe, OCS-dependent asthma: LIBERTY ASTHMA TRAVERSE		
10:00-10:10	A001-6	Hye Yun Park (Republic of Korea)*, Mark Gurnell, Christian Domingo, Klaus Andrew Menzies-Gow, David Price, Guy Brusselle, Michael E. Wechsler, Cha Nami Pandit-Abid, Rebecca Gall, Juby A. Jacob-Nara, Paul J. Rowe, Yamo De	ingming Xia,	
		The association of short-acting β2-agonist overuse with asthma coexacerbations: an Australian perspective	ntrol and severe	
10:10-10:20	A001-7	David Price (United Kingdom)*, Ruth Murray, Christine Jenkins, Kerry Hand Florian Heraud, Porsche Le Cheng, Sinthia Bosnic-Anticevich, Fabio Botini, Angelina Catanzariti, Joe Doan, Ata Kichkin, Thao Le, Chantal Le Lievre, Chi Dominique Novic, John Pakos, Kanchanamala Ranasinghe, Alex Roussos, Ja Anita Sharma, Bruce Willet, Eric Bateman	Victoria Carter, Ming Lau,	
40.00 40 40	10010	Correlation of pulmonary function measured by Forced Oscillation and asthma control questionnaire	Technique, Spirometry	
10:30-10:40	A001-8	Nagesh Dhadge (India)*, Pinaki Sengupta, Kameshwar Rao, Aneesha Moh Narendra Singh Bhati, Reenkal Ahire	nan,	

Oral 2		09:20-10:30	Grand Ballroom 105 (1F)	
Cell and Mole	Cell and Molecular Biology			
Chair	Sei Won L	Sei Won Lee (University of Ulsan College of Medicine, Republic of Korea)		
00:20 00:20		CVA11 infection exerts potent immunogenic oncolytic at mesothelioma via ICAM-1 receptor	ctivity in human malignant pleural	
09:20-09:30	A002-1	Koji Okamura (Japan)*, Hiroyuki Inoue, Kentaro Tanaka, Yuki Il Yasuto Yoneshima, Eiji Iwama, Isamu Okamoto	kematsu, Rie Furukawa, Keiichi Ota,	
		Study of genetic variability of production strains of M. bo	ovis BCG	
09:30-9:40	A002-2	Dmytro Butov (Ukraine)*, Oleksii Solodiankin Natalia Rudova, Michael Harris, Madeline Galac, Brendan Jeffrey, Andriy Zavhor Tetiana Butova, Olga Bilogortseva, Valery Minukhin, Nadiya Skly Anton Tkachenko	odnii, Anatoly Gerilovych,	
09:40-09:50	A002-3	Glyoxalase-1 is essential for the definitive endoderm and pluripotent stem cells	d alveolar development of human	
		Suji Jeong (Republic of Korea)*, Hyebin Koh, Jong-Hee Lee, Se	eok-Ho Hong	
00:50 10:00	A002-4	GHS-R1a deficiency mitigates lipopolysaccharide-induce downregulation of macrophage activity	ed lung injury in mice via the	
09:50-10:00		Hironobu Tsubouchi (Japan)*, Ryota Tanida, Shigehisa Yanag Masamitsu Nakazato	gi, Takafumi Shigekusa, Taiga Miyazaki,	
		Therapeutic blockade of SIRT1 in lipopolysaccharide-ind	luced acute lung injury in mice	
10:00-10:10	A002-5	Hyejoo Bae (Republic of Korea)*, Wankyu Kim, Hae Jin Park, K Yeong Hun Choe, Jae Seok Jeong, Yong Chul Lee	yung Hwa Park, So Ri Kim,	
10:10_10:20	A002-6	Curcumin-like diarylpentanoid analogues inhibit influenz pro-inflammatory cytokines production in A549 lung ep		
10:10-10:20	A002-6	Kong Yen Liew (Malaysia)*, Hui-Yee Chee, Faridah Abas, Sze V Daud Ahmad Israf, Chau Ling Tham	Wei Leong, Hanis Hazeera Harith,	



Oral 3		09:20-10:50 ASEM Ballroom 202 + 203
Interstitial Lu	ıng Disease	
Chair	Yong Hyu	n Kim (The Catholic University of Korea College of Medicine, Republic of Korea)
09:20-09:30	4002.4	Short leukocyte telomere lengths correlate with poorer survival and absolute FVC decline from baseline independent of ILD diagnosis
	A003-1	Michelle Li Wei Kam (Singapore)*, Siao Ting Chong, Ee Ling Chew, Sock Hoai Chan, Nur Diana Bte Ishak, Su Ying Low, Joanne Yuen Yie Ngeow
00:20 00:40	4000.0	Role of ornithine aminotransferase in idiopathic pulmonary fibrosis: lung function decline and fibrogenesis
09:30-09:40	A003-2	Sung Woo Park (Republic of Korea)*, Jong-Uk Lee, Jisu Hong, Hyesun Shin, Ae-Rin Baek, An Soo Jang, Do Jin Kim
		Direct hemoperfusion with polymyxin B-immobilized fibre column for acute exacerbation of idiopathic pulmonary fibrosis: A nationwide observational study
09:40-09:50	A003-3	Nobuyasu Awano (Japan)*, Taisuke Jo, Takehiro Izumo, Minoru Inomata, Naoyuki Kuse, Keita Sakamoto, Yutaka Muto, Kazushi Fujimoto, Yoshihiro Furukawa, Kojiro Morita, Hiroki Matsui, Kiyohide Fushimi, Takahide Nagase, Hideo Yasunaga
09:50-10:00	A003-4	Impact of initial dose of corticosteroid on clinical outcomes in acute exacerbation of idiopathic pulmonary fibrosis
		Kwonhyung Hyung (Republic of Korea)*, Jimyung Park, Sun Mi Choi
		Monocyte Counts and the Clinical Outcomes in the Idiopathic Nonspecific Interstitial Pneumonia
10:00-10:10	A003-5	Tae Hun Kim (Republic of Korea)*, Hyung-Jun Kim, Myung Jin Song, Byoung Soo Kwon, Yeon Wook Kim, Sung Yoon Lim, Yeon Joo Lee, Young-Jae Cho, Jae Ho Lee, Choon-Taek Lee, Jong Sun Park
		Therapeutic potential of an indole derivative in fatal fibrosing interstitial lung diseases
10:10-10:20	A003-6	Yeogha Yoon (Republic of Korea)*, Wankyu Kim, Hae Jin Park, Kyung Hwa Park, So Ri Kim, Yeong Hun Choe, Jae Seok Jeong, Yong Chul Lee
10:20-10:30	A003-7	Effect of aspirin on mortality in patients with idiopathic pulmonary fibrosis; An analysis using the Korean National Health Insurance Service database from 2010 to 2020.
13.20 10.30	,1003 /	Eun Young Kim (Republic of Korea)*, A La Woo, Song Yee Kim, Chang Hoon Han, Moo Suk Park
10:20 40:70	4003.0	Immunogenicity and safety of ChAdOx1 nCoV-19 vaccine in interstitial lung disease patients with immunosuppressive therapy
10:30-10:40	A003-8	Tinn Hongboontry (Thailand)*, Sasipak Nithiworanan. Amornpun Wongkarnjana, Picha Pattrapruettada, Supparerk Disayabutr

Oral 4		11:10-12:40	Grand Ballroom 104 (1F)		
Tuberculosis	Tuberculosis - Drug Sensitive Tuberculosis				
Chair	Young Ae	Kang (Yonsei University College of Medicine, Republic of Korea)			
11:10-11:20	100/ 1	Comparison of active tuberculosis case finding strategies for in epidemiology and cost-effectiveness analysis	nmigrants in South Korea:		
	A004-1	Yedham Kang (Republic of Korea)*, Sangwook Park, Chaegyu Sung, I Hee-Jin Kim, Hae-Young Kim, In-Hwan Oh, Seung Heon Lee	Hangseok Choi, Yeo Wool Lee,		
11:20-11:30	A004-2	People with disabilities are at risk of tuberculosis: a nationwide	e serial cross-sectional study		
11.20-11.30	AUU4-2	Jinsoo Min (Republic of Korea)*, So Young Kim, Jong Eun Park, Yeon	Yong Kim, Jong Hyock Park		
11:30-11:40 A004-3	A004-3	Diagnostic performance of XPERT-MTB/RIF and XPERT-MTB/RI pleural biopsy specimens for diagnosing pleural tuberculosis - A single center experience of 534 patients.	IF Ultra on thoracoscopic		
		Chetan Rao Vaddepally (India)*, Virender Pratibh Prasad, Abdul Nas Venkata Nagarjuna Maturu	eer Mohammed,		
11:40 11:50	A004-4	Clinical course and risk factors associated with paradoxical res mediastinal lymph node tuberculosis	ponses in patients with		
11:40-11:50		Areum Han (Republic of Korea)*, Junsu Choe, Sun Hye Shin, Hongsed Kyungjong Lee, Kyeongman Jeon, Sang-Won Um, Hojoong Kim, Byeo	, ,		
44.50 42.00	A004-5	Comparison of different types of fixed-dose combination regin tuberculosis in elderly patients in Taiwan	nen for treatment of		
11:50-12:00		Ko-Yun Chang (Taiwan)*, Shin-Shin Liu, Yu-Che Lee, Hui-Chen Chen, Wei-Chang Huang	Ming-Feng Wu,		
12:00-12:10	A004-6	The treatment outcome of pulmonary tuberculosis with or with patients under or over the age of 80 in Osaka city, Japan.	nout pyrazinamide for		
		Myung Mi Cho (Japan)*, Jun Komukai, Tetsuo Morimoto			
12:10 12:20	4004-7	Real-world experience of rifampicin sparing treatment for drug tuberculosis	g-susceptible pulmonary		
12:10-12:20	A004-7	Hyung-Jun Kim (Republic of Korea)*, Myung Jin Song, Byoung Soo K Sung Yoon Lim, Yeon-Joo Lee, Jong Sun Park, Young-Jae Cho, Choon-			



Oral 5		11:10-12:30 Grand Ballroom 105 (1F
Lung Cancer	- Basic resea	rch and Screening
Chair	Young Ky	oon Kim (The Catholic University of Korea College of Medicine, Republic of Korea)
11:10-11:20	A005-1	Study on the mechanism of msc-mirna-198-exos regulating mapk1 in malignant pleural effusion associated with non-small cell lung cancer
		Yanan Wang (China (Mainland))*, Yan Gu
11:20-11:30	A005-2	KCNK3 inhibits proliferation and glucose metabolism of lung adenocarcinoma via activation of AMPK-TXNIP pathway
		Lanlan Lin (China (Mainland))*, Xiaohui Chen, Guofu Lin, Yuan Xu, Yiming Zeng
11:0-11:40	A005-3	Integrated profiling of endoplasmic reticulum stress-related DERL3 in prognostic and immune features of lung adenocarcinoma
		Lanlan Lin (China (Mainland))*, Guofu Lin, Xiaohui Chen, Yuan Xu, Yiming Zeng
11:40-11:50 A005-4	A005-4	Pilot study: comparative analysis of immune related gene expression in lung adenocarcinoma tissues between never smokers, non-emphysematous smokers and emphysematous lungs
	,,,,,,,	Jeong Uk Lim (Republic of Korea)*, Tai Joon An, Young Jo Sa, Chan Kwon Park, Hyoung Kyu Yoon, Tae-Jung Kim
	A005-5	Single-cell RNA sequencing reveals distinct molecular features of high-grade lung adenocarcinoma subtypes.
11:50-12:00		Shin Yup Lee (Republic of Korea)*, Jusung Lee, Ji Yun Jeong, Jong Kyung Kim, Mi Jeong Hong, Jin Eun Choi, Hyo-Gyoung Kang, Jang Hyuck Lee, Sunwoong Lee, Young Woo Do, Eung Bae Lee, Ji Eun Park, Sun Ha Choi, Hye Won Seo, Yong Hoon Lee, Seung Soo Yoo, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Jae Yong Park
		Artificial intelligence-based personalized survival prediction using clinical and radiomics features in patients with advanced non-small cell lung cancer
12:00-12:10	A005-6	Junji Koyama (Japan)*, Masahiro Morise, Taiki Furukawa, Shintaro Oyama, Reiko Matsuzawa, Ichidai Tanaka, Keiko Wakahara, Hideo Yokota, Tomoki Kimura, Yoshimune Shiratori, Yasuhiro Kondoh, Naozumi Hashimoto
12:10 12:20	4005.7	Lung Cancer Screening with Low-Dose CT in Never Smokers and Smokers: the real-world data in South Korea
12:10-12:20	A005-7	Yunjoo Im (Republic of Korea)*, Chohee Kim, Jinyoung Lee, Jung Hye Hwang, Sun Hye Shin, Byeong-Ho Jeong, Kyungjong Lee, Hojoong Kim, Ho Yun Lee, Sang-Won Um
10:00 10:00	4005.0	Assessment of traditional risk factors in Lung Cancer Patients who do not fit into NLST criteria
12:20-12:30	A005-8	Sean Chee Hong Loh (Singapore)*, Jiashen Zhao, Daniel Jia Ming Ang, Wui Mei Chew, Jansen Meng Kwang Koh

Oral 6		11:10-12:40	ASEM Ballroom 202+203 (2F)
Respiratory I	Infections (n	on-tuberculous) - Covid-19 infection - Diagnosis and Predictive f	actors
Chair	Jang-Wor	Sohn (Hanyang University College of Medicine, Republic of Korea)	
11:10-11:20	A006-1	The correlation of serum fibrinogen levels and the degree of COVID-19 patients using post mortem core biopsy	of pulmonary fibrosis among
		Adhitri Anggoro (Indonesia)*, Isnin Anang Marhana, Etty Hary K	usumastuti
		Clinical characteristics and risk factors associated with mo at Bussarakham Field Hospital, Thailand	rtality of patients with COVID-19
11:20-11:30	A006-2	Thotsaporn Morasert (Thailand)*, Kittisak Agsornwong, Kornkri Osaree Akaraborworn, Jintana Srisompong, Direk Deesiri, Kavalin Sangnak, Nitipatana Chierakul	
11:30-11:40	A006 3	Exploratory study of predictive factors of disease progress COVID-19	ion in the early stage of
11.30-11.40	A006-3	Yoshifumi Suzuki (Japan)*, Tetsutaro Nagaoka, Yuichi Nagata, Ta Sachiko Kuriyama, Yoko Tabe, Kazuhisa Takahashi	akashi Yoshida, Takeo Tsutsumi,
		Prognostic factors for pulmonary fibrosis followed by pneu	umonia in patient with COVID-19
11:40-11:50	A006-4	Inhan Lee (Republic of Korea)*, Joohae Kim, Ji Yeon Lee, Ina Jeon Min-Kyung Kim, Jaehyun Jeon, Bum Sik Chin, Yeonjae Kim, Yohwa Junghyun Kim	
11.50 12.00	A006-5	Association between Cardiovascular Diseases with Pneumo in Jakarta, Indonesia: a Retrospective Cohort Multi-center	
11:50-12:00		Farhan Mubarak (Indonesia)*, Erlina Burhan, Siti Aliyah Said Utri Efriadi Ismail, Puji Astuti	yani, Cut Yulia Indah Sari,
12:00-12:10	A006-6	The Changes in Antibody Responses Induced by the BNT16 Healthcare Workers in a Single Community Hospital in Japa	
12.00-12.10	A000-6	Shinya Otsuka (Japan)*, Kei Hiraoka, Masato Suzuoki, Hideki Ujiik Kazuya Yonezawa, Keiji Oguma, Nozomu Iwashiro, Mototsugu Kat	
12:10-12:20	A006-7	'Long covid' is more common, underestimated, important h care setting: Prospective, observational and interventional tertiary care setting in India.	
		Shital Patil (India)*, Rajesh Patil, Gajanan Gondhali, Laxman Kastu Ganesh Narwade, Abhijit Acharya	ure, Uttreshwar Dhumal,



Oral 7		14:00-15:30	Grand Ballroom 104 (1F)
COPD			
Chair	So Ri Kim	(Chonbuk National University Medical School, Republic of Korea)	
14:00-14:10		The effect of N-acetylcysteine nebulizer therapy on chronic ol	bstructive pulmonary disease
	A007-1	Chin Kook Rhee (Republic of Korea)*, Seong Yong Lim, Won-Yeon L Chang Youl Lee, Yong II Hwang, Jin Woo Song, Won-II Choi, Kwang Ha	
		Association of N-terminal proB-type Natriuretic Peptide (NT-p and exacerbation in COPD	roBNP) with airflow limitation
14:10-14:20	A007-2	Hey Soo Kim (Republic of Korea)*, Youlim Kim, Ji yong Moon, Yong E Deog Kyeom Kim, Yong II Hwang, kyung Hoon Min, Su Jung Um, Woo Kwang Ha Yoo, Ki Suk Kwon, Jun Kuk Lee, Ji Ye Jung	
14:20-14:30 A007-3	A007-3	Development of a scoring model for the prediction of the effect addition of inhaled corticosteroid in chronic obstructive pulments	
		Jang Ho Lee (Republic of Korea)*, Sehee Kim, Yeon-Mok Oh	
14:30-14:40	A007-4	Identification of hub genes of airway epithelial cells in chronic disease	obstructive pulmonary
		Lanlan Lin (China (Mainland))*, Xiaohui Chen, Yuan Xu, Yiming Zeng	
		Image standardization through kernel conversion of CT in KOCO	SS cohort
14:40-14:50	A007-5	Youlim Kim (Republic of Korea)*, Sojung Shin, Hyun Lee, Chin Kook F Ki Suck Jung, Kwang Ha Yoo, Kum Ju Chae	Rhee, Yong Bum Park,
1/,50 15,00	4007.6	Risk of tuberculosis caused by fluticasone propionate versus lobstructive pulmonary disease: a nationwide population base	
14:50-15:00	A007-6	Iseul Yu (Republic of Korea)*, Se Hwa Hong, Sunmin Park, Min-Seok Suk Joong Yong, Won-Yeon Lee, Sang-Ha Kim, Ji-Ho Lee	Chang, Seok Jeong Lee,
45,00 45,40	4007.7	Association of 18FFDG uptake in semi-quantitative PET/CT v in smokers: a retrospective observational study	with emphysema progression
15:00-15:10	A007-7	Kensuke Fukuda (Japan)*, Hirotaka Matsuzaki, Yukihiro Nomura, Ta Toshihiro Yamaguchi, Shouhei Hanaoka, Akira Saito, Takahide Nagas	
		COPD is a risk factor for COVID-19, but does not confer increa	sed severity of the disease
15:10-15:20	A007-8	Jong Seung Kim (Republic of Korea)*, Jae Seok Jeong, Yeon Seok Y Sang Woo Yeom, Yong Chul Lee	ou, Jong-Hwan Lee,

Oral 8		14:00-15:30	Grand Ballroom 105 (1F)
Lung Cancer	- Diagnosis	and Epidemiology	
Chair	Seung Joo	on Kim (The Catholic University of Korea College of Medicine, Rep	ublic of Korea)
1 / 100 1 / 110		Clinical utility of endobronchial ultrasound-guided transl clinical N1 non-small cell lung cancer patients	bronchial needle aspiration in
14:00-14:10	A008-1	Bo-Guen Kim (Republic of Korea)*, Sun Hye Shin, Hongseok Ye Hojoong Kim, Jong Ho Cho, Jhingook Kim, Young Mog Shim, By	
1/:10 1/:20	A008-2	The superiority of bronchial washing fluid for detection of digital PCR in lung adenocarcinoma	of EGFR mutations by droplet
14:10-14:20	AU08-2	Woo Kyung Ryu (Republic of Korea)*, Seung Hyun Yong, Sang Chi Young Kim, Yoon Soo Chang, Eun Young Kim) Hoon Lee, Hye Ran Gwon,
14:20-14:30	A008-3	A Prospective Phase 2 Study of Rapid Detection and EGF Liquid Biopsy in Advanced NSCLC Patients	R-TKI Initiation by EV-based BALF
1 1.20 1 1.00	7,000	In Ae Kim (Republic of Korea)*, Jae Young Hur, Hee Joung Kim,	, Wan Seop Kim, Kye Young Lee
	A008-4	Diff-Quik smears from EBUS TBNA procedures: evaluating and feasibility of whole genome sequencing (WGS)	ng measures of tumour cellularity
14:30-14:40		David Fielding (Australia)*, Andrew Dalley, Mahendra Singh, La Haarika Chittoory, Farzad Bashirzadeh, Michael Bint, Carl Pahof Sowmya Sharma, David Godbolt, Kylie Coleman, Lenore Whitfie Katia Nones, Gunter Hartel, Peter Simpson	f, Jung Son, Alan Hodgson,
	A008-5	Successful culture of lung cancer organoid derived from	cryo-biopsy sample of lung cancer
14:40-14:50		Chaeuk Chung (Republic of Korea)*, Dongil Park, Dahye Lee, Y Da Hyun Kang, Jeong Eun Lee, Min-Kyung Yeo	eon-Jae Lee, Yoonjoo Kim,
14:50-15:00	A008-6	Establishment of human lung cancer organoids using EB surgical tissues	US-TBNA specimens and
		Sang-Won Um (Republic of Korea)*, Mina Hwang, Seonae Jan	g, Hyeon-Jun Choi
15:00-15:10	A008-7	COX-2 and IL-6 are associated with progressive stages a advanced NSCLC	nd metastasis process in
		Santoso Arif (Indonesia)*, Mustang Ahmad, Munawarrah Sitti	
15:10-15:20	A008-8	The Associations of Hypertension Medication with Lung	Cancer Risk and related Mortality
15.10-15.20	AUU8-8	Juwhan Choi (Republic of Korea)*, Sue In Choi, Dong Won Parl	k, Sung Yong Lee



Oral 9		14:00-15:30 ASEM Ballroom 202+203 (2F)
Interstitial Lu	ıng Disease	
Chair	Rachel S.	Knipe (Massachusetts General Hospital, U.S.A.)
14:00-14:10	AO09-1	The preventive effects of statin on lung cancer development in patients with idiopathic pulmonary fibrosis using National Health Insurance Service Database in Korea
	AUU9-1	Yoo Jung Lee (Republic of Korea)*, Junghyun Nam, Eung Gu Lee, Jiwon Ryoo, Soon Seog Kwon, Yong Hyun Kim, Hye Seon Kang
1/10 1/10	4000.3	Health-related quality of life in a multi-ethnic Asian interstitial lung disease cohort
14:10-14:20	A009-2	Gin Tsen Chai (Singapore)*, Geak Poh Tan, Grace Phua, Hwee Pin Phua, Wei-Yen Lim, Han Yee Neo
17:20 17:20	4000.3	Monitoring of cough in patients with ILD by smartphone application: Preliminary results
14:20-14:30	A009-3	Jong Sun Park (Republic of Korea)*, Byoung Soo Kwon, Cathering Song, Jiyoung Jung
	4000 6	Prognostic implication of 1-year decline in diffusing capacity in newly diagnosed IPF
14:30-14:40	A009-4	Hyeonsu Lee (Republic of Korea)*, Jimyung Park, Sun Mi Choi
14:40-14:50	A009-5	Clinical characteristics and outcomes of hypersensitivity pneumonitis in South Korea
14.40-14.50		Sungmin Zo (Republic of Korea)*, Man Pyo Chung, Hongseok Yoo
17.50 15.00	A009-6	The incidence and risk factors of persistent pulmonary fibrotic change after COVID-19 infection.
14:50-15:00		Yongjae Choi (Republic of Korea)*, Ganghee Chae, Chui Yong Park, Jin Hyoung Kim, Kwang Won Seo, Seung Won Ra, Jong Joon Ahn, Yangjin Jegal
45,00 45,40	4000 7	Quantitative evaluation of changes in three-dimensional CT density distributions in pulmonary alveolar proteinosis after GM-CSF inhalation
15:00-15:10	A009-7	Miku Oda (Japan)*, Kentaro Yamaura, Haruyuki Ishi, Hirofumi Nonaka, Takahiro Tanaka, Yoshikazu Inoue, Shinya Ohkouchi, Nobutaka Kitamura, Koh Nakata
15:10-15:20	A009-8	Acute exacerbation of progressive fibrosing interstitial lung disease: incidence and outcomes
10.10 10.20	7,000	Jiyoul Yang (Republic of Korea)*, Jin Woo Song
15:20-15:30	A009-9	Impact of non-tuberculous mycobacterial pulmonary disease on clinical outcomes in idiopathic pulmonary fibrosis: a landmark analysis
13.20 13.30	7,005 5	Jin-Young Huh (Republic of Korea)*, Sehee Kim, Kyung-Wook Jo, Tae Sun Shim, Jin Woo Song

Oral 10		15:50-17:20	Grand Ballroom 105 (1F)
COPD			
Chair	Ji-Hyun Le	ee (CHA University, Republic of Korea)	
15:50-16:00	A010-1	Developing and Validating the NEAR Models for Integrat the 30-day Re-exacerbation and Readmission in Patient Acute Exacerbation of COPD in China	
		Ye Wang (China (Mainland))*, Ruoxi He, Xiaoxia Ren, Ke Huang Ting Yang, Chen Wang	ı, Fen Dong, Jieping Lei,
16:00 16:10	A010-2	Validation and optimization of COPD population screene Chinese population: A national multicenter study	er questionnaire (COPD-PS) in
16:00-16:10		Yan Chen (China (Mainland))*, Zijie Zhan, Yiming Ma, Yahong O Jungang Xie, Haijin Zhao, Anping Xu, Kun Peng, Gang Wang, Q	
16:10-16:20	16:10-16:20 A010-3	Clinical characteristics of tuberculosis-destroyed lung could pulmonary disease	hronic obstructive
		Tai Joon An (Republic of Korea)*, Seohyun Kim, Jeong-Uk Lim	n, Chan Kwon Park, Hyoung-Kyu Yoon
16:20-16:30	A010-4	Heart-rate recovery immediately after exercise is useful chronic obstructive pulmonary disease when spirometry	•
16.20-16.30		Shih-Yu Chen (Taiwan)*, Chun-Kai Huang, Chia-Ling Wu, Hui- Jung-Yien Chien	-Chuan Peng, Chong-Jen Yu,
16:30-16:40 A010-5	Evaluation of the effectiveness of the advanced Evidence Programme – Bundle of care to prevent CC		
	A010-5	P K Maggie Lit (Hong Kong)*, S W Ng, C E Tai, YHG Chan, MC K L Cheng, Y M Lee, CML Li, K M Mak, KYR Lau, C Y Pong, K F C SLE Wong, KCH Lam	
16:40-16:50	A010-6	Mobile application based pulmonary rehabilitation in par pulmonary disease	tients with chronic obstructive
		Chiwook Chung (Republic of Korea)*, Min-Woo Jo, Sei Won L	ee
16:50-17:00	A010-7	Prognostication using the severity classification based of exacerbation of chronic obstructive pulmonary disease	on Rome proposal for acute
		Hyo Jin Lee (Republic of Korea)*, Hyun Woo Lee, Jung-Kyu Le Deog Kyeom Kim	ee, Tae Yeon Park, Eun Young Heo,
17:00-17:10	A010-8	Association between depression and anxiety index and the chronic obstructive pulmonary disease.	frequency of acute exacerbation in
		Yu Jin Hong (Republic of Korea)*, Ki-Suck Jung, Kwang Ha Yo	o, Chin Kook Rhee, Joon Young Choi



Oral 11		15:50-17:20 ASEM Ballroom 202+203 (28
Critical Care	Medicine - C	DVID
Chair	Chi Ryang	Chung (Sungkyunkwan University School of Medicine, Republic of Korea)
	A011-1	Clinical characteristics and risks to mortality among severe patients with COVID-19 from B.1.617.2 (Delta) variant
15:50-16:00		Giap Vu Van (Viet Nam)*, Thanh Do Van, Toshie Manabe, Vuong Nong Minh, Yuji Fujikura, Dung Pha Cuong Do Duy, Nguyen Nguyen Trung, Thai Nguyen Quoc, Thanh Dong Van, Chinh Luong Quoc, Dan Kambayashi, Anh Hoang Viet, Nhan Vu Van, Giang Trinh Kim, Son Do Ngoc, Chi Nguyen Van, Tuan Dang Quoc, Koichiro Kudo, Co Dao Xuan
46.00.46.40	A011-2	The Utility of Estimating the Shunt Fraction of Critical Patients with COVID-19 in determining the outcome of High Flow Nasal Cannula at Lung Center of the Philippines, a pilot study.
16:00-16:10		Sheila Grail Ganangan-Mandaiyas (Philippines)*, Marvic Raymond Gabitan, Dennis Teo, Newel Nacpil
	AO11-3	Extracorporeal membrane oxygenation or prone positioning for COVID-19 acute respiratory distress syndrome: a prospective multicenter observational study
16:10-16:20		Won-Young Kim (Republic of Korea)*, Ganghee Chae, Chi Ryang Chung, Young-Jae Cho, Jinwoo Lee, Yangjin Jegal, Junghyun Kim, Joon-Sung Joh, Tae Yun Park, Jung Hwa Hwang, Bo Da Nam, Jin Woo Song
16,00 16,00	A011-4	'Radiological Phenotypes' in Covid-19 Pneumonia: Retrospective, Multicentric study of 6000 cases in tertiary care setting in India
16:20-16:30		Shital Patil (India)*, Rajesh Patil, Gajanan Gondhali, Laxman Kasture, Uttreshwar Dhumal, Ganesh Narwade, Abhijit Acharya
	A011-5	Comparison of pulmonary fibrosis between delta and non-delta variant periods in critically ill patients with SARS-CoV-2: A multicenter observational study in South Korea
16:30-16:40		Jung-Wan Yoo (Republic of Korea)*, Ganghee Chae, Won-Young Kim, Chi Ryang Chung, Young-Jae Cho, Jinwoo Lee, Yangjin Jegal, Junghyun Kim, Joon-Sung Joh, Tae Yun Park, Ae-Rin Baek, Joo Hun Park, Bo Da Nam, Jung Hwa Hwang, Jin Woo Song
16:40-16:50	A011-6	Association of corticosteroid or paralytic use with mortality in patients with H1N1, non-H1N1/COVID-19, and COVID-19 acute respiratory distress syndrome: a nationwide cohort study
		Won-Young Kim (Republic of Korea)*, Kyoung-Eun Kwon, Sun-Young Jung, Moon Seong Baek, Hae In Jung
16:50-17:00	A011-7	Treatment outcomes and healthcare resource use in critically ill COVID-19 patients in Korea: a nationwide multi-center cohort study
		Woo Hyun Cho (Republic of Korea)*, Jin Ho Jang, Eunjeong Son, Doosoo Jeon, Yun Seong Kim, Taehwa Kim

POSTER EXHIBITION

Poster Exhibition	
Clinical Respira	tory Medicine
AP01-1	Effects of vaccination by age subgroup on the respiratory outcomes in patients with breakthrough COVID-19 infections
	Jieun Kang (Republic of Korea)*, Jiyeon Kang, Woo Jung Seo, So Hee Park, Hyung Koo Kang, Hyeon-Kyoung Koo, Hye Kyeong Park, Sung-Soon Lee
AP01-2	Association between ferritin serum level and oxygen supporting demand in COVID-19 patient during hospitalization
	Russilawati Russilawati (Indonesia)*, Irvan Medison, Elsa Purnama Sari, Masrul Basyar, Dewi Wahyu Fitrina, Afriani Afriani
AP01-3	Comparative Study of Clinical Outcomes of Severe and Critical COVID-19 Patients With and Without Hemoperfusion Admitted in a Referral Hospital
APU 1-3	Ralph Moses Royeca (Philippines)*, Maebritt Wincent Tibubos, Glynna Ong-Cabrera, Paul Rilhelm Evangelista, Mary Claire Orden, Amor Patrice Estabillo, Ramon Mora
	Pulmonary function tests in the aftermath of covid infection in a cohort of national level athletes
AP01-4	Ruwanthi Jayasekara (Sri Lanka)*, Wijitha Nissanka, Rukmal Karunanayake, Lal Ekanayake, Suresh Chathurantha, Amitha Fernando
AP01-5	Tent using for MOTT patient undergoes antibiotics nebulizer to minimise environmental contamination under COVID 19 Pandemic
	Pui Chi Ling (Hong Kong)*, Chau Ho Kristy Chan, Mei Yu Chan, Sin Man Kerrie Leung
	Clinical Characteristics of COVID-19 between ICU and non-ICU patients
AP01-6	Tuan Muhammad Syukri Tuan Kob (Malaysia)*, Allim Khairuddin, Muhammad Syafiek Mohd Razali, M Ridhwan Abd Razak, Zahiah Abd Aziz, Juita Hassan, Muhammad Amin Ibrahim
	Pulmonary alveolar proteinosis after COVID-19 infection: a possible association.
AP01-7	Ayesha Jayawardana (Sri Lanka)*, Madushi Nanayakkara, Chandana Dahanayake, Malinda Hettiarachchi, Eshanth Perera
AP01-8	Clinical Outcome of Supervised Pulmonary Telerehabilitation Program among Adult Patients with Post-Acute COVID-19 Symptoms (PACS): A Case Series
	Nikko John Dalisay (Philippines)*, Bernice dela Cruz, Percival Punzal, Ma. Encarnita Limpin
AP01-9	PSI, CRB-65 and MuLBSTA scores for predicting severity and mortality among hospitalized COVID-19 Pneumonia patients at Chinese General Hospital and Medical Center
	Yonica Marie Dy (Philippines)*, Jamie Chua
AP01-10	Predictors of Poor Outcomes in Unvaccinated COVID Pneumonia Patients: A Retrospective Study
AI 0 I-10	Safa Shafee (Sri Lanka)*, Duminda Yasaratne, Arjuna Madagama, Nuwani Nissanka
AP01-11	Severe melioidosis after covid pneumonia: a chameleon to watch out
APU I- I I	Ruwanthi Jayasekara (Sri Lanka)*, Lakmini Dassanayake, Amitha Fernando



AP01-12	Dapsone induced Methemoglobinemia: A case of hypoxia overlooked in a patient during covid pandemic
	Sadia Sultana Resma (Bangladesh)*, Tazrin Farhana, Sheikh Shahinur Hossain, Kazi Saifuddin Bennoor, Mohammad Ferdous Wahid, Mohammad Ali Hossain, Fateh Akram
	Effect of excessive high-dose corticosteroids in patients with ARDS caused by COVID-19
AP01-13	Kyung-Eui Lee (Republic of Korea)*, Hyo-Jin Lee, Tae Yeon Park, Kwang Young Choi, Hyun Woo Lee, Jung-Kyu Lee, Deog Kyeom Kim, Eun Young Heo
AP01-14	An Observational Study of Demographic and Clinical Profile of COVID-19 Suspected Patients Attending in a Tertiary Care Hospital in Bangladesh
	K. M. Monir Hossain (Bangladesh)*, M. Haque Mollah, M. A. Jalil Ansari, Lubaib Manzoor, Humaira Tabassum
AP01-15	Clinical Profiles of COVID-19 Patients Associated with Acute Hypoxemic Respiratory Failure (AHRF requiring High Flow Nasal Cannula (HFNC) Therapy in a Tertiary Hospital in Metro Manila
	Angelica Pearl Reyes (Philippines)*, Patrick Gerald Moral, Isaias Lanzona
AP01-16	Physiotherapy practices when treating patients with COVID-19 during a pandemic: A survey study
APU 1- 10	Anthony Trojman (Australia)*, Judith Hough, Julie Hides, Louise Gustafsson, Orlando Flores, Jennifer Paratz
	Persistent hiccups: "An unsung presentation of Covid 19 pneumonia with delta variant"
AP01-17	Niranjan Chandramal (Sri Lanka)*, Asha Samaranayake, Sameera Gamlath, Arthihai Srirangan, Ravini Karunathilaka
ADO1 10	Immunosuppressant and SARS-CoV-2 vaccine antibody response after lung transplantation
AP01-18	Eun Jeong Choi (Republic of Korea)*, Hye Ju Yeo, Seung Eun Lee
AP01-19	Screening for respiratory disease abnormalities with cough sounds collected by smartphones: A prospective study
AP0 1- 19	Kyoung Min Moon (Republic of Korea)*, Ji-Ho Lee, JinHee Jeon, Choongki Min, Kyungnam Kim, Sanghoon Han, Taejin Kim, Myung Pyo Kim, Young Mi Park
AP01-20	Acute oxygen therapy: an audit of oxygen charting practices at a tertiary hospital in Sydney, Australia
	Dong Seok Yi (Australia)*, Ryan Kahn, Darrin Penola, Yasmina Serinel, Katrina O Tonga
AP01-21	The Efficacy of High Flow Nasal Cannula as First Line Oxygen Therapy in Patients with Acute Cardiogenic Pulmonary Edema: A Meta-Analysis
	Feliciano Jan Christian (Philippines)*, Dela Torre-Mangente Rachelle Kaye, Albay Albert
AP01-22	Heterogeneity of Asthma-Chronic obstructive pulmonary disease (COPD) overlap by comparison of ACO from severe asthma and COPD cohort
	Yong Suk Jo (Republic of Korea)*, Kwang Ha Yoo, Ki-Suck Jung, Hyoung Kyu Yoon, Chin Kook Rhee
A DO 1-22	Can Patients Achieve Sufficient Peak Inspiratory Flow Rate (PIFR) With Turbuhaler ® During Acute Exacerbation of Asthma?
AP01-23	Nur Azimah Mohd Rhazi (Malaysia)*, Jaya Muneswarao, Fatimatuazzahra Abdul Aziz, Baharudin Ibrahim, Azlan Kamalludin

AP01-24	Comparison Between Fractional Exhaled Nitric Oxide (FeNO) In Patients With Rheumatoid Arthritis And Normal Population
	Anas Mat Asis (Malaysia)*, Mohd Arif Mohd Zim, Hazlyna Baharuddin, Shereen Ch'ng Suyin, Muhammad Amin Ibrahim
AP01-25	Intrapleural fibrinolysis is non-inferior to surgery for management of pleural infection refractory to antibiotics and thoracostomy drainage
	Xinxin Hu (Australia)*, Bapti Roy, Peter Wu
AP01-26	A diagnostic dilemma of Tuberculous pleurisy in a patient with Systemic Lupus Erythematosus
AF01-20	Tharmini Ethirmannasingham (Sri Lanka)*, Ravini Karunathilaka, Monika De Silva, Sameera Gamlath
AP01-27	Catamenial pneumothorax in a young Sri Lankan female – An uncommon aetiology for recurrent pneumothorax
	Sameera Gamlath (Sri Lanka)*, Tharmini Ethirimannasingham, Malika Udugama
AP01-28	Bilateral chylothorax in a 63-year old Female: how come?
APU 1-28	Marelyn Jao (Philippines)*, Richmond Gregorio
AP01-29	"Fate of a TACE": A rare case of Empyema developed following Trans Arterial Chemo Embolization (TACE) for hepatocellular Carcinoma (HCC).
APU 1-29	Niranjan Chandramal (Sri Lanka)*, Chandana Dahanayaka, Madushi Nanayakkara, Ravini Karunathilaka, Eshanth Perera
AP01-30	A Case of Tuberous Sclerosis Complex-Associated Lymphangioleiomyomatosis presenting as Recurrent Seizures
	Camille Anne San Miguel (Philippines)*, Eloisa Trina Generoso
AP01-31	Pulmonary lymphangioleiomyomatosis and renal angiomyolipoma in a patient with systemic lupus erythematosus: A case report
	Jeong Suk Koh (Republic of Korea)*, Sina Oh, Chaeuk Chung
	Transudative chylothorax - a rare manifestation of liver cirrhosis with portal hypertension
AP01-32	Boon Hau Ng (Malaysia)*, Hsueh Jing Low, Andrea Yu-Lin Ban, Nik Nuratiqah Nik Abeed, Mohamed Faisal Abdul Hamid
AD04 22	Pulmonary sequestration in adult patients: a single-center retrospective study
AP01-33	Yan Hu (China (Mainland))*, Siying Ren, Lulu Yang, Ying Xiao
AP01-34	Metastatic pulmonary calcification: an exceptional complication associated with end-stage renal disease mimicking transbronchial infection
	Napat Jirawat (Thailand)*, Vorawut Thanthitaweewat
	Plastic bronchitis presenting as incessant sputum expectoration: a case report
AP01-35	Kriselle Felicia Lumunsad (Philippines)*, Emily Aventura, Christine Chavez, Jay Andrew Ilagan, Noel Michael Supremo, Annaleene Michelle Ferrater-Alcober, Mirasol Aboga-Pacheco
AP01-36	The interest of bronchoscopy in diagnosis of the patients with non-resolving pneumonia in Calmette Hospital, Phnom Penh, Cambodia
	Menghak Heng (Cambodia)*, Bunpaul Chhar, Sarin Chan, Chanty Ny, Mich Vann
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	M1 macrophages ameliorate pulmonary fibrosis and promote alveolar regeneration via paracrine action
AP02-67	Dongwook Cho (Republic of Korea)*, Ji-Young Kim, Suji Jeong, Seok-Ho Hong
	Conventional and Electronic Cigarettes Aggravate Inflamation in Rats Induced High-Fat Diet
AP02-68	Ahmad Alvin Noor Muchtar (Indonesia)*, Naufal Arif Ismail, Dwi Nur Ahsani
	Profibrotic role of high mobility group box1 in tuberculous pleural effusion
AP02-69	Wei-Lin Chen (Taiwan)*, Chi-Li Chung
AP02-70	Enhanced fatty-acid oxidation slows the contribution of AT2 stem cells in the lung repair proces after a fibrosis-inducing injury
	Ahmed E Hegab (Japan)*, Mari Ozaki, Shizuko Kagawa, Koichi Fukunaga
4 DOO = 1	In silico modification of TRPM8 ligand menthol
AP02-71	Eugene Borodin (Russia)*, Pavel Timkin, Eduard Timofeev
AP02-72	Myeloperoxidase activity and the percentage of neutrophils in the airways of patients with asthma depending on the airway responsiveness to physical stimuli
	Juliy Perelman (Russia)*, Aleksey Pirogov, Anna Prikhodko, Leonid Nakhamchen
AD02.72	PINK1 Preserves Pulmonary Endothelial Barrier Integrity in Human Pulmonary Microvascular Endothelial Cells
AP02-73	Junghyun Kim (Republic of Korea)*, Minhee Ha, Jisoo Park, So Young Lee, Jinhyung Huh, Se Hee Lee, Eun Kyung Kim, Ji Hyun Lee, Mi Ae Kim
	Single cell transcriptomics in blood of patients with COPD
AP02-74	Yeonjeong Heo (Republic of Korea)*, Jeeyoung Kim, Da Hye Moon, Jeongwon Heo, Yoonki Hong, Seok-Ho Hong, Seon-Sook Han, Seung-Joon Lee, Woo Jin Kim
linical Allergy	& Immunology
AD02 77	BioNTech (BNT) vaccine induced immune neuropathy
AP03-77	Nurgul Naurzvai (Turkey)*, Bekir Enes Demiryurek
	Anti Tuberculous Drugs, A double edged sward
AP03-78	Madhushi Nanayakkara (Sri Lanka)*, Chandana Dahanayaka, Samadara Nakalanda, Malinda Hettiarachchi, Eshanth Perera
nvironmenta	and Occupational Health and Epidemiology
	Lady with the Black lung; A case of Anthracosis associated with Pulmonary Tuberculosis
AP04-87	Chandana Dahanayake (Sri Lanka)*, Madhushi Nanayakkara, Ayesha Jayawardena, Sandaroo De Silva, Malinda Hettiarachchi, Eshanth Perera
AP04-88	Soil-Water Aspiration Pneumonia on Tin Miner: A Case Report
	Liyah Giovana (Indonesia)*, Radian Savani, Halim Thamrinkusdi, Febrina Adriani Purba

	Silicotuberculosis among indonesian underground gold miner: a case report
AP04-89	Malsephira Hasmeryasih (Indonesia)*, Agus Dwi Susanto, Erlang Samoedro, Feni fitriani Taufik,
	Triya Damayanti, Sita Andarini, Ratnawati Ratnawati, Budhi Antariksa
AP04-90	A Comparison of Atrial Fibrillation Incidence Among Physicians and the General Population
AI 04 30	Weisyun Hu (Taiwan)*
AP04-91	Comparison of respiratory symptoms among adults with versus without vaping, smoking, and dual-use: A cross-sectional study in a call center in quezon city
	Catherine Joy R Tubig (Philippines)*, MA. Encarnita B Limpin
AD0/ 02	Vaping Causes Lung Injury
AP04-92	Brendon Colaco (United States of America)*, Vichaya Arunthari
AP04-93	Racial/ethnic specific factors influencing cardiovascular symptoms of midlife women during the menopausal transition
	Wonshik Chee (United States of America)*, Eun-Ok Im
	Pulmonary function among rural residents in high air pollution area in northern Thailand
AP04-94	Pitchayapa Ruchiwit (Thailand)*, Narongkorn Saiphoklang, Kanyada Leelasittikul, Apiwat Pugongchai, Orapan Poachanukoon
AP04-95	Evaluation of enzyme-linked immunosorbent assay for diagnostic accuracy of Orientia tsutsugamushi
AP04-95	Yue-Ting Huang (China (Mainland))*, Yi-Ni Li, Chu-Ting Zhang, Xiang-Qing Shen, Pei-Ying Huang, Min Lin, Chun-Di Hu, Guo-Dong Zhu, Xu-Guang Guo
AP04-96	Cardiorespiratory Symptoms of Midlife Women During the Menopausal Transition: A Cluster Analysis
	Wonshik Chee (United States of America)*, Eun-Ok Im
ADO / 07	Arsenic concentration in drinking water and risk of lung cancer
AP04-97	Mohammad Imroz (India)*, Mohammad Azharuddin
ADO / 00	Lung function and serum c-reactive protein level of non-asthmatic amateur marathon runners
AP04-98	Siyu Dai (China (Mainland))*, Dingbo Shu, Fanjing Meng, Jianping Ding
AP04-99	Risk Factors of Pediatric Extrapulmonary Tuberculosis from Highly Urbanized Barangays within Cebu City Admitted at Chong Hua Hospital
7.11 0 7 00	Joseph Raevin Pelayo (Philippines)*, Sheena Cecilia Caputol-Dajab
Respiratory In	fections (non-tuberculous)
AP05-112	The clinical features and 6 month outcomes for SARS-CoV-2 patients in 2020 and 2021: A prospective cohort study in Sydney, Australia
	Titus Auyeung (Austrailia)*, William Lin, Teresa Louie, Vicky Chang,



AP05-113	Risk factors for Pulmonary Fibrosis Followed by Severe Pneumonia in Patients with COVID-19 infection: A Prospective Multi-Center Study
	Junghyun Kim (Republic of Korea)*, Ganghee Chae, Hee-Young, Yoon Won-Young Kim, Chi-Ryang Chung, Young-Jae Cho, Jinwoo Lee, Yangjin Jegal, Joon-Sung Joh, Tae Yun Park, Jung Hwa Hwang, Bo Da Nam, Jin Woo Song
AP05-114	Implication of admission eosinophil count and prognosis of Coronavirus disease 2019 (COVID-19 in elderly patients – A territory wide cohort study
	Wang Chun Kwok (Hong Kong)*, Yat Fung Shea, James Chung Man Ho, David CL Lam, Terence Chi Chun Tam, Anthony Raymond Tam, Mary Sau Man Ip, Ivan Fan Ngai Hung
AP05-115	Factors affecting Pulmonary and Cardiovascular Outcomes in Adult Covid-19 Confirmed Cases admitted at the Lung Center of the Philippines
	Aleli de Guzman-Pamplona (Philippines)*, John Paul Serafica, Glynna Ong-Cabrera, Marie Magno
AP05-116	PREDICTORS FOR SEVERITY OF CORONAVIRUS DISEASE 2019 (COVID-19) PNEUMONIA IN PATIENT ADMITTED AT A TERTIARY HOSPITAL IN CEBU CITY, PHILIPPINES: A RETROSPECTIVE SINGLE CENTER COHORT STUDY
	Rio May Llanes (Philippines)*, Karlo Mayol, Maria Teresa Canete, Neil Wayne Salces
AP05-117	Japan COVID-19 Task Force: a nation-wide consortium to elucidate host genetics of COVID-19 pandemic in Japan
	Ho Namkoong (Japan)*, Japan COVID-19 Task Force members
AP05-118	Chronic respiratory disease and resource utilization associated with diabetes mellitus in COVID-19 patients: A meta-analytic synthesis of observational studies
	Md Azharuddin (India)*, Manju Sharma
	Clinical characteristics and outcomes of COVID-19 infection in lung transplantation recipients
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AD12_E00	A rare case of Endobronchial Lipomatous Hamartoma		
AP12-598	Aravind Ram Manohar (India)*, Harikishan Gonuguntla, Roshan kumar Manoharlal, Don Gregory Mascarenhas		
AP12-599	When Two Is Not Better Than One: A case story of Two Hijab Pins		
AF 12-399	Nik Nuratiqah Nik Abeed (Malaysia)*, Boon Hau Ng, Yu Lin Andrea Ban, Mohamed Faisal Abdul Hamid		
AP12-600	Missed betel nut aspiration presenting as pneumomediastinum and subcutaneous emphysema in an excessive dynamic airway collapse patient.		
AP12-600	Nadiah Saqiinah Abdul Jalil (Malaysia)*, Anez Aslan, Jen Lye Wan, Noor Izyani Zakaria, Mona Zaria Nasaruddin, Jamalul Azizi Abdul Rahaman		



	A rare case of pleural sarcoma		
AP12-601	Don Gregory Mascarenhas (India)*, Harikishan Gonuguntla, Roshan kumar Manoharlal, Preethi Vidyasagar, Aravind Ram		
AP12-602	Lung adenocarcinoma diagnosed by pleuroscopy with flexible bronchoscopy in patient massive pleural effusion		
	Rifian Arnanda (Indonesia)*, Herry Priyanto, Novita Andayani, Yunita Arliny, Irmaini Irmaini, Fitri Dewi Ismida		
AP12-603	Rare Foreign Body in The Lung		
	Roshan kumar Manoharlal (India)*, Harikishan Gonuguntla, Don Gregory Mascarenhas, Sravani Reddy Munagala, Harshini Errabelli, Kishan Srikanth Juvva, Preethi Vidyasagar		
AD12 604	Hemothorax: A Limited Presentation of COVID-19		
AP12-604	Cut Asmaul Husna (Indonesia)*, Cut Asmaul Husna, Budi Yanti, Budi Yanti, Ferry Dwi Kurniawan		
AD40 COE	Individualised management of bronchopleural fistula : a case series		
AP12-605	Vishnu Gireesh (India)*, Sneha Tirpude, Mahavir Modi, Saumya Gupta		
	Through the looking glass: a case report of exogenous lipoid pneumonia in a 4-month old infant		
AP12-606	Pristine Marie C. Bernardo (Philippines)*, Marion O. Sanchez, Anna Marie S. Putulin, Anthony C. Calibo, Stephanie G. Balaoing		
AP12-607	Pneumonitis, Thoracic Lymphadenopathy and Black Bronchoalveolar Lavage in a Young Lady with Heavy Marijuana Smoking History		
	Nai-Chien Huan (Australia)*, Adrian Hernest, Siobhan Dormer, Sue Morey, Rajesh Thomas		
AP12-608	Retrograde Dilatation - a novel technique for complete tracheal stenosis management		
AP 12-008	Hari Kishan Gonuguntla (India)*, Preeti Vidyasagar Belgundi		
AP12-609	The Triple Terrific - The successful combination of blood patch, ambulatory pneumothorax device and talc pleurodesis in treating complex pneumothorax in a patient with underlying Systemic Sclerosis - Interstitial Lung Disease (Ssc-ILD).		
	Mas Fazlin Mohamad Jailaini (Malaysia)*, Mohamed Faisal Abdul Hamid, Andrea Yu-Lin Ban, Boon Hau Ng, Nik Nuratiqah Nik Abeed		
AD40 640	Endobronchial dieulafoy		
AP12-610	Jae Deog Ahn (Republic of Korea)*, Ho Joong Kim		
AP12-611	Utility of Bronchoscopy with Bronchoalveolar Lavage in Post Renal Transplant Patients Admitted at The National Kidney and Transplant Institute from January 2008 to December 2018		
	Allyce Joana de Leon (Philippines)*, Joann Kathleen Ginete-Garcia		
AD40 640	Airway foreign body - a preliminary report from a tertiary care referral hospital in Bangladesh		
AP12-612	Nirmal Kanti Sarkar (Bangladesh)*, Mohammad Anamul Hoque, Md. Mofizur Rahman Mia		

Respiratory St	tructure and Function			
AP14-634	Case of a 48 year-old male, with bronchopulmonary sequestration presenting with recurrent pneumonia			
	Zeara Anjelica Calma (Philippines)*, Catherine Jordan, Franklin Yu			
AP14-635	A Case Report on Subglottic Hemangioma on a 4-month-old Female Infant			
AF 14-033	Julienne Blaise Legaspi (Philippines)*			
AP14-636	Lung restriction in children with marfan syndrome and severe scoliosis: a case report			
AF 14-030	Melda Warliani (Indonesia)*, Andi Amirah Shaleha			
	A rare manifestation of benign tumour: Endobronchial hamartoma			
AP14-637	Noor Izyani Zakaria (Malaysia)*, Jin Lee Lim, Syazatul Syakirin Sirol Aflah, Anez Aslan, Jen Lye Wan, Mona Zaria Nasarudin, Jamalul Azizi Abdul Rahman			
AP14-638	Stubborn Right Sided Pleural Effusion: A Case Report			
AF 14-030	Michelle Angela Tan-Reyes (Philippines)*			
AP14-639	Improvement of peak cough flow score in post-stroke with Guillain-Barr -syndrome patient			
AF 14-033	Putri Alfaridy Lubis (Indonesia)*, Laurentia Cindy Gani Wijaya, Dian Marta Sari			
AP14-640	Reconstructive Airway Surgery in a Penetrating Neck Trauma with Laryngotracheal Injury: Achieving an Adequate Airway, Voice, and Swallowing Outcomes			
	Khoirul Anam (Indonesia)*, Fauziah Fardizza, Bambang Hermani			
AP14-641	One More Chance: A Case of Recurrent Congenital Diaphragmatic Hernia			
AI 14 041	Adjenli Khan (Philippines)*, Mareil Bitoon, Margarett Anne Habawel, Tito Apollo Quitoriano			
Pulmonary Cir	culation			
AP15-646	Acute right lung abscess secondary to pulmonary thromboembolism with left lower limb deep vein thrombosis in a case of left-sided cerebrovascular accident			
	Anish R (India)*, Kriti Agarwal, Anjali Kamath			
	Pulmonary embolism as a clinical manifestation of hematogenic thrombophilia			
AP15-647	Tatiana Luchnikova (Russia)*, Valerii Voitsekhovsky, Tatiana Zabolotskikh, Olga Prikhodko, Irina Sayapina, Irina Kostrova, Elena Romantsova			
AP15-648	Incidental Finding of CTEPH in a Patient Presenting with Seizure, Acquired Arteriovenous Fistula, and Obstructive Sleep Apnea			
	Aprille Anne Octaviano (Philippines)*, Franklin Yu			
ΔP15-64Q	"Double edged sword"; Bilateral Mycotic Pulmonary Artery Aneurysm with Acute Deep Venous Thrombosis Presenting With Massive Hemoptysis with Marfanoid Features			
AP15-649	Catherine Joy Tubig (Philippines)* Sherwina Juliani Lucas Emir Sheik Saturinas Eernando Avuvao			

Catherine Joy Tubig (Philippines)*, Sherwina Juljani, Lucas Emir Sheik Saturinas, Fernando Ayuyao,

Maria Paz Mateo



10045 555	Interstitial lung abnormality in health screening examinees: prevalence and progression		
AP016-656	Jooae Choe (Republic of Korea)*, Ju Hyun Oh, Han Na Noh, Eun Jin Chae, Jin Woo Song		
AP016-657	Comparison of the efficacy of pirfenidone in patients with combined pulmonary fibrosis and emphysema and idiopathic pulmonary fibrosis without emphysema		
	Hye Ran Gwon (Republic of Korea)*, Song Yee Kim, Jong Sun Park, Moo Suk Park, on behalf of Korean ILD study group		
AP016-658	Pulmonary langerhans' cell histiocytosis in a non-smoker		
	Malika Udugama (Sri Lanka)*, Nirasha Jayathilaka, Bandu Gunasena		
AD046 650	A rare case of interstitial lung disease presenting with intractable shortness of breathing		
AP016-659	Sameera Gamlath (Sri Lanka)*, Tharmini Ethirimannasingham, Arthihai Srirangan, Ravini Karunathilake		
	Heading: Familial interstitial lung disease in four members of one family in Bangladesh A case serio		
AP016-660	Sadia Sultana Resma (Bangladesh)*, Kazi Saifuddin Bennoor, Tazrin Farhana, Sheikh Shahinur Hossain, Mohammad Ali Hossain, Abdus Shakur Khan, Ferdous Wahid		
AP016-661	Characteristics of dyspnea in patients with progressive fibrotic phenotype of interstitial lung diseases (ILD) associated with coronary heart disease (CHD).		
	Alexander Medvedev (Russia)*, Anver Abubikirov, Mikhail Chushkin, Larisa Masaeva, Evgeniy Smelev		
	An unusual presentation of a known entity - The great masquerader		
AP016-662	Sugeesha Wickramasinghe (United Kingdom)*, Syed Ahmad, Syed Mehdi, Mohommed Munavvar, Susan Kearney, Laxmi Narayan Gudur		
AP016-663	The triple trouble - severe connective tissue disease related interstittial lung disease complicate with pneumomediastinum and pulmonary embolism		
AP010-003	Sampath Liyanage (Sri Lanka)*, Harshana Bandara, Dawpadee Dharmasena, Saman Kularatne, Amila Rathnapala, Sumudu Palihawadana		
AP016-664	Case of Idiopathic pleuroparenchymal fibroelastosis with pneumomediastinum		
APU 10-004	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Madushanka Rathnayake		
AD016-66E	Rapidly progressive Interstitial Lung Disease (ILD) in a patient with features of Dermatomyositis - A case report		
AP016-665	Malinda Hettiarachchi (Sri Lanka)*, Dilanka Tilakaratne, Chandana Dahanayake, Madhushi Nanayakkara, Ayesha Jayawardhana, Samalie Perera, Sumudu Palihawadana, Eshanth Perera		
AP016-666	Lung cancer emerging in a case of fibrotic interstitial lung disease		
AI 0 10-000	Benjamin Gan (Malaysia)*, Syazatul Syakirin Sirol Aflah, Zuhanis Abdul Hamid		
AP016-665	Challenges in management of lung cancer coexisting with idiopathic pulmonary fibrosis		

AP016-668	Rituximab induced pneumonitis in a patient with Sero-positive Rheumatoid arthritis - A rare complication
	Sugeesha Wickramasinghe (United Kingdom)*, Saleel Punnilath, Thyusha Deveneni, Mohommed Munavvar, Syed Mehdi
AP016-669	Organizing pneumonia following neoadjuvant chemotherapy in a patient with breast carcinoma. A diagnostic challenge
	Madushanka Rathnayake (Sri Lanka)*, Lakmini Dassanayake, Ruvanthi Jayasekara, Amitha Fernando
AP016-670	A Rare Cause of Rapidly Progressive Respiratory Failure
	Vichaya Arunthari (United States of America)*, Brendon Colaco
AP016-671	A rare case of Combined pulmonary fibrosis and emphysema associated with systemic sclerosis
	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Madushanka Rathnayake, Ruwanthi Jayasekara
AP016-672	Methotrexate induced acute interstitial pneumonia in a patient with seronegative rheumatoid arthritis -a case report
	Yasith Abeysekera (Sri Lanka)*, Shifa Azher, Amila Rathnapala, Chandima Sapurugala
	A Lady with rough hands and a rash presenting with exertional shortness of breath
AP016-673	Chandana Dahanayake (Sri Lanka)*, Madhushi Nanayakkara, Ayesha Jayawardena, Sandaroo De Silva, Malinda Hettiarachchi, Eshanth Perera
AD046 67/	The tale of a dyspneic lady with cystic lungs. A case of primary Sj gren syndrome complicated with lymphoid interstitial pneumonia
AP016-674	Madushanka Rathnayake (Sri Lanka)*, Ruwani Perera, Sampath Liyanage, Sandamal Serasinghe, Ruvanthi Jayasekara, Amitha Fernando, Monika de Silva
AD045 575	Pleuroparenchymal fibroelastosis associated with invasive aspergillosis
AP016-676	Malika Udugama (Sri Lanka)*, Nirasha Jayathilaka, Bandu Gunasena
AP016-677	A case of a mixed connective tissue disease presenting with features of interstitial lung disease and underlying pulmonary tuberculosis
	Sameera Gamlath (Sri Lanka)*
AP016-678	Brigatinib induced severe interstitial pneumonitis
AFU 10-0/8	Dawpadee Dharmasena (United Kingdom)*, Sanka Vijayabandara, Osei Kankam, Agnes Hurter
AP016-679	Interstitial Lung Disease in association with Anti myositis antibodies: a series of 6 cases.
AFU 10-0/9	Gaurav Sahu (India)*, Alkesh Kumar Khurana, Abhishek Goyal, Sai Tej Pavirala, Bhupinder Kumar Rajak, Amit Singh
AP016-680	Diagnosis Dilemma: Pulmonary Veno-occlusive disease- A rare cause of pulmonary hypertension
AFU 10-000	Arthihai Srirangan (Sri Lanka)*, Niranjan Chandramal, Asha Samaranayake, Ravini Karunathilaka



AP016-681	Hemoptysis with progressive breathlessness in an otherwise healthy adult, a common presentation of a rare disease		
	Sanjeewa Malinda Hettiarachchi (Sri Lanka)*, Chandana Dahanayake, Madhushi Nanayakkara, Ayesha Jayawardana, Sumudu Palihawadana, Eshanth Perera		
AP016-682	Erasmus Syndrome: A Case Report and Review of Literature		
	Jan Michael Jesse Lomanta (Philippines)*, Mary Antonette Atienza, Juan Raphael Gonzales, Eric Jason Amante, Sheen Urquiza, Hanna Lucero-Orilaza, Joel Santiaguel		
AP016-683	Using antifibrotic drugs as an add-on treatment for lung fibrosis after Covid-19 infection: Two case reports from Vietnam		
	Huy Le Ngoc (Viet Nam)*, Luong Dinh Van, Ngoc Nguyen Thi Bich, Thinh Nguyen Hoang		
AP016-684	Prevalence and risk factors of uveitis in patients with newly diagnosed sarcoidosis in Korea		
APU 10-004	Jang Ho Lee (Republic of Korea)*, Jiyoul Yang, Junyeop Lee, Ho Cheol Kim		
AP016-685	Metastatic gastric signet ring cell carcinoma presenting as interstitial lung disease		
APU 10-085	Margie Angelica Sigue (Philippines)*, Daniel Tan, Roberto De Guzman, Katrina Luna, Renelene Macabeo		
AP016-686	The clinical efficacy of a Mixture of Ivy Leaf Extract and Coptidis rhizome in patients with idiopathic pulmonary fibrosis		
	Ji Hoon Jang (Republic of Korea)*, Hang-Jae Jang, Jae Ha Lee		
AP16-687	Description of Monocyte Counts and Interstitial Lung Disease: A Single ILD Referral Centre in Malaysia.		
	Jin Lee Lim (Malaysia)*, Normaszuhaila Ab Hamid, Noraishah Sulaiman, Syazatul Syakirin Sirol Aflah		

ORAL PRESENTATION

19 November

Oral 12		09:20-10:50	Grand Ballroom 104 (1F)
Asthma			
Chair	Tae-Hyun	g Kim (Hanyang University College of Medicine, Republic of Korea)	
09:20-09:30		CSN5 is involved in asthma via interaction with PD-L1	
	A012-1	An-Soo Jang (Republic of Korea)*, Seon-Muk Choi, Pureun-Haneul Lo Shinhee Park, Ae Rin Baek, Min-Hyeock Ahn	ee, Da Yeon Hwang,
09:30-09:40	AO12-2	Effects of human adipose tissue- and bone marrow-derived me airway inflammation and remodeling in a murine model of chro	
		Joon Young Choi (Republic of Korea)*, Jung Hur, Sora Jeon, Chang K	won Jung, Chin Kook Rhee
09:40-09:50	A012-3	Candidate miRNA genes as biomarker in allergic asthma diseas	se
09.40-09.50	AU 12-3	Halime Yildirim (Turkey)*, Ender Coskunpinar, Betul Akcesme, Sevgi	Kalkanli Tas, Engin Aynaci
00.50.40.00	A012-4	Septal deviation could be associated with the development of be nationwide cohort study	bronchial asthma: a
09:50-10:00		Jong Seung Kim (Republic of Korea)*, Sam Hyun Kwon, Jae Seok Jeo Jong-Hwan Lee, Sang Woo Yeom, Doo Hwan Kim, Yong Chul Lee	ong, Yeon Seok You,
10:00-10:10	A012-5	Montelukast and pranlukast related neuropsychiatric events in rhinitis	n adults with asthma and
		Jae-Woo Kwon (Republic of Korea Young-Woo Jo, Hyouk-Soo Kwon	, Joonhong Min, Young Her
10:10-10:20	AO12-6	Improvements of Clinical Symptoms and Lung Function in Asth Montelukast Therapy at Harum Melati Clinic, Pringsewu Regen Indonesia 2017-2020	
		Dimas Trend Pinaka Baladika (Indonesia)*, Retno Ariza Soeprihatin Jordy Oktobiannobel, Siti Indriyani, Diyan Ekawati, Adityo Wibowo	ii Soemarwoto, Hetti Rusmini,
10:20-10:30	A012-7	Selecting representative questions in Asthma Control Test	
		Min Seok Chang (Republic of Korea)*, Iseul Yu, Sunmin Park, Ji-Ho L Won-Yeon Lee, Suk Joong Yong, Sang-Baek Koh, Sang-Ha Kim	ee, Seok Jeong Lee,
10:30-10:40	AO12-8	Dupilumab improved lung function and reduced exacerbation moderate-to-severe asthma and prior exacerbations: LIBERTY	
		Chin Kook Rhee (Republic of Korea)*, Jonathan Corren, Mario Castro Marc Humbert, David M.G. Halpin, Arman Altincatal, Nami Pandit-Abid, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe	o, Jorge F. Maspero, , Xavier Soler, Shahid Siddiqui,



Oral 13		09:20-10:50	Grand Ballroom 105 (1F)	
Pulmonary C	irculation - \	/TE and PH (venous thromboembolism and pulmonary hypertension)		
Chair	Masayuki	Hanaoka (Japan)		
09:20-09:30	A013-1	Culin5/TRAF6/NF-kb/VEGF-mediated endothelial dysfunction aggravates hypoxic pulmonary hypertension		
		Lei Wang (China (Mainland))*, Jie Liu		
09:30-09:40	AO13-2	Combination of CARSKNKDC (CAR) peptide with sildenafil in the hypertension associated with emphysema induced by SU5416		
		Norihiko Goto (Japan)*, Yosuke Wada, Yoshiaki Kitaguchi, Masanori	i Yasuo, Masayuki Hanaoka	
00.40 00.50	4012.2	Clinical experiences of high-risk pulmonary thromboembolism membrane oxygenation in single institution	n receiving extracorporeal	
09:40-09:50	A013-3	Joonyong Jang (Republic of Korea)*, Bo Young Lee, Ki-Up Kim, Yang So-My Koo, Youngeun Jang, Wonho Chang	g-Ki Kim, Soo-taek Uh,	
	A013-4	Anticoagulation in Patients with Antiphospholipid Syndrome- Thromboembolism: A Nationwide Study	associated Venous	
09:50-10:00		Hun-Gyu Hwang (Republic of Korea)*, Ju Hyun Lee, Sang-A Kim, Ya Junshik Hong, Ho-Young Yhim, Soo-Mee Bang	ng-Ki Kim, Myung-Shin Kim,	
10:00-10:10	AO13-5	Correlation of pulmonary artery enlargement in chest CT with I admitted at Manila Doctors Hospital from March-August 2020:		
, , , , , , , , , , , , , , , , , , , ,	7.0133	Olivia Faye Listanco (Philippines)*, Jhakelinn Veericah Galang, Albe	rt Albay Jr	
	A013-6	Independent Predictors of Pulmonary Embolism in Severe SA	RS-CoV-2	
10:10-10:20		Aisya Natasya Musa (Malaysia)*, Mohd Shahril Ahmad Saman, Bus Roqiah Fatmawati Abdul Kadir, Natasha Mohd Arifin, Aida Abdul Aziz		
		Submassive Pulmonary Embolism Case Series - A Single Tertia	ary Centre Experience	
10:20-10:30	A013-7	Hui Xin Tan (Malaysia)*, Nurafna binti Mohd Jaafar, Syaza Naqibah N Yen Shen Wong, Mohd Zhafran Zainal Abidin, Muhammad Amin Ibra Mohd Arif Mohd Zim		
10:30-10:40	AO13-8	Clinical characteristics and outcomes of pulmonary hypertens right heart catheterization in Thailand: 5-year retrospective s		
10.00 10.10		Nichanun Chiansirikraivuti (Thailand)*, Tunlanut Sapankaew, Patta	arin Pirompanich	

Oral 14		09:20-10:50	ASEM Ballroom 202+203 (2F)
Critical Care	Medicine - N	on-covid	
Chair	Young-Ja	e Cho (Seoul National University College of Medicine,	Republic of Korea)
		Association of Clonal Hematopoiesis of Indeto Acute Respiratory Distress Syndrome	erminate Potential with Increased Risk of
09:20-09:30	A014-1	Eunhye Bae (Republic of Korea)*, Jung-Ki Yoon, Si Nakwon Kwak, Sun Mi Choi, Jinwoo Lee, Young Sik Sang-Min Lee	, , , , , , , , , , , , , , , , , , , ,
		Diaphragm thickening fraction for predicting	weaning success in COPD patients
09:30-09:40	A014-2	Pongpat Klumusuk (Thailand)*, Apichart Kanitsa Narongkorn Saiphoklang, Thiti Sricharoenchai	p, Pattarin Pirompanich, Pitchayapa Ruchiwit,
		Association between mechanical power and i use of neuromuscular blockade in patients ur	
09:40-09:50	A014-3	Jae Kyeom Sim (Republic of Korea)*, Sang-Min L Young Sam Kim, Yun Seong Kim, Won-Yeon Lee, S Yun Su Sim, Kwangha Lee, Yeon Joo Lee, Jin Hwa I Ji Young Hong, Won Jun Song, Gee Young Suh	Sunghoon Park, So Young Park, Ju-Hee Park,
00:50 10:00	A014-4	Influences of do-not-resuscitate orders and p of patients in the medical intensive care unit	physician orders for life-sustaining treatment
09:50-10:00		Song-I Lee (Republic of Korea)*, Chaeuk Chung, D Jeong Eun Lee	Dongil Park, Da Hyun Kang, Ye-Rin Ju,
10:00-10:10	A014-5	Mechanical ventilation in idiopathic pulmonal a nationwide population-based study	ry fibrosis patients in Korea:
		Jae Kyeom Sim (Republic of Korea)*, Seok Joo M	loon, Jae Jeong Shim
10:10 10:20	A014 6	The impact of early sedation depth on clinical in Korean intensive care units	l outcomes in mechanically ventilated patients
10:10-10:20	A014-6	Dong-gon Hyun (Republic of Korea)*, Jee Hwan A Chae-Man Lim	Ahn, Ha-Yeong Gil, Chung Mo Nam, Choa Yun,
10:20-10:30	AO1/ 7	Endothelial Fgfr1 deficiency worsen LPS indu	iced ALI/ARDS.
10.20-10.30	A014-7	Yue Deng (China (Mainland))*, Yan Hu, Bisen Ding,	, Chen Wang
10:20 10:70	401/ 0	A survey of the awareness and understanding critically ill patients	g of healthcare staff on rehabilitation for
10:30-10:40	A014-8	Won Jin Lee (Republic of Korea)*, Eunjeong Son, . Hye Ju Yeo, Woo Hyun Cho, Seung Eun Lee, Yun S	



Oral 15		11:10-12:40	Grand Ballroom 103
Respiratory I	Infections (n	on-tuberculous) - Covid-19 infection - Treatment and	Post recovery
Chair	Do-Jin Kir	n (Soonchunhyang University College of Medicine, Repub	olic of Korea)
11:10-11:20	A015-1	A community-base pulmonary rehabilitation pro Coronavirus 2019 (COVID-19)	gramme for the elderly recovered from
		Ching Man Tiffany Choi (Hong Kong)*, Kin Kenneth	Au Yeung, Kwok Cheong George Wong
		Steroid and/or Antifibrotic Treatment on Improv	ement of Post Covid Lung Function
11:20-11:30	A015-2	Ahmed Masum (Bangladesh)*, Md Zahir Kamruzzam Kayesh A J M Emrul, Hoshen Mohammad Shahdat, Kh	
11.20 11.70	AO1E 3	Remdesivir Efficacy in Coronavirus Disease: A Ra	andomized trial
11:30-11:40	A015-3	Ibrahim Salaheldin Ibrahim (Egypt)*, Mohammed h	antera, Mohammed Tork, Sherif Abdelslam
		Combining Fluvoxamine with Bromhexine prever with mild to moderate symptomatic SARS-CoV-2	•
11:40-11:50	A015-4	Dhammika Leshan Wannigama (Thailand)*, Camer Peter N Monk, Shuichi Abe, Paul G. Higgins, Katika Akk Kanokpoj Chanpiwat, Angela M. Reiersen, Farid Jalali, S Parichart Hongsing, Tanittha Chatsuwan	silp, Natchalaikorn Sirichumroonwit,
11:50-12:00	AO15-5	Different treatment response to systemic cortico counts in severe COVID-19 patients	osteroids according to white blood cell
11:50-12:00		Kwang Yong Choi (Republic of Korea)*, Dong Hyun K Tae Yun Park, Borim Ryu, Jung-Kyu Lee, Eun Young He	- · · · · · · · · · · · · · · · · · · ·
12:00-12:10	A015-6	The effect of nintedanib in post-COVID-19 lung f	ibrosis: an observational study
12.00-12.10		Pimchanok Patanayindee (Thailand)*, Narongkorn S	Saiphoklang, Pitchayapa Ruchiwit
12:10-12:20	A015-7	Short Term Effects in Pulmonary Function and Cl Tomography Scan Among COVID-19 Recovered A Davao City	
		Benjo Ato (Philippines)*, Christoper John Quadra, Jes Al Patrick Alajas	sie Orcasitas, Maria Theresa Sanchez,
12:20-12:30	AO15-8	Characteristics, Management, and Outcomes of Private Hospital in Naga City, Camarines Sur: A R	
		Angelo Roleo Battung (Philippines)*, James Omana,	Jose Manuel Ranola III
		Methyprednisolone versus Dexamethasone for s A retrospective comparative analysis of our early	
12:30-12:40	AO15-9	Chun Ian Soo (Malaysia)*, Khai Vern Poon, Atiqah Ayu Jia Juin Kenneth Loh, Chai Hui Carolyn Eng, Leng Cher Thian Chee Loh, Vijayan Munusamy, Mau Ern Poh, Jiur Chong Kin Liam, Chee Kuan Wong	ng Sia, Nur Husna Ibrahim, Ka Kiat Chin,

Oral 16		11:10-12:40	Grand Ballroom 104 (1F)
Tuberculosis	- Tuberculos	s and Others	
Chair	Joonsung	Joh (National Medical Center, Republic of Korea)	
	A016-1	Comparison between phenotypic and whole-genotesting in multi-drug resistant Mycobacterium tu	
11:10-11:20		Seung Heon Lee (Republic of Korea)*, Jee Youn Oh, Ta Sungweon Ryu, Hyung Seok Kang, Jungmin Choi, Shini Yon Ju Ryu, Yong Il Hwang, Jaekap Lee	
11:20-11:30	A016-2	False positive rifampicin resistant results by Xper Singapore Tuberculosis Control Unit	t MTB/RIF point-of-care testing at the
		Caroline Victoria Choong (Singapore)*, Jerlyn Huixia	n Woo, Lovel Galamay, Cynthia Bin Eng Chee
11:30-11:40	A016-3	Frequency and probe distribution of rpoB mutation Tuberculosis Control Unit Singapore	ons detected by Xpert MTB/RIF in
		Jerlyn Huixian Woo (Singapore)*, Caroline Victoria Ch	noong, Lovel Galamay, Cynthia Bin Eng Chee
	A016-4	Minimum Inhibitory Concentration of Bedaquiline Mycobacterium Tuberculosis clinical isolates in Ko	
11:40-11:50		Hee Joo Lee (Republic of Korea)*, Seungmo Kim, Hwi- Hyeon-Su Kim, Jong-Myun Song, Dae-Seon Han, Hong Sujin Chae, Gyeongin Lee, Seung-Heon Lee, Hyejin Kim	su Jeong, Sodan Nam, Choi Jimin,
11,50 10,00	A016-5	Isoniazid-resistant tuberculosis is associated with multicenter cohort study of pulmonary tuberculo	
11:50-12:00		Jiwon Ryoo (Republic of Korea)*, Yeonhee Park, Ju Sal Jin Woo Kim, Yong Hyun Kim, Sang Haak Lee, Jinsoo M	
12:00-12:10	A016-6	The proportion of latent tuberculosis infection us household contact with drug-resistant tuberculos Preliminary report	•
		Cahyo Guntoro (Indonesia)*, Fathiyah Isbaniah, Heidy	Agustin
12:10-12:20	A016-7	Cardiac dysfunction in Active Pulmonary Tubercu Interventional study in tertiary care setting in Ind	
		Shital Patil (India)*, Rajesh Patil, Gajanan Gondhali, Lax	rman Kasture, Abhijit Acharya
		Nutritional Status of Hospitalized Tuberculosis Pa	tients In South Kalimantan, Indonesia
12:20-12:30	A016-8	Elok Hikmatun Nikmah (Indonesia)*, Mohammad Isa Haryati Haryati, Erna Kusumawardhani, Desi Rahmawa	
12:30-12:40	AO16-9	Clinical Profile and Outcomes of Covid 19 Patients Tuberculosis: A Cross Sectional Study at Veterans	•
12:30-12:40	7.0 10 3	Geramie Acebuque (Philippines)*, Chona De Vera	



Oral 17		11:10-12:40 Grand Ballroom 105 (
Lung Cancer	- Treatment	and Biomarker
Chair	Seung Hu	In Jang (Hallym University College of Medicine, Republic of Korea)
	Identification of predictive factors for early relapse in patients with unresect NSCLC receiving consolidation durvalumab after concurrent chemoradiation	
11:10-11:20	A017-1	Jung Hyun Nam (Republic of Korea)*, Chang Dong Yeo, Chan Kwon Park, Sung Kyoung Kim, Ju Sang Kim, Yong Hyun Kim, Jin Woo Kim, Seung Joon Kim, Sang Hak Lee, Hye Seon Kang
		Evaluation of Blood Tumor Mutation Burden for Efficacy of Second- Line Atezolizumab Treatment in Non-small Cell Lung Cancer: BUDDY trial
11:20-11:30	A017-2	Cheol-Kyu Park (Republic of Korea)*, Ha Ra Jun, Hyung-Joo Oh, Ji-Young Lee, Hyun-Ju Cho, Young-Chul Kim, Jeong Eun Lee, Sung Hoon Yoon, Chang Min Choi, Jae Chul Lee, Sung Yong Lee, Shin Yup Lee, Sung-Min Chun, In-Jae Oh
		Soluble PD-L1 levels correlate with efficacy of PD-1/PD-L1 inhibitors in lung cancer
11:30-11:40	A017-3	Da Hyun Kang (Republic of Korea)*, Jeong Suk Koh, Chaeuk Chung, Dongil Park, Song-I Lee, Jeong Eun Lee
44.70.44.50	A017-4	Real-world analysis of the EGFR T790M mutation in plasma and tissue biopsy from advanced non-small cell lung cancer
11:40-11:50		Eun Hye Lee (Republic of Korea)*, Se Hyun Kwak, Chi young Kim, Sang Hoon Lee, Eun Young Kim, Yoon Soo Chang
11:50-12:00	A017-5	Clinicopathologic characteristics of NSCLC patients with uncommon EGFR mutations in Korea
11.50-12.00		Hye Seon Kang (Republic of Korea)*, Kyu Yeon Kim, Jeong Uk Lim, Chang Dong Yeo, Ju Sang Kim, Seung Joon Kim, Sang Haak Lee
12:00 12:10	A017.6	The clinical outcomes of different first-line treatment strategies in advanced non-small cell lung cancer patients with EGFR exon 20 insertion mutation
12:00-12:10	A017-6	Wei-Fan Ou (Taiwan)*, Yen-Hsiang Huang, Kuo-Hsuan Hsu, Jeng-Sen Tseng, Po-Hsin Lee, Tsung-Ying Yang
		Never-smoker small cell lung cancer had better chemotherapeutic response than smoke
12:10-12:20	A017-7	Ha-Young Park (Republic of Korea)*, Hyung-Joo Oh, Bo Gun Kho, Hong-Jun Shin, Cheol Kyu Park, Yu-II Kim, Young-Chul Kim, Taebum Lee, Yoo-Duk Choi, In-Jae Oh
12:20 42:20	A047.0	Prognostic values of baseline pulmonary functions in patients with non-small cell lung cancer under immunotherapy
12:20-12:30	AO17-8	Jeong Uk Lim (Republic of Korea)*, Hye Seon Kang, Chang Dong Yeo, Ju Sang Kim, Chan Kwon Park, Jin Woo Kim, Seung Joon Kim, Sang Haak Lee

Oral 18		14:00-15:30	Grand Ballroom 103 (1F)
Environment	al & Occupat	tional Health and Epidemiology	
Chair	Jun-Pyo N	Iyong (The Catholic University of Korea College of Medicine, Republi	c of Korea)
14:00-14:10	AO18-1	Clinical Profile of COVID-19 Vaccinated Individuals who Deve A Systematic Review	eloped Breakthrough Infections:
		Stephanie Palacios (Philippines)*, Glenford Refre, Patricio Palme:	S
		Involvement of RAGE and oxidative stress in chronic inflam	mation
14:10-14:20	A018-2	Jimin Jang (Republic of Korea)*, Jooyeon Lee, Hyosin Baek, Jaehy Se Bi Lee, Se-Ran Yang	yun Park, Sang-Ryul Cha,
14:40-14:50	AO18-3	Combined association of climatic change, air pollution, and of respiratory diseases in 6-month-old infants	green space exposure with risk
14.40-14.50	AU 18-3	Ji-Young Lee (Republic of Korea)*, Eunji Lee, Jongmin Oh, Dirga K Yun-Chul Hong, Hye-Sook Park, Yanho Kim, Mina Ha, Eunhee Ha,	
14:50-15:00	AO18-4	Priming with cytokine B enhances therapeutic capacities of n lung injury (ALI)	nesenchymal stem cells in acute
14.50-15.00		Jooyeon Lee (Republic of Korea)*, Hyosin Baek, Jimin Jang, Jaehy Se Bi Lee, Se-Ran Yang	yun Park, Sang-Ryul Cha,
15:00-15:10	A018-5	Trends of five year ambient air pollutant levels and hospital viral infection in Korean children	ization rate due to respiratory
		Jung Yeon Shim (Republic of Korea)*, Hyung Gyu Park, Sinae Kim	n, Miyeon Lee
15:10-15:20	A018-6	Effects of PM2.5 exposure on early alveolar development a human pluripotent stem cell-derived alveolar organoid syst	
		Minje Kang (Republic of Korea)*, Seok-Ho Hong	
		Incidence of silicosis and dust exposure among small-scale	gold miners in Mongolia
15:20-15:30	AO18-7	Densenbal Dansran (Mongolia)*, Ichinnorov Dashtseren, Solongo Byambadolgor Dagviikhorol, Bayanmunkh Tseden	o Bandi, Naransukh Damiran,



Oral 19		14:00-15:30 Grand Ballroom 104 (1F
Tuberculosis	- Drug Resist	ant Tuberculosis
Chair	Yong Soo	Kwon (Chonnam National University Medical School, Republic of Korea)
14:00-14:10	AO19-1	Features of radiological signs in patients with multidrug-resistant \text{\text{\text{\text{W}}}} extensively drug-resistant pulmonary tuberculosis
14.00-14.10	AU 19-1	Dmytro Butov (Ukraine)*, Mykhailo Kuzhko, Mykola Gumeniuk, Nadiya Sapelnik, Olena Borysova, Tetiana Butova
14:10-14:20	AO19-2	Infiltrate lesion area as a predictor of the likelihood of drug resistance tuberculosis in Indonesia South Sumatera
14.10-14.20	AU 19-2	Alif Fathurrachman (Indonesia)*, Miyuki Sari, Zen Ahmad, Linda Andriani, Sudarto Sudarto, Roully Pasaribu, Ahmad Rasyid, Erial Bahar, Yusri Muhamad
		Effectiveness of the WHO short treatment (STR) Regimen of MDR-TB
14:20-14:30	AO19-3	Sadia Sultana Resma (Bangladesh)*, Naeem Hossain, Tazrin Farhana, Kazi Saifuddin Bennoor, Md Ali Hossain, Mustafijur Rahman, Sheikh Shahinur Hossain, Mohammad Abdus Shakur Khan
1,120,11,10	4040 (Treatment outcomes of multidrug-resistant tuberculosis with selective use of bedaquiline/delamanid guided by an expert committee: a nationwide cohort study in South Korea
14:30-14:40	A019-4	Yong-Soo Kwon (Republic of Korea)*, Jung En Shin, Hyungseok Kang, Doosoo Jeon, Jae-Joon Yim, Tae Sun Shim
	A019-5	Effectiveness and safety of Bedaquiline-based, modified shorter treatment regimen for Rifampicin resistant Tuberculosis in Vietnam
14:40-14:50		Thi Mai Phuong Nguyen (Viet Nam)*, Thi Hai Minh Le, Corinne Simone Collette Merle, Debora Pedrazzoli, Nhat Linh Nguyen, Tom Decroo, Binh Hoa Nguyen, Thi Thanh Thuy Hoang, Viet Nhung Nguyen
1 / - 50 1 - 50 1	4040.5	The myelosuppressive effect of linezolid among drug-resistant tuberculosis patients in Mongolia
14:50-15:00	AO19-6	Bolyskhan Baigabyl (Mongolia)*, Myadagmaa Jaalkhorol, Manaljav Tseden-Ish, Ichinnorov Dashtseren, Odgerel Tsogbadrakh
15:00-15:10	AO19-7	Ethionamide-induced hypothyroidism in drug-resistance tuberculosis children: how frequently does it happen?
		Citra Cesilia (Indonesia)*, Muh. Akbar Tirtosudiro, Heda Melinda N. Nataprawira
15:10-15:20	AO19-8	Sad TB lung: screening of anxiety and depression among multi drug resistant tuberculosis in a tertiary hospital
		Jodie Bancod (Philippines)*
15:20-15:30	AO10-0	Analysis of treatment success rates of drug resistant tuberculosis with all oral regimens in South sulawesi
13.20-15.30	AO19-9	Jamaluddin Madolangan (Indonesia)*, Irawaty Djaharuddin, Andi Julia Junus, Ratna Tahir, Uswatun Khasanah, Nurjanah Lihawa

Oral 20		14:00-15:30	Grand Ballroom 105 (1F)
Clinical Aller	gy & Immuno	ology	
Chair	Tae-Bum l	Kim (University of Ulsan College of Medicine, Republic of Korea)	
14:00-14:10	A020-1	Correlation of COVID-19 vaccine history and the duration of COVID-19 patients in Labuang baji hospital and Asrama haji	_
		Jamaluddin Madolangan (Indonesia)*, Irawaty Djaharuddin	
14:10-14:20	A020-2	Bronchial Thermoplasty or Biologics for Severe Asthma: A Systematic Review and Network Meta-Analysis	
		Pyng Lee (Singapore)*, Khi Yung Fong, Nicholas Syn, Joseph Zhao)
1/20 1/20	A020-3	The effectiveness of IL-6 and PD-1 antibody blockade combi model of sepsis	ination therapy in a murine
14:20-14:30		Song-I Lee (Republic of Korea)*, Nayoung Kim, Chaeuk Chung, Do Jeong Eun Lee	ngil Park, Da Hyun Kang,
		Severe asthma is associated with adverse COVID-19 outcom	nes
14:30-14:40	A020-4	Yong Chul Lee (Republic of Korea)*, Jae Seok Jeong, Hae Jin Park, Hee Jung Kim, Yeong Hun Choe, So Ri Kim	, Kyung Hwa Park,



Oral 21		14:00-15:30	ASEM Ballroom 202+203 (2F)
Respiratory I	Neurobiolog	y and Sleep	
Chair	Sang Haa	k Lee (The Catholic University of Korea College of Medicine, F	Republic of Korea)
14:00-14:10		Effects of chronic intermittent hypoxia on bleomycir elderly mouse model	n induced interstitial pulmonary fibrosis
14.00-14.10	A021-1	Heayon Lee (Republic of Korea)*, Sei Won Kim, Hwan Hee Chang Dong Yeo, Sang Haak Lee	e Kim, Sukjin Bae, In Kyoung Kim,
14:10-14:20	A021-2	Prevalence of cognitive impairment and the effect o (CPAP) towards cognition among patients with obstr	
14.10-14.20	AU2 1-2	Muhammad Farid Mohd Fauad (Malaysia)*, Ahmad Izua Noor Azleen Ahmad Tarmizi	anuddin Ismail, Shalini Bhaskar,
		Impact of change in CPAP initiation practice during 0 short-term adherence.	COVID-19 pandemic on acceptance and
14:20-14:30	A021-3	Yiting Tang (Singapore)*, Jonathan Teow Koon Goh, Hend Muhammad Nur Hakim Bin Abdul Rahim, Karen Chin, Kath Chu Qin Phua, Rui Ya Soh	9
14:30-14:40	A021-4	OSAHS can induce retinal microvascular abnormaliti	es
14.30-14.40		Yina Wang (China (Mainland))*, Silei Deng, Jingjie Kuan, X	iao Xiao, Liang Zhou
		Factors affecting CPAP adherence in Thai patients w	ith obstructive sleep apnea
14:40-14:50	A021-5	Narongkorn Saiphoklang (Thailand)*, Kanyada Leelasitt Shayada Suksupakit, Nithita Sattaratpaijit	ikul, Apiwat Pugongchai,
14:50-15:00	A021-6	Intermittent hypoxia up regulates mTOR expression CX3CL1/CX3CR1	in hepatic macrophages through
	7.021 0	Yayong Li (China (Mainland))*, Yina Wang	
15:00-15:10	A021 7	IH can induce apoptosis of macrophage	
15.00-15.10	A021-7	Yina Wang (China (Mainland))*, Jingjie Kuang, Silei Deng, X	Xiao Xiao, Yuanguo Chen, Yayong Li
15:10-15:20	A021-8	A systematic review and meta-analysis on the effica face-to-face consultations in promoting CPAP comp	•
	7.021.0	Brian Nelson Ong (Philippines)*, Ryan Martin Denopol, Ra	acquel Ibanez, Maria Cecilia Jocson

Oral 22		15:50-17:20	Grand Ballroom 103 (1F)
Respiratory	Infections (n	on-tuberculous) - NTM	
Chair	Jusang Ki	m (The Catholic University of Korea College of Medicine, Republi	ic of Korea)
15:50-16:00	A022-1	Risk factors for mortality and progressive disease of no lung disease: a systematic review and meta-analysis	ontuberculous mycobacterial
15.50-10.00	AU22-1	Hyeontaek Hwang (Republic of Korea)*, Jung-Kyu Lee, Eun Hyun Woo Lee	Young Heo, Deog Kyeom Kim,
10:00 10:10	4022.2	Risk of Mycobacterium avium complex-lung disease an single nucleotide polymorphisms in programmed cell d	
16:00-16:10	A022-2	Sheng-Wei Pan (Taiwan)*, Chin-Chung Shu, Jia-Yih Feng, La Jann-Yuan Wang, Wei-Juin Su, Yuh-Min Chen, Hao-Chien Wa	
46.40.46.00		Spatial analysis and population genomics study of Mycosouthern Taiwan	obacterium kansasii in
16:10-16:20	A022-3	Bo-Chen Liu (Taiwan)*, Hung-Ling Huang, Po-Liang Lu, Inn-\ Hsien-Ho Lin	Wen Chong, Jann-Yuan Wang,
45.00.45.00	A022-4	Another Step into the BACES: Validation of the Prognos Mycobacterial Pulmonary Disease	stic Score for Nontuberculous
16:20-16:30		Hyung-Jun Kim (Republic of Korea)*, Myung Jin Song, Byour Sung Yoon Lim, Yeon-Joo Lee, Jong Sun Park, Young-Jae Cho	
16:30-16:40	A022-5	Nomogram for Predicting Mortality in Patients with Myco Pulmonary Disease	obacterium avium Complex
70.00 70.70	AOZZ 3	Sol Kim (Republic of Korea)*, Youngmok Park, Yoon Ho Noh,	Young Ae Kang
16:40-16:50	A022-6	The clinical characteristics of Mycobacterium fortuitum treatment outcomes	n pulmonary disease and the
		Sae Rom Kim (Republic of Korea)*, Byung Woo Jhun	
40:50 47:00	4000 7	Effect of computed tomography-measured body comp Mycobacterium avium complex pulmonary disease pati	
16:50-17:00	A022-7	Eun Ki Chung (Republic of Korea)*, Young Mok Park, Moo Su Jeong Lee, Young Ae Kang	ık Park, Young Sam Kim, Hye
17.00 17.10		Mediastinal masses and collections in culture-positive a 4-year review in northern Sabah, Borneo	melioidosis:
17:00-17:10	A022-8	Larry Ellee Nyanti (Malaysia)*, Amalina Abu Othman, Yen Lik Nur Siti Fatimah Mohamad Jamil, Hema Yamini Ramarmuty, k	
17:10-17:20	A022-9	A study on the relationship of differenct comorbidities changes in COVID-19 patients using minimally invasive	
	AOZZ 3	Animesh Ray (India)*	



Oral 23		15:50-17:20	Grand Ballroom 105 (1F)
COPD			
Chair	Chong-Jei	yu (Taiwan)	
15:50-16:00	AO23-1	Benefits of budesonide/glycopyrronium/formoterol for versus dual therapies in patients with COPD and addit post-hoc analysis of KRONOS and ETHOS	
		Munehiro Seki (Japan)*, Shigeo Muro, John R. Hurst, David Ayman Megally, Mehul Patel	Petullo, Patrick Darken,
	A023-2	Risk factors of disease progression in young patients	with COPD
16:00-16:10		Juye Bae (Republic of Korea)*, Hyun Woo Lee, Kwang Yong Tae Yeon Park, Deog Kyeom Kim, Eun Young Heo	Choi, Hyo-Jin Lee, Jung-Kyu Lee,
		Exercise performance on the prognosis of mild and m	oderate COPD
16:10-16:20	A023-3	Ji Won Park (Republic of Korea)*, Joo Hun Park, Ji Eun Park Chin Kook Rhee	k, Kwang Ha Yoo, Ki-Suck Jung,

Oral 24		15:50-17:20	ASEM Ballroom 202+203 (2F)
Bronchoscop	y and Interv	entional Techniques	
Chair	Kyung Joi	ng Lee (Sungkyunkwan University Sc	nool of Medicine, Republic of Korea)
15:50-16:00	A024-1	Safety and Efficacy of Transbro Fibrotic Lung Disease - "Biopsic	nchial Lung CrYO Biopsy vs Forceps Biopsy in diagnosis of es and Beyond"
		Umang Shah (India)*	
16:00-16:10	A024-2	Cryobiopsy for peripheral pulm without fluoroscopy	onary lesions using 1.1 mm cryoprobe and guide sheath
		Dongil Park (Republic of Korea)*,	Jeong Eun Lee, Chaeuk Chung, Da Hyun Kang
16:10-16:20	A024-3	Transbronchial biopsy by radia using a novel 1.1-mm diameter	probe endobronchial ultrasound followed by cryobiopsy cryoprobe
10.10 10.20	A024-3	Jung Seop Eom (Republic of Kore Kwangha Lee, Ki Uk Kim, Hye-Kyui	a)*, Soo Han Kim, Jeongha Mok, Mi Hyun Kim, Eun Jong Jo, ng Park, Min Ki Lee
16:20-16:30	A024-4		onal Intercostal Tube Drainage in Management of bangsaan Malaysia Medical Centre (UKMMC): A Pilot Study
10.20-10.30	AU24-4		sia)*, Azat Azrai Azmel, Andrea Yu-Lin Ban, Boon Hau Ng, Zulkifli Syed Zakaria, Mohamed Faisal Abdul Hamid
16:20 16:70	A024-5	The value of finer rigid medical spontaneous pneumothorax (F	thoracoscope in "APC-plus" for the treatment of primary SP)
16:30-16:40		Hua Zhang (China (Mainland))*, G Zongtao Liu, Changsheng Ge, Zhiç	uangwei Xue, Zhongmei Sun, Wei Zhang, Weiwei Xu, ang Zheng
	A024-6	Endobronchial valves for emph Asian Country	ysema and persistent air-leak: 9-year experience in one
16:40-16:50		_ :	a)*, Byeong-Ho Jeong, Ho il Yoon, Hojoong Kim, Young-Jae Cho, Iwan hee Kim, Seung Won Ra, Ye Jin Lee, Beong Ki Kim, i Won Lee
16:50 17:00	102/7	Feasibility and safety of pleura thoracoscopy	biopsy using rigid forceps in semi-rigid medical
16:50-17:00	A024-7	Ganghee Chae (Republic of Korea Kwang Won Seo, Jong Joon Ahn, T	n)*, Chuiyong Pak, Jin Hyoung Kim, Seung Won Ra, Yangjin Jegal, Kaehoon Lee
17:00-17:10	A024-8	Clinical outcomes of bronchoso 11-year experience of single co	opic cryotherapy for central airway obstruction in adults: nter
		Jong Hwan Jeong (Republic of K	orea)*, Wonjun Ji, Chang-Min Choi
		Trends and an online survey on used recently?	the use of rigid bronchoscopy in Korea: Too old style to be
17:10-17:20	A024-9	Young Sik Park, Jaeyoung Cho, Tae	orea)*, Sang Haak Lee, Hwan Hee Kim, Ho II Yoon, Jung Seop Eom, Phoon Lee, Seung Joon Kim, Hyeong Jun Cho, Chan Kwon Park, nghwan Kim, Wonjun Ji, Chang-Min Choi, Kihyun Seo,



POSTER EXHIBITION

inical Respir	atory Medicine
	Plastic bronchitis presenting as incessant sputum expectoration: a case report
AP01-37	Kriselle Felicia Lumunsad (Philippines)*, Emily Aventura, Christine Chavez, Jay Andrew Ilagan, Noel Michael Supremo, Annaleene Michelle Ferrater-Alcober, Mirasol Aboga-Pacheco
AP01-38	The interest of bronchoscopy in diagnosis of the patients with non-resolving pneumonia in Calmette Hospital, Phnom Penh, Cambodia
	Menghak Heng (Cambodia)*, Bunpaul Chhar, Sarin Chan, Chanty Ny, Mich Vann
	Rapidly growing tracheal granulation causing tracheal obstruction: a case report
AP01-39	Shun Takao (Japan)*, Shoshi Akieda, Ren Seike, Jun Yano, Shohei Mishima, Yusuke Takayama, Takahiro Mimae, Hiroyasu Shoda, Yoichi Hamai, Kentaro Tamura, Yasuo Iwamoto, Yoshihiro Miyata
AP01-40	An incidental finding of an endobronchial lesion.
410140	Wei Lien Rita Lai (Singapore)*, Kim Hoong Yap, Wei Keong Alan Ng
	Bronchial mass in meningioma patient: A case report and review of literature
AP01-41	Harik Firman Thahadian (Indonesia)*, Nur Rahmi Ananda, Ika Trisnawati, Heni Retnowulan, Bambang Sigit Riyanto, Eko Budiono, Sumardi Sumardi
	Pulmonary edema after propofol infusion in the operative and postoperative periods
AP01-42	Youngeun Jang (Republic of Korea)*, Ki Up Kim, Bo Young Lee, Soo-taek Uh, Yang Ki Kim, So My Koo, Se Yoon Park, Bo-Da Nam, Young-Woo Park, June Young Jang
AP01-43	Feasibility study of home-based Pulmonary Rehabilitation (PR) in Bangladesh
AFU 1-43	GM Monsur Habib (Bangladesh)*, Roberto Rabinovich, Nazim Uzzaman, Aftab Uddin, Hilary Pinnock
AP01-44	Effectiveness of an outpatient pulmonary rehabilitation program in patients with chronic obstructive lung diseases; a pilot study
APU 1-44	Mohamed Rikas (Sri Lanka)*, Chamoda Jayasinghe, Renuka Dasanayaka, Surangika Wadugodapitiya, Duminda Yasaratne
AP01-45	Patient's perception of Pulmonary Rehabilitation in Bangladesh
4701-45	GM Monsur Habib (Bangladesh)*, Roberto Rabinovich, Nazim Uzzaman, Aftab Uddin, Hilary Pinnock
AP01-46	A Case of Necrotizing Sarcoidosis with Reversible Cognitive Disorder and Mimicking Cushing syndrome
n: U 1 ⁻ 40	Yuka Nagae (Japan)*, Saeko Nagai, Ayako Ito, Touhei Yamaguchi, Nobuhisa Yonemitsu, Koujirou Nakao, Kouichiro Takemoto, Yuji Sagara, Hiroaki Senju, Misato Adachi, Yoshifumi Soejima
AP01-47	Guillain-Barre syndrome as a rare initial presentation of Antiphosphospholipid syndrome
17U I-4/	Nurgul Naurzvai (Turkey)*, Nurdan Kokturk, Bijen Nazliel, Melda Turkoglu
AP01-48	The Sleeping Giant Finally Awakens: Diagnostic and Therapeutic Dilemmas of A Large Solitary Fibrous Tumor of the Diaphragm
APU 1-46	Krista Mae Paulino (Philippines)*, Christina Uy

AP01-49	Low frame rate dynamic chest radiography as a tool for investigating diaphragm dysfunction
	Thomas Simon FitzMaurice (United Kingdom)*, Caroline McCann, Ram Bedi, Dilip Nazareth, Martin Walshaw
AP01-50	A lady with blistering skin rash and "Lungs on Fire"
	Niranjan Chandramal (Sri Lanka)*, Asha Samaranayake, Buddhika Alahakoon, Ananda Jayanaga, Harindra Karunathilaka, Ravini Karunathilaka
AP01-51	The impact of colony morphotype on clinical courses of patients with Mycobacterium avium complex pulmonary disease
	Jihoo Lee (Republic of Korea)*, Jaejoon Yim, Nakwon Kwak, Hyeryung Oh, Jeonseong Yan, Jake Whang
AP01-52	Understanding the implementation of PR in Bangladesh using Normalization Process Theory
	GM Monsur Habib (Bangladesh)*, Roberto Rabinovich, Nazim Uzzaman, Aftab Uddin, Hilary Pinnock
AP01-53	Can we combine advances in evidence based medicine and behavioural economics strategies to improve diagnosis in respiratory medicine?
	Tow Keang Lim (Singapore)*, Chia Meng Teoh, Mei Ying Chew, Jeff Ng
AP01-54	Clinical outcome and patient characteristics of community acquired pneumonia in a secondary care hospital in central Sri Lanka; are severity indexes and scores universally applicable?
	Sanjaya Sumanasinghe (Sri Lanka)*, Hasitha Dissanayake, Thilina Munasinghe, Kokilaa Wijerathne, Sumedha Samankantha
AP01-55	Impacts of clinical training on experience and knowledge of respiratory diseases among post-graduate year (PGY) 1 and 2 residents.
	Yoko hamakawa (Japan)*, Satoshi Marumo, Ryo Yamanaka, Hiromitsu Ueki, Ryota Kishi, Yuta Sakano, Hirotaka Tamesada, Shiori Jinnno, Chie Morimoto, Takamitsu Imoto, Takamasa Kitajima, Daiki Inoue, Motonari Fukui
	MALT Lymphoma Masquerading as Organizing Pneumonia as the First Manifestation
AP01-56	Mohd Zhafran Zainal Abidin (Malaysia)*, Hui Xin Tan, Yen Shen Wong, Affida Ahmad, Aisya Natasya Musa, Mohd Arif Mohd Zim
AP01-57	Clinical audit on Discharge Summary Post-Non invasive ventilation
	Dawpadee Dharmasena (United Kingdom)*, Sanka Vijayabandara, Osei Kankam, Theresa Christopherson
AP01-58	Oxygenation Parameters as Predictors of Clinical Outcomes among Non-oxygenated Hospitalized Adult Patients with Moderate Covid-19 Infection
	Eliezer James Aguila (Philippines)*, Trinidad Tim
AP01-59	Recurrent spontaneous pneumomediastinum in adolescents: a rare case in healthy adolescents with an infrequently reported entity.
	Wutthichai Sae Chen (Thailand)*, Virissorn Wongsrichanalai
AP01-60	Compliance of non-invasive ventilation among patients with myotonic dystrophy complicated with type 2 respiratory failure
	Sugeesha Wickramasinghe (United Kingdom)*, Verity Ford, Emily Nuttall



AP01-61	Comparing current treatment practice in patients with bronchiectasis in tertiary respiratory care setting with standard international guidelines - An audit
	Sugeesha Wickramasinghe (Sri Lanka)*, Saman Kularatne
AP01-62	Outcome of telepharmacy service in asthma and COPD clinic in Thailand.
	Sirin Phenphinan (Thailand)*, Watchara Boonsawat, Sunee Lertsinudom
AP01-64	High Flow Nasal Cannula in Hypoxemic Patients with COVID-19 in Philippine Heart Center: a cross-sectional study
	Kristine Gail Sy (Philippines)*, Ma. Encarnita Limpin
AP01-65	Diffuse Alveolar Hemorrhage After an Ovum Pick-Up Procedure Induced by Inhalational Sevoflurane - A case report
	Hye Sung Khil (Republic of Korea)*, Sue In Choi, Byung Keun Kim, Won jai Jung, Eun Joo Lee, Sang Yeub Lee
AP01-66	Pulmonary rehabilitation in the time of pandemic: outcomes of online pulmonary rehabilitation in a tertiary institution.
	Rachelle Mae Legaspi (Philippines)*, Camille San Miguel, Guinevere Dy-Agra, Rodolfo Pagcatipunan, Celeste Mae Campomanes, Kurt Tolentino, Matthew Lee
AP01-718	Case report and literature review of Plastic bronchitis characcterized by refractory hemoptysis.
APU I-7 16	Yan Gu (China (Mainland))*, Wanting Zhang
Cell and Molec	ular Biology
4 DOO 75	Comparison of the phenotype of united airway disease between fungus-induced severe allergic lung inflammation and respiratory SARS-CoV-2 infection in mice
AP02-75	Yeogha Yoon (Republic of Korea)*, Wankyu Kim, Hae Jin Park, Kyung Hwa Park, So Ri Kim, Yeong Hun Choe, Jae Seok Jeong, Yong Chul Lee
AP02-76	Patient-derived lung organoid on a chip platform as a new alternative method for pulmonary disease modeling and drug discovery
	Seo-Hee Yang (Republic of Korea)*, Eun-Young Eo, Ji-Yeon Park, Hyung-Jun Kim, Young-Jae Cho
Clinical Allergy	y & Immunology
AP03-79	Effect of supplement vitamin C on IL-6 (interleukin 6) and IL-10 (interleukin 10) level health care worker in dr. soetomo academic hospital in COVID-19 pandemic
	Nisya Hapsari (Indonesia)*, Laksmi Wulandari
	The impact of one-year treatment with dupilumab in patients with severe asthma
AP03-80	Sumiko Abe (Japan)*, Norihiro Harada, Yuuki Sandhu, Hitoshi Sasano, Yuuki Tanabe, Sonoko Harada, Ai Goto, Takayasu Watanabe, Yoshihiko Sato, Takayasu Nishimaki, Yukari Kato, Shoko Ueda, Tomohito Takeshige, Jun Ito Ryo Atsuta, Kazuhisa Takahashi
	The role of IL-1 β and IL-10 as a predictive factors for COVID-19 severity
AP03-81	Sakina Sakina (Indonesia)*, Resti Yudhawati
	NLRP3 inflammasome is critically implicated in SARS-CoV-2-induced aggravation of severe asthma in mice
AP03-82	Jae Seok Jeong (Republic of Korea)*, Hae Jin Park, Kyung Hwa Park, Hee Jung Kim, Yeong Hun Choe, So Ri Kim
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AP03-83	Aero allergen sensitivity pattern in patients with Allergic Rhinitis and Asthma in Southern India
	Manimaran Marappan (India)*
AP03-84	Lungs and kidneys tying the knot in the era of covid pandemic
	Madhushi Nanayakkara (Sri Lanka)*, Chandana Dahanayaka, Ayesha Jayawardana, Malinda Hettiarachchi, Dinith Galabada, Eshanth Perera
AP03-85	Qualitative serologic antibody response using lateral flow immunoassay (Rapid IgG/IgM Diagnostic Test) in the different illness severity of COVID-19 Pneumonia
	Mark Christian Agase (Philippines)*, Ma. Encarnita Limpin, Emily Aventura
AP03-86	CD2 shown to facilitate CD4+ cell differentiation in Visceral Leishmaniasis patients, a receptor based study
	Sukrat Sinha (India)*
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	Seoung Ju Park (Republic of Korea)*, Hwan Jin Lee, Yeong Hun Choe, Heung Bum Lee
AP04-101	Effect of fine dust on lung disease
APU4-101	Yejin Lee (Republic of Korea)*
	Progressive Massive Fibrosis, a case of diagnostic dilemma.
AP04-102	Madhushi Nanayakkara (Sri Lanka)*, Chandana Dahanayaka, Ayesha Jayawardana, Praveen Sumithrarachchi, Malinda Hettiarachchi, Ramani Punchihewa, Sumudu Palihawadana, Eshanth Perera
AP04-103	Can a Web-App based physical activity promotion program improve cardiovascular symptoms of midlife women?
	Wonshik Chee (United States of America)*, Eun-Ok Im
AP04-104	A Retrospective Cohort Study on the Outcomes of Participants of the DOH-LCP Quitline Program from 2017-2020
	Marra Monique Cantela (Philippines)*, Glynna Cabrera
AP04-105	Toxicity evaluation of environmental pollutant using human small airway epithelial cells (SAEC) cultured under the air-liquid interface (ALI)
	Sun Young Kyung (Republic of Korea)*, Eun Suk Son, Se-Hee Kim, Young Eun Lee, Jeong-Woong Park, Sung Hwan Jeong
AP04-106	Various daily health practices to reduce particulate matter in vulnerable and susceptible individuals
	Hyun Woo Ji (Republic of Korea)*, Dae Ryoung Kang, Yong Jin Lee, Jin-Bae Kim, Yeong-Bae Lee, Changsoo Kim, Jaelim Cho, Mi-Ji Kim, Jungwoo Sohn, Ji Ye Jung
AP04-107	Gene expression changes in lung induced by subacute inhalation of PM10-rich particulate matter in mice
	Sung-Woo Park (Republic of Korea)*, Jisu Hong, Jong-Uk Lee, Hyesun Shin, Su Sie Chin, Ki-Joon Jeon, Sung Hwan Jeong



	Characteristics and advantages of silicosis utilized a murine model
AP04-108	Hyosin Baek (Republic of Korea)*, Se-Ran Yang, Jooyeon Lee, Jaehyun Park, Jimin Jang, Sang-Ryul Cha, Sebi Lee
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	Shanshan Wei (China (Mainland))*, Jiping Liao, Tao Xue, Xiuhua FU, Ruiying Wang, Xiaomin Dang, Cheng Zhang, Hua Qiao, Shujuan Jiang, Jianhong Xiao, Lixia Dong, Jinzhi Yin, Xixin Yan, Weihua Jia, Guifang Zhang, Rui Chen, Bo Zhou, Beibei Song, Jing Li, Mengyu Yin
	Anti-fibrotic effect of dipeptide A during progression of chronic fibrosis
AP04-110	Jaehyun Park (Republic of Korea)*, Jooyeon Lee, Hyosin Baek, Jimin Jang, Sang-Ryul Cha, Se Bi Lee, Se-Ran Yang
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	Feng Song (China (Mainland))*, Yan Wang, Zile Ji, Baichuan Xu, Peng Zhang, Yang Xie
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AP05-183	Halina Julia (Indonesia)*, Fajrinur Syarani, Muntasir Abdullah, Putri Chairani Eyanoer, Ranti Permatasari
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	Masafumi Seki (Japan)*, Daishi Shimada
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AP05-187	A descriptive cross-sectional study on prevalence of respiratory diseases among patients visiting Jiri District Hospital, Nepal.
	Kiran Paude l (Nepal)*, Durga Rijal, Tara Ballav Adhikari, Sandesh Bhusal, Rajan Paudel, Bikram Paudel, Milan Gaihre, Surya Devkota
AP05-188	Esophagopleural fistula due to foreign body leads to a persistent left sided pyopneumothorax: a rare case
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AP05-189	Covid infection complicated with bilateral spontaneous pneumothoraces - A rarely described entity
	Sugeesha Wickramasinghe (United Kingdom)*, Syed Mehdi, Sharada Gudur
AP05-190	The treatment outcomes of cavitary Mycobacterium avium complex pulmonary disease according to the use of amikacin or streptomycin
	Seong Min Kim (Republic of Korea)*, Tae Sun Shim, Kyung-Wook Jo
AP05-191	Comparison of the pneumonia incidence on chest radiography according to vaccination among COVID-19 patients under 50 years old
	Yong Shik Kwon (Republic of Korea)*, Seong Hwan Youn, Mi-ae Kim, Hyun Jung Kim, Jae Seok Park, Sun Hyo Park, Ji Yeon Lee, Jin Young Kim
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	Ayesha Jayawardana (Sri Lanka)*, Madushi Nanayakkara, Chandana Dahanayake, Malinda Hattiarachchi, Eshanth Perera
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	Yang Xie (China (Mainland))*, Jiaming Ren, Nannan Guo, Peng Zhang, Feng Song
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	Siarhei Yermashkevich (Belarus)*, Andrei Ivanou
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	Mayuka Yamane (Japan)*, Akihito Yokoyama
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	Ann Crizette Garcia (Philippines)*, Jose Sarenas
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	Imam Nurjaya (Indonesia)*, Irawaty Djaharuddin, Deviana Soraya Riu
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	Changhwan Kim (Republic of Korea)*, Young Seok Lee, Jae Young Moon, Sung Hyun Kim, Sun-hyung Kim, Youjin Chang, Woo Hyun Cho, Won-Young Kim, Won Jai Jung, Sun Jung Kwon, Ho Cheol Kim, Kwang Ha Yoo
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	Aida Nazurah Binti Aman Sarifudin (Malaysia)*, Uduman Ali Mohamed Yousuf
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AP05-218	Bronchoscopy in the diagnosis and management of drug-induced pneumonitis in immunocompromised patients, a single-centre one-year experience.
	Brian Lee Wei Chua (Singapore)*, Youxin Puan, Timothy Toh, Isaac Fong, Yi Hern Tan
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	Marc Anthony Donguines (Philippines)*, Pocholo Guadalupe, Racquel Ibanez, Joven Roque Gonong
AP05-222	Astaxanthin protect against severe acute respiratory syndrome coronavirus 2 infection on well-differentiated primary human nasal epithelial cells
	Ayaho Yamamoto (Australia)*, Peter Sly, Keng Chew, Abrey Yeo, Kirsty Short, Emmanuelle Fantino
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	Ann Crizette Garcia (Philippines)*, Giselle Ann Llabado, Jose Sarenas, Maidenlove Paner
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	Characteristics and clinical outcomes of patients with Acinetobacter baumannii associated hospital-acquired pneumonia in Korea
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AP05-231	Colistin plus rifampicin combination versus colistin alone in the treatment of multidrug-resistar Acinetobacter baumannii pneumonia: A systematic review and meta-analysis
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	Phatteera Charitwatchara (Thailand)*
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	Tow-Keang Lim (Singapore)*, Louis Widjaja
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	Maria Monica Salazar (Philippines)*
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	Maria Theresa Go-Magsino (Philippines)*, Earl Louis Sempio
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	Shane Villamonte (Philippines)*, Maria Piedad Natividad
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AP06-290	Effect of smoking and malnutrition on early sputum culture conversion in multidrug-resistance tuberculosis patients with short term drug regimen in south sumatra indonesia
	Alif Fathurrachman (Indonesia)*, Zacky Amirulah, Zen Ahmad, Linda Andriani, Sudarto Sudarto, Roully Pasaribu, Ahmad Rasyid, Alwi Shahab, Erial Bahar
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	Madushanka Rathnayake (Sri Lanka)*, Ruwani Perera, Sampath Liyanage, Ruvanthi Jayasekara, Amitha Fernando, Upul Dissanayake, Arjuna Fernando
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	Susi Subay (Indonesia)*, Winariani Koesoemoprodjo, Adhitri Anggoro

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	Arthihai Srirangan (Sri Lanka)*, Niranjan Chandramal, Sameera Gamlath, Asha Samaranayake, Ravini Karunathilaka
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Critical Care M	edicine		
AP11-574	Acquired central alveolar hypoventilation as a sequelae of brainstem tuberculoma		
	Boon Hau Ng (Malaysia)*, Hsueh Jing Low, Andrea Yu-Lin Ban, Nik Nuratiqah Nik Abeed, Mohamed Faisal Abdul Hamid		
AP11-575	A Meta-analysis on Preoperative Incentive Spirometry in Preventing Pulmonary Ateletasis in Post-Coronary Artery Bypass Grafting Patients		
	Rachelle Kay Dela torre-Mangente (Philippines)*, Ria Katrina Cortez		
AP11-576	Case of Post hypercapnic metabolic alkalosis		
AI 11 370	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Aflah Sadikeen, Prasanjanie Jayasinghe		
AP11-577	Predictors of consciousness recovery improvement in patients with hypoglycemic encephalopathy		
AI 11 3//	Jinkyeong Park (Republic of Korea)*, Seung Eun Lee, Eun Ja Lee, YeeHyung Kim		
AP11-578	Survival time of coronavirus disease (COVID-19) patients using mechanical ventilation during first wave pandemi at National Respiratory Referral Hospital, Jakarta		
	Muhamad Iman Nugraha (Indonesia)*, Prasenohadi Prasenohadi, Mohamad Fahmi Alatas		
AP11-579	A patient with COVID pneumonia presenting with bilateral lower limb weakness		
AI 11 373	Sameera Gamlath (Sri Lanka)*, Ravini Karunathilake		
AP11-580	Doege-Potter Syndrome: A Rare Paraneoplastic Syndrome of Solid Fibrous Tumors Reported in Indonesia		
	Evelyn Nathania (Indonesia)*, Evelyn Nathania, Jahja Teguh Widjaja, Peter Syarief		
	Case of Re expansion pulmonary edema		
AP11-581	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Aflah Sadikeen, Ruwanthi Jayasekara, Madushanka Rathnayake		
AP11-582	Development and validation of knowledge, attitudes and practices questionnaire on venous thromboembolism prophylaxis of internists in a tertiary hospital in the Philippines		
	Jellicoe Maine Asuncion-Lugtu (Philippines)*, Dayan Kristel Guce, Angela Apostol-Alday		
AP11-583	Clinical outcomes and health-related quality of life of patients admitted at the medical intensive care unit of Baguio General Hospital and Medical Center		
	Kelly Ann Suanding (Philippines)*, Maria Lowella De Leon		
	Association between ICU outcomes of prior systemic corticosteroids in pneumonia		
AP11-584	Seohyun Kim (Republic of Korea)*, Tai Joon An, Yun-Hee Lee, Sung Hwan Jeong, Jun-Pyo Myong,		

AD11_E0E	Risk of incident atrial fibrillation after a prior critical illness: novel insights nto psychocardiology
AP11-585	Weisyun Hu (Taiwan)*
AP11-586	Porcine simulation model for training ECMO for severe acute respiratory failure
	Joon Han Kim (Republic of Korea)*, Myung Jin Song, Sung Yoon Lim, Yeon-Joo Lee, Young-Jae Cho
AP11-587	Impact of Remote Antibiotic Consultations in Critically III Patients during COVID-19 Pandemic in Korea
	Sung Wook Kang (Republic of Korea)*, Cheon Woong Choi, Eun Kyoung Chung, Yeo Jin Choi, Hyeong Geun Jo
AP11-588	Clinical features and outcomes of aspiration pneumonia compared with non-aspiration pneumonia in nosocomial settings
	Sae Rom Kim (Republic of Korea)*, Ryoung-Eun Ko, Kyung Hoon Min, Sang-Bum Hong, Ae-Rin aek, Hyun-Kyung Lee, Woo Hyun Cho, Changhwan Kim, Youjin Chang, Sung-Soon Lee, Jee Youn Oh, Heung Bum Lee, Soohyun Bae, Jae Young Moon, Kwang Ha Yoo, Hyun-II Gil, Beomsu Shin, Kyeongman Jeon
AP11-589	Corrosive tracheobronchial tree in an alcohol abuser with neglected drowning-associated-lung injury: a case report
	Nina Eristiana (Indonesia)*, Tina Reisa, Thariq Emyl Taufik Hasibuan
AP11-590	Clinical Profile and Outcomes of COVID19 confirmed cases with Acute Respiratory Distress Syndrome Undergoing Prone Positioning at Lung Center of the Philippines (LCP) from May 1, 2020 to April 30, 2021
	Krizelle Acibal (Philippines)*, Noel Gomez, Portia Tanyag
	Epiglottic Retroversion
AP11-591	Seung Jun Lee (Republic of Korea)*, Manbong Heo, Jong Hwan Jeong, Jung Wan You, Sunmi Ju, Yu Ji Cho, Yi Yeong Jeong, Jong Deog Lee
AP11-592	Audit on oxygen use in covid hdu and non-hdu wards at a tertiary care centre
AF 11-392	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Ruwanthi Jayasekara, Himali Vitharana
Bronchoscopy	and Interventional Techniques
	A Novel Technique For Tracheoesophageal Fistula Closure
AP12-613	Don Gregory Mascarenhas (India)*, Harikishan Gonuguntla, Roshan kumar Manoharlal, Nootangi Bhanuteja, Medhat Nabih Elnamaky
AP12-614	Interventional bronchoscopy for stent placement by rigid brochoscopy through tracheostomy. A case reports
	Anh Duc Hoang (Viet Nam)*, Van Giap Vu, Ngoc Du Nguyen, Ngoc Phu Dao
AP12-615	Balloon Bronchoplasty under conscious sedation and flexible bronchoscope: A feasible approach from initial experience of Malaysia
	Arvindran Alaga (Malaysia)*, Nurul Adilah Ahmad Nizam, Izzatul Nadzirah Ismail
AP12-616	Endobronchial removal of the peripherally located foreign body with the ultrathin bronchoscopy and ultrathin cryoprobe guided by a manual navigating method
	Mingli Yuan (China (Mainland))*, Yang Xiao, Fang Ni, Wen Yin, Yi Hu



	Efficacy and safety of the transbronchial lung cryobiopsy: a single-center retrospective study in Japan.		
AP12-617	Yuichi Nagata (Japan)*, Tetsutaro Nagaoka, Yumi Kuroda, Saori Hotta, Tomoko Okuma, Koichi Masuda, Naho Sakamoto, Takayasu Nishimaki, Kana Kurokawa, Taichi Miyawaki, Tetsuhiko Asao, Ryota Kanemaru, Tomoyasu Mimori, Sachiko Kuriyama, Yoichiro Mitsuishi, Masako Ichikawa, Naoko Shimada, Takuo Hayashi, Kazuhisa Takahashi		
AP12-618	The diagnostic yield of transbronchial lung biopsy (TBLB) using both radial endobronchial ultrasound (radial EBUS) and fluoroscopy in peripheral small lung nodule below 20mm.		
	Eun Young Kim (Republic of Korea)*, Seung Hyun Yong		
AP12-619	Tracheopathia osteochondroplastica - to biopsy or not to biopsy? A relook at the rare disease		
	Avinash Anil Nair (India)*, Richa Gupta, Aparna Irodi, Ashwin Oliver, Divya Chandran, Prince James		
	Effects of patient-selected music and breathing control during bronchoscopy		
AP12-620	Napplika Kongpolprom (Thailand)*, Chayanon Vividhwara, Supinya Sukjit, Paphawee Chiarakiat, Patcharee Chawthanasit, Supawich Sornwanee, Nattaporn Sritippayawan		
AP12-621	Feasibility and safety of electromagnetic navigation transthoracic needle aspiration under moderate sedation for the diagnosis of pulmonary nodules		
	So Jeong Kim (Republic of Korea)*, Na Young Kim, Soojie Chung, Jeong Hee Choi, In Gyu Hyun, Hee-Sung Lee		
AD12 622	Intrapleural Streptokinase and DNase: A cheaper alternative?		
AP12-622	Hema Yamini Ramarmuty (Malaysia)*, Sarvin Vignesh, Shan Min Lo, Kannan Sivaraman Kannan		
	Effects of patient-selected music and deep meditation music during bronchoscopy		
AP12-623	Napplika Kongpolprom (Thailand)*, Chayanon Vividhwara, Supinya Sukjit, Paphawee Chiarakiat, Patcharee Chawthanasit, Supawich Sornwanee, Nattaporn Sritippayawan		
AD40 50 /	Study on the application of hybrid operation "one stapler plus one needle" to reduce the volume of giant emphysematous bulla		
AP12-624	Hua Zhang (China (Mainland))*, Wei Zhang, Guangwei Xue, Weiwei Xu, Changsheng Ge, Zhigang Zheng, Zongfang Li, Lei Wang, Jinming Yang, Jieliang Zhang, Renyan Zhao		
AP12-625	Transbronchial lung cryobiopsy for diffuse and localized peripheral pulmonary lesions: A retrospective review of our early experience		
	Chun Ian Soo (Malaysia)*, Boon Hau Ng, Mona Zaria Nasaruddin, Ummi Nadira Daut, Noorul Afidza Muhammad, Khai Lip Ng, Nur Husna Mohd Aminudin, Nai Chen Huan, Fatimah Azmah Mohammad, Sanusi Zulkifli, Hean Fui Liow, Muhammad Asyraf Abdul Onny, Andrea Yu-Lin Ban, Jamalul Azizi Abdul R		
	Ultrasound Guided Transthoracic Needle Biopsy: A Pulmonologist Perspective		
AP12-626	Haly Rozie Ahmad (Malaysia)*, Nagarani Naupa, Yu Kuan Tan, Megat Razeem Abdul Razak, Aishah Ibrahim, Soon Hin How		
AP12-627	Clinical outcomes of cryobiopsy for peripheral pulmonary lesions - a prospective pilot study		
AI 14-04/	Soo Han Kim (Republic of Korea)*, Jeongha Mok, Jung Seop Eom		
AP12-628	Virtual bronchoscopy navigation combined with thin bronchoscope to diagnose pulmonary tuberculosis: A randomised trial		
	Jeongha Mok (Republic of Korea)*, Jung Seop Eom, Seyeon Park		

AP12-629	Utility of endobronchial ultrasound guided re-biopsy of non-small cell lung cancer with acquired resistance after EGFR tyrosine kinase inhibitor		
	Jin Mo Cho (Republic of Korea)*, Kyung Soo Hong, Kwan Ho Lee, Jin Hong Chung, Kyeong Cheol Shin, Eun Young Choi, Hyun Jung Jin, Jong Geol Jang, June Hong Ahn		
Paediatric Lung	g Disease		
AP13-630	A case report of an infant with congenital lobar emphysema at Angkor Hospital for Children		
	Khe Muoy Um (Cambodia)*, Michael Wall, Sokchinda Kong, Pises Nget, Chanpeaktra Ngoun		
	LEGA-Kid Efficacy and Safety in Children with Pneumonia		
AP13-631	Nur Izyani Abdul Halim (Malaysia)*, Asiah Kassim, Syuhadah Abd Rahman, Nur Haziqah Mohamed Hizam, Sornaletchumi Koran, Sahrinah Mohd Shahardin, Karuthan Chinna, Jia Yueh Chong, Shangari Kunaseelan, Pazlida Pauzi, Udhaya Moorthy, Nanthini Mahalingam, N. Fafwati Faridatul Akmar Mohamed, Radhiyah Abdul Rashid, Hishamshah Mohd Ibrahim		
AP13-632	Lung metastatic of rhabmyosarcoma: report a case with delayed diagnosis of primary tumor due to COVID – 19		
	Tuan Anh Tran Thi (Viet Nam)*, Thanh Tuan Phan, Trung Tho Le		
AP13-633	Multiple rib destructions as an extremely rare complication of Kasabach-Merritt syndrome in a-2-years old female child: A case report		
AP 15-055	Citra Cesilia (Indonesia)*, Elmi Ridar, Hariadi Hatta, Andreas Makmur, Wiwit Ade Fw, Heda Melinda N Nataprawira		
Respiratory Structure and Function			
AP14-642	Bleomycin-induced fibrosis and the effectiveness of cantella asiatica as treatment		
AI 14 042	Yabestin Alfrianus Pakpahan (Indonesia)*, Noni Novisari Soeroso, Muhammad Ichwan		
Δ Ρ1 /4-6//3	Multi-data-integrated pulmonary function test reports in COPD patients		
AP14-643	So Yeon Kim (Republic of Korea)*, Yong Sik Park		
AP14-644	The airway occlusion pressure (P0.1) after COVID-19		
AI 14 044	Olga Savushkina (Russia)*, Alexander Cherniak		
AP14-645	Dynamic chest radiography as a rapid tool to assess thoracic dynamics following diaphragm plication surgery		
	Thomas Simon FitzMaurice (United Kingdom)*, Caroline McCann, Ram Bedi, Dilip Nazareth, James Greenwood, Martin Walshaw		
Pulmonary Circ	culation		
AP15-650	A rare case of pulmonary arterio venous malformation.		
	Madhushi Nanayakkara (Sri Lanka)*, Chandana Dahanayaka, Ayesha Jayawardana, Pradeep Wijerathna, Malinda Hettiarachchi, Chandrike Ponnamperuma, Dhammika Rasnayake, Eshanth Perera		
	Rare cause of pulmonary hypertension		
AP15-651	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Ruwanthi Jayasekara, Madushanka Rathnayake, Ruwani Perera		



	Pulmonary Arteriovenous Malformation as a Cause of Embolic Stroke		
AP15-652	Boon Hau Ng (Malaysia)*, Hsueh Jing Low, Andrea Yu-Lin Ban, Nik Nuratiqah Nik Abeed, Mohamed Faisal Abdul Hamid, Prapatricca Shanmugam, Isa Azzaki Zainal		
	A case of definite hereditary hemorrhagic telangiectasia presenting as a refractory migraine		
AP15-653	Madushanka Rathnayake (Sri Lanka)*, Lakmini Dassanayake, Ruvanthi Jayasekara, Amitha Fernando, BMP Bandaranayake		
AP15-654	Multimodalities in treating intermediate-high risk pulmonary embolism		
	Muhammad Amin Ibrahim (Malaysia)*, Nadirah Abdul Wahid, Wong Soo Fen		
	Long-term results of surgical and medical treatment of pulmonary embolism		
AP15-655	Eugene Borodin (Russia)*, Anton Kazantsev, Alexander Korotkikh, Alina Zharova, Roman Lider, Elizaveta Kazantseva		
Interstitial Lur	ng Disease		
AP16-688	Rapidly progressive interstitial lung disease associated with anti-NXP2 antibody		
	Nataphon Wuthithepbuncha (Thailand)*, Viboon Boonsarngsuk, Jakkrit Laikitmongkhon, Pimpin Incharoen, Warawut Sukkasem		
AP16-689	Efficacy of Low-Dose Nintedanib in Idiopathic Pulmonary Fibrosis, a retrospective single institut analysis.		
	Natsumi Watanabe (Japan)*, Yoshinori Tanino, Takefumi Nikaido, Yuki Sato, Ryuichi Togawa, Takaya Kawamaya, Naoko Fukuhara, Tomoyoshi Lee, Riko Sato, Takumi Onuma, Mikako Saito, Hikaru Tomita, Mami Rikimaru, Julia Morimoto, Yasuhito Suzuki, Hiroyuki Minemura, Junpei Saito, Kenya Kanazawa, Yoko Shibata		
AP16-690	The Impact of MDT meetings and addition of Clinical Pathway on diagnosis and cost analysis in DPLD patients from two tertiary centers in Klang Valley.		
	Giritharan Muniandy (Malaysia)*, Andrea Ban, Faisal Abdul Hamid, Boon Hau Ng, Nik Nuratiqah Nik Abeed Syazatul Syakirin Sirol Aflah, Aniza Ismail, Shahrir Mohamed Said, Imree Azmi, Zuhanis Abdul Hamid		
AP16-691	Double whammy: a case of post severe COVID pneumonia - anti mda 5 associated interstitial lung disease		
	Wang Jie Tan (Malaysia)*, Noorul Afidza, Mona Zaria, Chiou Perng Lee, Jamalul Azizi		
AP16-602	Organizing pneumonia in patients who are in post COVID state or develop late onset symptoms of COVID-19		
AP16-692	Chang-Seok Yoon (Republic of Korea)*, Jae-Kyeong Lee, Young-Ok Na, Hwa Kyung Park, Bo Gun Kho, Ha Young Park, Tae-Ok Kim, Hong-Joon Shin, Yong-Soo Kwon, Yu-Il Kim, Sung-Chul Lim		
AD16-602	Rare case of acute exacerbations of post COVID-19 interstitial lung disease		
AP16-693	Lakmini Dassanayake (Sri Lanka)*, Amitha Fernando, Ruwanthi Jayasekara, Madushanka Rathnayake		
AD46 60 /	Sarcoidosis associated pulmonary artery stenosis and pulmonary hypertension - A Challenging car		
AP16-694	Arthihai Srirangan (Sri Lanka)*, Niranjan Chandramal, Asha Samaranayake, Ravini Karunathilaka		

AP16-695	Assessment of disease severity of diffuse parenchymal lung disease (DPLD) patients by 6-minute walk test (6MWT)		
AP 10-095	Mamun Newaz (Bangladesh)*, Mohammad Mohiuddin Ahmad, Mohammad Aminul Islam, Hena Khatun, Mohammad Tuhiduzzaman, Anal Chandra Das, Sharmin Afroze, Sharmin Sultana		
AP16-696	Are blood vessels a target organ for sarcoidosis?		
	Evgeniy Shchepikhin (Russia)*, Evgeniy Shmelev, Anna Zaitseva		
	Peripheral blood monocyte count as a prognostic biomarker in idiopathic interstitial pneumonia other than idiopathic pulmonary fibrosis		
AP16-697	Yuki Sato (Japan)*, Yoshinori Tanino, Takefumi Nikaido, Ryuichi Togawa, Takaya Kawamata, Natsumi Watanabe, Naoko Fukuhara, Tomoyoshi Lee, Riko Sato, Takumi Onuma, Hikaru Tomita, Mikako Saito, Mami Rikimaru, Julia Morimoto, Yasuhito Suzuki, Hiroyuki Minemura, Junpei Saito, Kenya Kanazawa, Yoko Shibata		
AD16 600	VISTA is a novel diagnostic and prognostic biomarker in idiopathic pulmonary fibrosis		
AP16-698	Hee-Young Yoon (Republic of Korea)*, Ganghee Chae, Sang Eun Lee, Su-jin Moon, Jin Woo Song		
	Plasma adiokines predict diagnosis and prognosis in patients with idiopathic pulmonary fibrosis		
AP16-699	Ju Hyun Oh (Republic of Korea)*, Ganghee Chae, Su-Jin Moon, Jin Woo Song		
AD46 700	The Efficacy of Pulmonary Rehabilitation in Patients with Idiopathic pulmonary fibrosis		
AP16-700	Ji Hoon Jang (Republic of Korea)*, Hee Eun Choi, Jae Ha Lee		
AD46 704	Birt-Hogg-Dub Syndrome in Korean family with a Novel Folliculin Gene Mutation		
AP16-701	Yon Ju Ryu (Republic Of Korea)*, Jiyeon Bae		
AP16-702	Usefulness of software-based quantification for a computed tomography image analysis in patients with combined pulmonary fibrosis and emphysema		
AP 10-702	Yoshiaki Kitaguchi (Japan)*, Takumi Kinjo, Yusuke Suzuki, Norihiko Goto, Masamichi Komatsu, Fumika Ueno, Yosuke Wada, Masanori Yasuo, Hiroshi Yamamoto, Kiyoyasu Fukushima, Masayuki Hanaoka		
	Benefits of Systemic Corticosteroid in Post-COVID-19 Interstitial Lung Disease.		
AP16-703	Yun Seok Kim (Republic of Korea)*, Tai Joon An, Ye Jin Lee, Ji Eun Park, Eung Gu Lee, Youlim Kim, Sung-Yoon Kang, Hyonsoo Joo, Joon Young Choi		
AP16-704	Broncho-obstructive syndrome (BOS) in patients with different forms of hypersensitivity pneumonitis (HP).		
	Galina Kuklina (Russia)*, Evgeny Shmelev		
AD46 705	Single time point scores for predicting 1-year progression and 5-year overall survival in idiopathic pulmonary fibrosis: A validation study of Imaging Signature IPF (IS-IPF)		
AP16-705	Kyungjong Lee (Republic of Korea)*, Ju Hyun Oh, S. Samuel Weight, Jonathan Goldin, Bianca Villages, Jin Woo Song, Grace Hyun J. Kim		
AP16-706	RNA-recognizing immune sensor regulates bleomycin-induced activation of macrophages, lymphocytes, and neutrophils and subsequent lung fibrosis		
	Takashi Ishii (Japan)*, Yusuke Murakami, Tomoya Narita, Takahide Nagase, Naomi Yamashita		



AP16-707	The analysis of the effect of statin therapy on the clinical course of IPF		
AP 10-707	Seung Hoon Kim (Republic of Korea)*, Shin Young Kim, So Hyang Song, Chi Hong Kim, Sung Kyoung Kim		
AP16-708	Obstructive Sleep Apnea in Patients with Idiopathic pulmonary fibrosis: Prevalence and Predictive Factors		
	Ji Hoon Jang (Republic of Korea)*, Hyun Kuk Kim, Jae Ha Lee		
AP16-709	Importance of clinical history of antigen exposure and anti-Trichosporon asahii antibody evaluation for diagnosis of summer-type hypersensitivity pneumonitis in patients with chronic interstitial lung diseases		
	Takaya Kawamata (Japan)*, Yoshinori Tanino, Takefumi Nikaido, Yuki Sato, Ryuichi Togawa, Natsumi Watanabe, Naoko Fukuhara, Tomoyoshi Lee, Riko Sato, Takumi Onuma, Hikaru Tomita, Mikako Saito, Mami Rikimaru, Yasuhito Suzuki, Hiroyuki Minemura, Junpei Saito, Kenya Kanazawa, Yoko Shibata		
	Clinical significance of vitamin D deficiency in lung transplant recipients		
AP16-710	Min Seo Ki (Republic of Korea)*, Ala Woo, Song Yee Kim, Moo Suk Park, Young Sam Kim, Ha Eun Kim, Jin Gu Lee, Hyo Chae Paik		
AP16-711	Polymyxin-B hemoperfusion in patients with acute exacerbation of idiopathic pulmonary fibrosis; A single center prospective pilot study		
	Min Jee Kim (Republic of Korea)*, Jiyoul Yang, Jin Woo Song		
	COVID-19 vaccine-related pneumonitis in Korea		
AP16-712	Ji Young Park (Republic of Korea)*, Joo-Hee Kim, Sunghoon Park, Yong II Hwang, Hwan II Kim, Ki-Suck Jung, Seung Hun Jang		
AP16-713	Oleanolic acid acetate alleviates bleomycin-induced pulmonary fibrosis in mice		
AF 10-713	Jae-Wan Jung (Republic of Korea)*, Ki-Eun Hwang, Chul Park, Hyun Lim, Joo-Un Park, Ui-Ri An, Hak-Ryul Kim		
AP16-714	Evaluation of fibrocytes in silica-induced and bleomycin-induced pulmonary fibrosis model in mice by single cell RNA-seq analysis		
AP 10-7 14	Kazuya Koyama (Japan)*, Seidai Sato, Hiroshi Kawano, Atsushi Mitsuhashi, Kojin Murakami, Yuya Yamashita, Keiko Haji, Kozo Kagawa, Hirohisa Ogawa, Yasuhiko Nishioka		
AP16-715	New prognostic scoring system for mortality in idiopathic pulmonary fibrosis modifying the GAP model with desaturation during six-minute walk test		
	Jae Ha Lee (Republic of Korea)*, Ji Hoon Jang, Moo Suk Park		
AD46 =46	Longitudinal evaluation of patients with lymphangioleiomyomatosis with lower level of serum VEGF-D.		
AP16-716	Masaki Hirose (Japan)*, Toru Arai, Takayuki Takimoto, Yoshikazu Inoue		
AP16-717	Pulmonary fibrosis in critically ill patients with COVID-19: prevalence and outcome: A multicentre retrospective cohort study in South Korea		
	Dae Hong Cho (Republic of Korea)*, Ganghee Chae, Junghyun Kim, Joon-Sung Joh, Tae Yun Park, Ae-Rin Baek, Won-Young Kim, Yang Jin Jegal, Chi Ryang Chung, Jinwoo Lee, Joo Hun Park, Jae Wook Lee, Soyeoun Lim, Jin Woo Song		

ORAL PRESENTATION

20 November

Oral 25		09:20-10:50	Grand Ballroom 104 (1F)	
Clinical Resp	iratory Medi	cine		
Chair	Sung Yoo	n Lim (Seoul National University College of Medicine, Republic of Kore	a)	
09:20-09:30	9:30 A025-1	Risk factors for hospitalized bronchiectasis exacerbation bastable state and incorporation of phenotype into FACED sco		
		Wang Chun Kwok (Hong Kong)*, James Chung Man Ho, Ting Fun Johnny Wai Man Chan, Mary Sau Man Ip, Terence Chi Chun Tam	g Ma, David CL Lam,	
	A025-2	The association between changes in BMI and acute exacerba	ation in non-CF bronchiectasis	
09:30-09:40		Hyeon Kyeong Bae (Republic of Korea)*, Hyun Lee, Hayoung Choi Woo Jin Kim, Kwang Ha Yoo, Seung Jun Lee, Tae-Hyung Kim, Buml Deog Kyeom Kim, Ji-Hyun Lee, Byoung Soo Kwon, Young-Jae Cho, Chin Kook Rhee, Ji Ye Jung	hee Yang, Ina Jeong, Soo-Jung Um,	
	A025-3	Predictors of mortality in COVID-19 associated pneumothor patients without a history of invasive mechanical ventilation		
09:40-09:50		Wongi Woo (Republic of Korea)*, Vincent Kipkorir, Du-young Kang Shadi Hamouri, Abdulqadir Nashwan, Giuseppe Fiorentino, Muham Sarya Swed, Moezedin Javad Rafiee, Wooshik Kim, Duk Hwan Moo	imad Mohsin Khan, Ayat Alhakeem,	
	A025-4	A national survey of non-invasive respiratory management i acute respiratory failure using COVIREGI-JP database	in COVID-19 patients with	
09:50-10:00		Kazuko Yamamoto (Japan)*, Keisuke Tomii, Motoya Izumi, Naoyul Naoki Iwanaga, Takahiro Takazono, Shinnosuke Takemoto, Hiroshi Yasushi Obase, Masato Tashiro, Takeshi Tanaka, Momoko Yamauch Koichi Izumikawa, Katsunori Yanagihara, Hiroshi Mukae	Ishimoto, Noriho Sakamoto,	
10:00-10:10	0 A025-5	Effect of Intravenous N-acetylcysteine on Prevention of Med Mortality among COVID-19 Patients: A Meta-Analysis	chanical Ventilation and	
10.00 10.10		Karen Anne Claridad (Philippines)*, Roland Reuben Angeles, Lend	ora Fernandez	
10:10-10:20	A025-6	Assessment of Dysfunctional Breathing in a cohort of post of Breathing Retraining Physiotherapy	ovid patients and the impact of	
		Ruwanthi Jayasekara (Sri Lanka)*, Suresh Chathurantha, Amitha	Fernando	
10:20_10:20	A025-7	SUPER to Characterize Pleural Effusion		
10:20-10:30	30 A025-7	Astrid Gardiner (Singapore)*, Ryan Ling, Zhaojin Chen, Yiong-Hua	ak Chan, Pyng Lee	



Oral 26		09:20-10:50 Grand Ballroom 1	
Paediatric Lu	ng Disease		
Chair	Anne Cha	ang (Menzies School of Health Research, Queensland University of Technology, Australia)	
00:20 00:20		The effect of the coronavirus disease (COVID-19) pandemic children due to the respiratory illnesses and the respiratory	
09:20-09:30	A026-1	Sze Chiang Lui (Malaysia)*, Fauziah Ripin, Nor Diyana Ismail, N Faf Yi Cheau Chua, Hazilawati Hussein, Maria Kamal, Sabeera Begum k	
09:30-09:40	A026-2	Pulmonary function and complications in children who have cell transplantation	received hematopoietic stem
		Panuwat Srichaisawat (Thailand)*, Jitladda Deerojanawong, Cha	nthana Harnruthakorn
09:40-09:50	A026-3	Correlation of lung function using forced oscillation techniq aged (4-18 years) with cystic fibrosis (CF)	ue with spirometry in children
		Sachin Singh (India)*, Meenu Singh, Joseph Mathew	
09:50-10:00 A026-4	1005 (Pneumorrhachis Complicated by Spontaneous Pneumomed An 11-year Retrospective Study in Taiwan	liastinum in Pediatric Patients:
	A026-4	Yu-Wei Liu (Taiwan)*, Yu-Tang Chang, Chieh-Ni Kao, Yu-Ling Huar Jui-Ying Lee, Hsien-Pin Li, Po-Chih Chang, Shah-Hwa Chou	ng, Hung-Hsing Chiang,
10:00-10:10 A026-5		Risk factors of adverse respiratory outcome after scoliosis s disorder patients	surgery in neuromuscular
		Kyeong Hun Lee (Republic of Korea)*, Ji Hye Kim, Dong In Suh, Ji	Soo Park
		Multicenter Surveillance of Cystic Fibrosis in Korean Childre	n
10:10-10:20	A026-6	Kyung Won Kim (Republic of Korea)*, Hyung Young Kim, Soo-Jor Dong In Suh, Shin Hye Noh, Soo Yeon Kim, Jinho Yu, Jung Min Ko, N	

Oral 27		11:10-12:40 Grand Ballroom 104 (
Respiratory Structure and Function			
Chair	Sang-Ha k	(Yonsei University Wonju College of Medicine, Republic of Korea)	
		Lung fuction and bronchiectasis incidence: nationwide pop	ulation-based cohort study
11:10-11:20	A027-1	Shinyoung Kim (Republic of Korea)*, Sungkyoung Kim, Chihong Seunghoon Kim, Kyungdo Han	Kim, Sohyang Song,
44.00.44.00		Impact of Bronchopulmonary Dysplasia on Functional and S Lungs of School-aged Children	Structural Changes in the
11:20-11:30 AO :	A027-2	Ji Ye Jung (Republic of Korea)*, Jeong Eun Shin, Jungho Han, Soc Ho Seon Eun, Min Soo Park, Soo Yeon Kim, Myung Hyun Sohn, Mi	
		Characterising the effect of body mass index on thoracic m cystic fibrosis using dynamic chest radiography	echanics in adults with
11:30-11:40	A027-3	Thomas Simon FitzMaurice (United Kingdom)*, Caroline McCar Paul Stephen McNamara	nn, Dilip Nazareth, Martin Walshaw,
11:40-11:50	A027-4	Standalone electrical impedance tomography system can in providing global and regional lung function assessment	nfer spirometric indices
		Wang Chun Kwok (Hong Kong)*, Fedi Zouari, Wei Yi Oon, Dipyan Wei-Ning Lee, Terence Chi Chun Tam, Eddie C. Wong, Russell W. (9 1
11.50 10.00		The anatomical variations in tracheobronchial tree through	videobronchoscope
11:50-12:00 A027-5		Samruddhi Chougale (India)*, Amir Khoja	
12:00 12:10	4027.6	Prevalence of positive bronchodilator response in a real-wo	orld clinical setting.
12:00-12:10	A027-6	Geak Poh Tan (Singapore)*, Gin Tsen Chai, Danqing Qi, John Arpu	uthan Abisheganaden





ACKNOWLEDGEMENTS EXHIBIT FLOOR PLAN AND LISTING 172 PROFILES

SPONSORSHIP **& EXHIBITION**

Oral 28		11:10-12:40	Grand Ballroom 105 (1F)
Respiratory Infections (non-tuberculous) - Pneumonia			
Chair	Jong Wook Shin (Chung-Ang University College of Medicine, Republic of Korea)		
11:10-11:20 AO28-3		Changes in respiratory infection trends during the COVID-19 par malignancy patients	ndemic in the hematologic
		Jiwon Ryoo (Republic of Korea)*, Seok Chan Kim, Jongmin Lee	
11:20-11:30	A028-4	Long Term Predictors of Fatal Pneumonia in a Japanese populati	on
11.20-11.50	AU26-4	Minh Nguyen (United States of America)*	
11.00.11.10	AO28-5	Combining a novel cyclic peptide with antibiotics to treat acute a infections with multidrug resistance gram-negative bacteria	nd chronic pulmonary
11:30-11:40 A028-5		Dhammika Leshan Wannigama (Thailand)*, Cameron Hurst, Peter N Paul G. Higgins, Stephen M Stick, Anthony Kicic, Tanittha Chatsuwan	Monk, Shuichi Abe,
11:40-11:50 A	A028-6	A hybrid AI model with the first 3-day features of CXR and clinical survival discharge of pneumonia patients within seven hospital of	-
		Chieh Liang Wu (Taiwan)*, Wei Cheng Chen, Lun-Chi Chen, Ruey-Kai S Yu-Cheng Wu	heu, Kai-Chih Pai,
	A028-7	Comparison of beta-lactam monotherapy and combination with as initial empiric treatment in patients with hospital-acquired pn a Korean multicenter cohort study	
11:50-12:00		Moon Seong Baek (Republic of Korea)*, Sang-Bum Hong, Kyeongman Woo Hyun Cho, Soohyun Bae, Heung Bum Lee, Hyun-Kyung Lee, Chang Jin Hyoung Kim, Youjin Chang, Hyun-Il Gil, Beomsu Shin, Kwang Ha Yoo, Jee Youn Oh, Ae-Rin Baek	ghwan Kim, Jae Young Moon,
12:00-12:10	A028-8	Correlation of fungal infection risk factor on fungal colonization sequelae patients with recurrent hemoptysis in labuang baji hos	•
12.00 12.10		Jamaluddin Madolangan (Indonesia)*, Irawaty Djaharuddin	



SPONSORSHIP & EXHIBITION

Acknowledgments

The Organizing Committee would like to recognize the following sponsors and collaborating organizations for their generous contributions and support of APSR 2022.



BORYUNG









































































































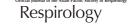














EXHIBITION

Exhibit Floor Plan and Listing

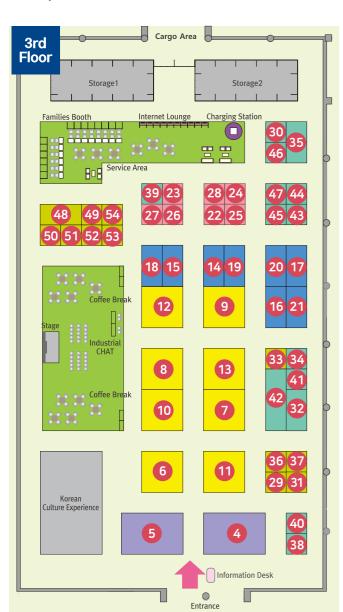
During the APSR 2022, all participants have access to the industry exhibition, which is located in Hall D1 Lobby, Hall D 3F and Grand Ballroom Lobby, 1F Coex. Coffee Break will be served in the exhibition area.

Exhibit Hours

 Friday 18 November
 09:00-17:00

 Saturday 19 November
 09:00-17:00

 Sunday 20 November
 09:00-12:30



Industrial CHAT Hours

Friday 18 November	Daewon Pharmaceutical
Codaewon S	10:55-11:05

Clinical Value and Advantages of New Antitussive Seong Yong Lim (Sungkyunkwan University School of Medicine, Republic of Korea)

Saturday 19 November

SHANLIM PHARM

Bronpass Tab.

10:55-11:05

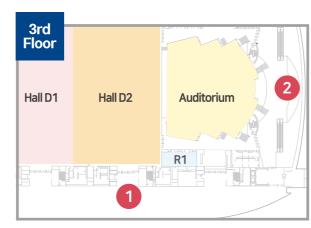
Experimental and Clinical Evidence of Bronpass® Joon Young Choi (Incheon St. Mary Hospital,
Catholic University of Korea, Republic of Korea)

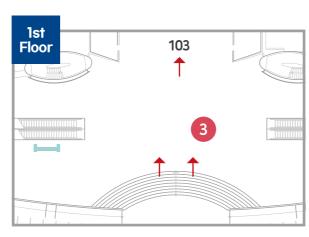
Ulistin Inj.

15:35-15:45

Ulinastatin in ICU

Dong-Hyun Lee (Dong-A University Hospital, Republic of Korea)





No Exhibitor Booth No 1 Boryung Co. 2 GSK 3 YUHAN D-2 (3F, Auditoriu Lobby) D-3 (1F, Grand Ballroom Lobb) 4 DAEWON Pharmaceutical Co., Ltd. 5 Novartis P-2 6 AstraZeneca Korea G-1 7 Boehringer Ingelheim Korea	by) ım
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2 GSK (3F, Auditoriu Lobby) D-3 (1F, Grand Ballroom Lobb) DAEWON Pharmaceutical Co., Ltd. Novartis P-2 AstraZeneca Korea G-1 Boehringer Ingelheim Korea G-2	
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6 AstraZeneca Korea G-1 7 Boehringer Ingelheim Korea G-2	
7 Boehringer Ingelheim Korea G-2	
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Janssen Korea B-5	

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28	Teva-Handok	B-7
29	Abbott Korea	E-1
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32	Erbe Medical	E-4
33	FCU Co., Ltd.	E-5
34	Fisher & Paykel Healthcare Asia Ltd.	E-6
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Profiles

BORYUNG

Boryung Co. Booth No. D-1 (3F, Hall D Lobby)

The history of Boryung began in 1957 with the opening of the Boryung Pharmacy in Jongno 5-ga, based on the spirit of the founder Kim Seung-ho, who used to ride his bicycle around the city to get medicines for sick people no matter how hard they were to find.

The founder's deep devotion with great sincerity to provide "medicine for the sick" has been expanded since 1957 and passed onto our current mission to become an indispensable to human health.

We kindly ask for your consistent attention to our new challenges and journey under the new name Boryung in 2022.



GSK

Booth No. D-2 (3F, Auditorium Lobby)

GSK is a global biopharma company with a purpose to unite science, technology and talent to get ahead of disease, aiming to impact the health of 2.5 billion people over the next 10 years.



YUHAN

Booth No. D-3 (1F, Grand Ballroom Lobby)

The way of Yuhan

Yuhan corporation, a group loved by the people and grown together with the people for the last 90yeaers, the corporate culture of honesty and integrity, and the strong beliefs in social responsibility are what made Yuhan what it is today. Looking back on the path that we moved on and thinking of the path ahead, Yuhan will make the leap as a global pharmaceutical company through innovative new drug development, and by enabling healthiness and happiness for all the people in the world. In the next 100 years, Yuhan Corporation will follow the noble spirit of our founder, Dr. New Ilhan, and write the history of challenge and development moving forward. Our challenge has already begun.

paemou

Pharmaceutical

DAEWON Pharmaceutical Co., Ltd.

Booth No. P-1

Founded in 1958, Daewon Pharmaceutical has always been a reliable companion for medical professionals and patients. As one of the largest therapeutic agent manufacturer in Korea, Daewon will always be your unchanging partner, wherever and whenever.



Novartis Booth No. P-2

Novartis - Reimagine Medicine

Across 142 countries worldwide, 110,738 persons work at Novartis and 769m patients are treated with Novartis products. Novartis is building therapeutic area depth as no. of drugs in pipeline from 2018 to 2020 among the top 25 global pharmaceutical firms in the world.

In Korea, Novartis contributes to innovation through scientific collaboration and networking and continues to support neighbors in need with local communities.



AstraZeneca Korea

Booth No. G-1

We are focused on creating genuinely innovative medicines and improving access to them. In this way, we deliver the greatest benefit to patients, healthcare systems and societies globally. We have three priorities designed to deliver our growth through innovation strategy.



Boehringer Ingelheim Korea

Booth No. G-2

The pharmaceutical company Boehringer Ingelheim was founded in 1885 by Albert Boehringer in Ingelheim. The company has contributed to human health by continuing to research and develop innovate drugs over the past 130 years.

Day by day, the 50,000 employees of Boehringer Ingelheim create value through innovation with a clear goal to provide more health and improve the lives of both humans and animals. As part of research and development activities for innovative drugs, the company focuses primarily on the therapeutic areas of cardiovascular disease, respiratory diseases, diseases of the central nervous system, metabolic diseases, and oncology.

Boehringer Ingelheim Korea was founded in 1976 and creates value through innovation in the business areas: human medicine, animal medicine.

Among the human pharmaceutical department, anti-cancer drug department is dedicated to shedding light on the unresolved problems of oncology and improving quality of life of patients through steady research based on scientific evidence





Hanmi Pharm.Co.,Ltd.

Booth No. G-3

Creativity & Innovation

Hanmi jumps up to be a global leading pharmaceutical company with development of new biologics, new chemical entities, and innovative new drugs. The slogan of Hanmi is 'creation and challenge' as Hanmi tries to make new ways for the domestic pharmaceutical market. We have started a distribution revolution with RFID technology, the nation's very first success of US expansion with IMD, and R&D collaboration with global companies.

No.1 R&D

In 2014, Hanmi invested over 150 billion won in R&D for the first time. Based on this, Hanmi focuses on developing new drug projects such as LAPSCOVERY and anticancer drugs targeting the global market. The synergy effect of research and development is expected from our "Open Innovation" strategy, which opened other excellent R&D capabilities.

ILDONG

Ildong Pharmaceutical

Booth No. G-4

Since Ildong Pharmaceutical Group was founded in 1941 under the philosophy of 'pharmaceuticals are rooted in humans', we have strived for the healthier lives of people placing our highest value on humanity and lives.

It is our belief that we at Ildong Group exist to bring health and well-being to people around the world. We have created and shared significant value for health and prosperity throughout many years and will continue this endeavor.

Ildong has become one of the leading pharmaceuticals in South Korea with powerful brand lineups including Aronamin, Biovita, and other major OTC products. We developed robust product pipelines for ethical drugs using our advanced technologies and diverse strategic partnerships.

Following the successful development of Besivo, a new drug for chronic hepatitis B treatment, we are focusing our resources and efforts on the success of various ongoing R&D projects and pipelines.

Ildong Bioscience, Ildong Hyaltech, Ildong E-commerce, Ildong Healthcare, Uni Communications, Rutec, and all other affiliates are actively promoting the health and well-being of people in various areas- food, health supplement products, distribution, marketing, and IT.

At Ildong Pharmaceutical Group, we continue to make our utmost efforts to create a healthier and brighter tomorrow and adhere to our corporate philosophy of 'being a leading global organization that helps people live healthier and happier lives.'

WKOLON PHARMA

KOLON PHARMA

Booth No. G-5

KOLON PHARMA is striving to become the most trusted company by customers based on transparent and ethical management in a rapidly changing pharmaceutical environment.

In addition, we are concentrating our competencies to develop new excellent brand new products and leading health care products that will lead future growth, and to supply high-quality products, and are making continuous achievements.



ORGANON KOREA Co., Ltd.

Booth No. G-6

Organon is a global healthcare company formed through a spinoff from Merck (known as MSD outside of the U.S. and Canada) with a mission to deliver impactful medicines and solutions for a healthier every day. We build upon our strong foundation of more than 60 medicines and other products across a range of areas including reproductive health, heart disease, dermatology, allergies and asthma.

We bring these important therapies around the world, with an international footprint that serves people in more than 140 markets. We believe the diversity of our business provides a sustainable engine of growth so we can continue to invest in and advance new medicines and treatments for women that are so urgently needed.

We are here for her health.

Sama 삼아제약

SAMA PHARM Co., Ltd.

Booth No. G-7

Since SAMA was founded in 1945, we have continuously committed to researching and working to improve the health and the quality of life of people with a core belief in our Respect for Human Dignity and Life. At the same time, we have been practicing precision management as an exemplary pharmaceutical company.

SAMA will continue our utmost efforts in research and development to improve the quality of life through our constant change and innovation. We will also continue to practice our business based on our core value of Respect for Human Dianity.

We wish all of you the good health and happiness.

sanofi

sanofi

Booth No. G-8

Sanofi's specialty care business unit focuses on rare diseases, rare blood disorders, neurology, immunology, and oncology. Sanofi's ambition is to leverage science and innovation to improve people's lives and be the industry leader in immunology and oncology. Its approach is shaped by a long history of developing highly specialized treatments and forging close relationships with physician and patient communities.



Ahngook Pharm

Booth No. S-1

For a better life! Realizing human health and happiness through the development of excellent pharmaceuticals

- 1. We offer safer and more differentiated health care products to our customers by integrating medical technology and digital information.
- 2. We leap forward as a K-Health company that improves the quality of life for people who take advantage of Ahn-gook's Total Healthcare service.





Chong Kun Dang pharmaceutical

Booth No. S-2

[About Chong Kun Dang]

Manufacture and sale of medicines

Chong Kun Dang Pharmaceutical Corp. is one of leading Korean pharmaceutical manufacturers and has a great strength on domestic sales not only with prescription drugs indicated for anti-hypertension, anti-hyperlipidemia and anti-diabetics but also with OTC drugs such as Penzal, Prefemine, Modcol and consumer health such as insecticides, hairdye, etc.

[Our strategy]

We focus on finding new medicines and diagnostics and establishing data-based insights that evolve the practice of medicine and help patients live longer, better lives.

[OUR MISSION]

Better Life through Better Medicine

Contributing to improved quality of life and

public welfare by developing quality medicine

[Chong Kun Dang]

Dedicated to pharmaceuticals since its foundation, Chong Kun Dang has overcome many challenges, while continuing to grow and contribute to the advancement of Korea's pharmaceutical industry.

In the days when Korea imported 100% of the raw materials required for medicines from abroad, we built Korea's largest plants for chemical synthesis and fermentation, making it possible to produce pharmaceutical ingredients locally using our own technology. From there, we had driven Korean Pharmaceutical Industry with this breakthrough on the path toward modernization.

Furthermore, we became the first Korean pharmaceutical company to export products to the US market through the obtainment of the U.S. FDA

approval. Now, on its 77th anniversary, we promise to put all efforts to lead continuous change and innovation, positioning Chong Kun Dang as a global pharmaceutical company with a competitive edge in the international market.



GeneX Inc. Booth No. S-3

GeneX Inc. was established in 2013 and contracted with Cepheid Inc. as the sole authorized distributor. we consistently found innovative products from a number of agencies, introducing them to domestic hospitals.

In particular, we have focused on sophisticated products related to molecular diagnostics and IVD based on Real-time PCR product.



MEKICS Co., Ltd

Booth No. S-4

MEKICS is taking the lead in providing total respiratory care solutions by developing 'OmniOx' equipped with HFNC and NIV functions for the first time in the world based on its proprietary respiratory therapy convergence technology and establishing a diverse line-up.

We provide evidence for the effects of demographic and environmental changes on the respiration health of the world's population through continuous and diverse research and create the possibility of extending respiratory therapy, which is limited by time and space to daily life. And we committed by providing products and services suitable for the respiratory therapy environment extended to satisfy both clinician and patient through continuous communication with the medical field



MSD Korea

Booth No. S-5

We have always been and always will be inventing for the single greatest purpose: Life

We aspire to be the premier research-intensive biopharmaceutical company in the world.

For more than 125 years, MSD has been inventing for life, bringing forward medicines and vaccines for many of the world's most challenging diseases in pursuit of our mission to save and improve lives. We've been guided by the view that great medicines and vaccines change the world. Our legacy of inventing medicines and vaccines continues to this day. We adapt our business not only for the next quarter but for the next quarter century.

We demonstrate our commitment to patients and population health by increasing access to health care through farreaching policies, programs and partnerships.

Today, we continue to be at the forefront of research to prevent and treat diseases that threaten people and animals – including cancer, infectious diseases, such as HIV and Ebola, and emerging animal diseases.



Pfizer Korea

Booth No. S-6

Breakthroughs That Change Patients' Lives

We apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety & value in the discovery, development and manufacture of health care products.





Shinhan Medical Co., Ltd.

Booth No. S-7

Since 1983, Shinhan Medical Co. has been importing high-tech medical equipment specialized in respiratory diagnostics. Beyond importing and supplying the equipment, Shinhan Medical aims to provide the best customer care with our team of well-experienced engineers and educators. Not only that, Shinhan Medical thrives to continuously research and study the matters related to respiratory care to equip ourselves with sound knowledge.

Along with the new Vyntus Series' recent successful launch, now networking the devices and syncing EMR has never been easier

We promise to provide the best possible quality and value for the patients and physicians.

For more details, please visit our website or contact one of our friendly representatives.



Takeda Pharmaceuticals Korea CO., Ltd.

Booth No. S-8

Takeda Oncology, the Global Oncology Business Unit of Takeda Pharmaceutical, is headquartered in Massachusetts. By concentrating the power of leading scientific minds and the vast resources of a global pharmaceutical company, we are finding innovative way to improve the treatment of cancer.

- ALUNBRIG (brigatinib) Approved for FIRST-LINE USE in ALK+ Metastatic NSCLC
- EXKIVITY (mobocertinib) is an oral therapy that targets epidermal growth factor receptor (EGFR) Exon20 insertion mutations for people who have been on chemotherapy



AJU PHARM CO., LTD.

Booth No. B-1

Since 1953, we have strived to not only treat the sick but also to help everyone live healthier and happier lives through our pharmaceutical, medical device, CMO, and consumer health businesses.

While providing high-quality products through technical innovations and investments in manufacturing facilities, Aju Pharm continually endeavors to create new products through R&D and open innovation.



BUKWANG PHARM. CO., LTD.

Booth No. B-2

Trusted Company

Bukwang Pharmaceutical Co., Ltd. was established on October 17th, 1960 and has since continued to produce excellent medications with the aim of improving global health for the last 55 years. Since Bukwang was listed in the Korea Stock Exchange in 1988, Bukwang is proud to have kept a healthy financial status and stable track record that earned trust from its employees and shareholders. Bukwang's operating profit is at the top of the rank in the industry, nearing 20% as of financial year 2014.

Bukwang's armamentarium consists of more than 100 products in various therapeutic areas: liver disease treatments such as Levovir and Legalon, diabetic complication products such as Dexid and Thioctacid, CNS disorder drugs including Lonasen, Ixel and Orfil, and respiratory disease treatments such as Azeptin and Asima. Bukwang continues to grow its original drug business through consistent focus on new drug development.



DaeWoong Pharmaceuticals Korea CO., Ltd.

Booth No. B-3

Since its foundation in 1945, Daewoong Pharmaceutical has grown into Korea's leading pharmaceutical firm through endless challenges and innovations in line with our corporate philosophy of 'developing quality medicine to safeguard the health of the people and contribute to a healthier society.'

Daewoong Pharmaceutical is consolidating its global competitiveness and R&D capabilities.

Daewoong Pharmaceutical has established itself as Korea's leading pharmaceutical company that researches, develops and manufactures medicines to compete in the global market by engaging in a wide range of partnerships with leading healthcare companies worldwide and building the most number of regional infrastructures compared to other Korean pharmaceutical firms.

In particular, we have obtained International Standard Certifications including the environmental management systems (ISO 14001), occupational health and safety systems (ISO 45001, KOSHA-MS), and quality management systems (ISO 9001). We have acquired GMP Certifications from regulatory agencies of developed countries such as the US Food and Drug Administration (FDA) and European Medicines Agency (EMA), demonstrating our highly developed quality management system.

We strive endlessly to fulfill our goal of producing the world's first-in-class and best-in-class new drug through continuous R&D investment and open collaboration. Our unceasing effort is channeled towards diversifying our new drug pipeline and platform technology to ultimately progress human health and quality of life.

Daewoong Pharmaceutical believes that the growth of employees translates into the growth of the company.

Based on the management principle that the "company grows as its employees grow", Daewoong practices a Smart-Work Office to foster an autonomous and immersive work environment, in addition to introducing Career Development Program (CDP), flexible working, Daewoong Global Talent Program, and Daewoong Al/Bigdata Academy(DABA). We are dedicated to cultivating industry-leading corporate culture and institution.

Daewoong Pharmaceutical will leap beyond Korea and into the world.

Daewoong Pharmaceutical aspires to move beyond its title as Korea's leading pharmaceutical company to become a healthcare group of global reputation. We will promote sustainable future growth by strengthening internal stability through responsible management, and responding guickly and flexibly to external environmental changes.

Daewoong Pharmaceutical will devote itself to become a global healthcare group that creates new values to advance human health and quality of life based on continuous innovation.



HANLIM Pharm. CO., LTD.

Booth No. B-4

Since HANLIM Pharm. was established in 1974, we have constantly put our entire effort to develop and provide a wide range of pharmaceutical products. We will strive to create significant and sustainable values in the future and expand our research and development pipleline in various therapeutic areas.





Janssen Korea Booth No. B-5

At Janssen, we're creating a future where disease is a thing of the past. We're the Pharmaceutical Companies of Johnson & Johnson, working tirelessly to make that future a reality for patients everywhere by fighting sickness with science, improving access with ingenuity, and healing hopelessness with heart. We focus on areas of medicine where we can make the biggest difference: Cardiovascular & Metabolism, Immunology, Infectious Diseases & Vaccines, Neuroscience, Oncology, and Pulmonary Hypertension.

- * We Are Pioneers: We have 40,000 people around the world who show up every day to achieve the unimaginable. This work requires heart, science, and ingenuity. We never stop imagining a future where the most challenging diseases are a thing of the past.
- * We Are Focused: We are driven by the fact that patients are waiting for breakthroughs. We focus on six areas of medicine where the need is high, the science is compelling, and the opportunity to make a difference is great.
- * We Are Partners: In order to make the greatest impact, we collaborate with experts at every stage, from early discovery to market access.



Roche Korea Co., Ltd

Booth No. B-6

Roche Korea is a Korean affiliate of the pharmaceutical division of Roche Group, a global leader in cancer treatment and personalized healthcare. Since its foundation, it has constantly provided innovative treatments for cancer, the No.1 cause of death in Korea, establishing itself as the nation's largest cancer-drug provider. It builds all the business activities on Patient-centricity. It works with researchers from nearly 500 medical institutions in Korea for the development of innovative drugs and strives to expand patient access to them. In immunotherapy, a promising field of cancer treatment, it has been able to improve patient access by adding non-small cell lung cancer and urothelial cancer to the reimbursed indications of its immuno-oncology drug Tecentriq through the reimbursement negotiations, where it was able to remove restrictions on the reimbursement, including PD-L1 expression. Its impressive move has been once again observed in July this year when it was able to add extensive-stage small cell lung cancer to the reimbursed indication of its immunotherapy. Roche Korea strives to build a fast and efficient corporate culture by adopting agile methods and practices in its operations to offer innovative drugs to more patients faster. It has been on the list of Korea's top 100 best workplaces for two years in a row-2018 and 2019-for constantly creating new opportunities for employment and offering better working condition. Roche Korea is making various endeavors to provide greater treatment options to patients and healthcare professionals and create a better healthcare environment where patients have affordable access to treatment. With bold investment in R&D, it hosts 45% of the oncology trials and 30% of early phase trials, carried out by the global headquarters. Going forward, it will continue to dedicate itself to the development and delivery of novel drugs. Based on the "One Roche" team spirit, shared with Roche Diagnostics Korea, a Korean office of the Diagnostics division, it will provide innovative solutions for personalized healthcare that combine the diagnostics, treatment, and monitoring of diseases, taking the lead in a journey towards a healthier Korea.



Teva-Handok

Booth No. B-7

Teva-Handokis a pharmaceutical company established in October 2013, a joint venture stablished by joint investment of Teva, a global pharmaceutical company, and Handok with a 68-year tradition in Korea. Teva-Handok provides innovative new drugs and generic drugs to fulfill its vision of "giving more benefits to more patients", and plans to launch drugs in various fields in the future.



Abbott Korea

Booth No. E-1

Since 1980, Abbott Korea has been dedicated to helping Koreans live healthier lives through a diverse range of diagnostics tools, medical devices and branded generic pharmaceuticals.

Abbott established pharmaceuticals business specializes in the following high-growth therapeutic areas: gastroenterology, women's health, cardiometabolic, pain management/central nervous system, respiratory and influenza vaccines. Abbott is the only global company with a pharmaceutical business that is 100 percent focused on emerging markets. We have built our pharmaceuticals business to be driven locally and powered globally, which helps us meet local health needs. Abbott will continue to strive to do more. Offer more affordable medicines, offer more health solutions and keep more people healthy.



BCworld Pharm.

Booth No. E-2

BCWP is expertized in the formulation and process development to provide quality generics. BCWP not only has been certified as Korea Innovative pharmaceutical company but also designated as Advanced Technology Center. BCWP is specialized in DDS technologies by way of proactive investments. In facilities complied with EU/ cGMP standards, liquid and powder injection, lyophilized injection, and oral solid forms are manufactured. In 2019, the manufacturing site dedicated to Carbapenem injections completed its construction in Wonju city.



Broncus Medical

Booth No. E-3

Broncus, a pioneer in the field of Interventional Pulmonology, is a medical device company specializing in the global development and distribution of innovative lung solutions. Broncus' integrated whole lung access navigation platform addresses the clinical challenges and unmet needs of existing technologies in the diagnosis and treatment of lung disease. Our vision is to be a global leader in the transformation of lung disease treatment. Our mission is to establish bronchoscopic diagnostic and therapeutic solutions as the gold standard for the diagnosis and treatment of lung disease.





Erbe Medical Booth No. E-4

ERBE ELEKTROMEDIZIN GMBH

Setting standards since 1851

As a family-owned and operated business, Erbe develops, manufactures and markets surgical systems for professional use in various medical disciplines all over the world.



FCU Co., Ltd. Booth No. E-5

We develops and manufactures Mobile ultrasound imaging systems and Ultrasound probes. As a professional medical device manufacturer, we have ISO13485/KGMP/MFDS/CE/FDA-certificated products. In particular, we have the world's first needle navigation mobile ultrasound that shows the expected needle path and the expected destination of the needle tip in real time. It has not only Best-in-class image quality for diagnosis but also Needle guide system. It provides medical staff with accurate and safe procedures to avoid hazardous areas. It will increase their convenience and keep the patient safe.



Fisher & Paykel Healthcare Asia Ltd.

Booth No. E-6

At Fisher & Paykel Healthcare, we fully understand the life-changing impact that can result from delivering inspired and world-leading healthcare solutions.

After all, we changed the way the world delivers respiratory humidification to critically ill patients in hospital, and were the first organization in the world to make a humidifier specifically for use in the treatment of patients with obstructive sleep annea.

Today, through an unrivalled commitment to innovation; to doing the right thing; and doing what is best for the patient, we continue to inspire world-leading healthcare solutions.

Our team of self-motivated, empathetic and committed individuals is our strength. It is this team; our originality; the value we place on relationships; our international perspective; and the utmost care for all patients, customers, suppliers, shareholders, as well as the environment, that will ultimately ensure we will be the healthcare company of choice.



GE Healthcare Korea

Booth No. E-7

As a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform.

We are committed to fostering an inclusive culture of respect, transparency, and unyielding integrity. We're working to solve the greatest challenges in healthcare that patients and clinicians face to and in the future. Together, we are not only building a healthcare but living our purpose to create a world where healthcare has no limits.



Handok Booth No, E-8

The Health Innovator, Handok.

Handok (Chairman & CEO Young-Jin Kim) is committed to innovation and its business has grown both through strategic partnerships with other companies as well as through innovative research. Handok was founded in 1954 and has been listed on the Korea Stock Exchange since 1976. The company has never recorded a deficit year since establishment. Handok grew as a joint venture with Hoechst/Aventis/Sanofi from 1964 to 2012. Handok has also established strategic

collaborations in several areas with multiple multinational pharmaceutical companies. Handok ended its joint venture relationship with Sanofi in 2012 and became an independent company again. Handok changed its company name from Handok Pharmaceutical Co., Ltd to Handok Inc. and declared its vision to become "The Health Innovator" and as Korea's leading global healthcare company. Handok introduces new products to the Korean market through partnerships, internal R&D, and state-of-the-art manufacturing while maintaining a global standards compliance program.

Handok is a total healthcare company. Handok's businesses mainly focus on prescription drugs along with consumer health care products, medical devices and in vitro diagnostics, food supplements and medical nutrition.

Handok is one of the leading pharmaceutical companies which highly value ethical business practices. It has fully implemented comprehensive codes of conduct. This commitment has been recognized with the Special Ethical Management Award conferred by the Health Industry CEO Summit in 2008 and the Excellence prize for Transparent Management by Korea's five major economic organizations including KEF, FKI in 2010.



Hunan Vathin Medical Instrument Co., Ltd.

Booth No. E-9

Vathin specializes in the production, development and sales of single-use bronchoscopes. Core employees of Vathin have more than 20 years' experience in materials, optics, structure, electronics, software, manufacturing and other fields. In addition, our company dedicated on the guideline of "Safe Simply Smart" and has carried forward of the corporate spirit of "Humanism, innovation and preciseness".



Korea Otsuka Pharmaceutical Co., Ltd

Booth No. E-10

Korea Otsuka Pharmaceutical is the Korean subsidiary of esteemed global pharmaceutical company Otsuka Pharmaceutical. Despite being a subsidiary of a multinational pharmaceutical company, Korea Otsuka Pharmaceutical has established a self-reliant operational foundation in South Korea and contributed to the advancement of Korea's pharmaceutical industry by investing the revenue generated from the sales of pharmaceutical products back into production equipment and clinical research.

Equipped with a large-scale production facility in South Korea, Korea Otsuka Pharmaceutical contributes to the country's job creation and economic development by supplying superior pharmaceutical products, both domestically and internationally. In addition, we help to treat diseases and to maintain and improve the everyday health of Koreans by developing new drugs and creating added value for our products. Korea Otsuka Pharmaceutical is diligently fulfilling our role and mission as a company that contributes to the healthy life of Koreans, providing continuous values based on a deep understanding of customers, the market and corporate social responsibility.





Kwangdong Pharmaceutical

Booth No. E-11

Kwangdong was founded with the goal of providing high quality pharmaceuticals to our customers. We have developed pharmaceuticals and healthcare products for the improvement of human life.



National Hospice Center

Booth No. E-12

The National Hospice Center (NHC) strives to establish holistic care environment by improving availability, quality, evidence, and cooperation for end-of-life care. To effectively achieve the above goals, NHC currently functions in the following areas: monitoring quality of care, developing and distributing educational program, raising public awareness and producing evidence on end-of-life care. The National Cancer Center has been designated as a NHC by the Ministry of Health and Welfare since 2017, and has played various roles in improving the quality of life of terminally ill patients and their families.



NAUMED Inc.

Booth No. E-13

NAUMED Inc. is constantly striving to create greater value for healthcare workers and patients and to provide the best products and services.

"Provision of the latest medical technology"

NAUMED Inc. is trying to provide innovative and advanced products in high quality to the Korean medical market and to introduce new medical technology to the Korean market in line with the trends of the medical industry.

"Best Technical Support"

Our employees constantly receive training internally and receive training by overseas headquarters regularly to ensure that our customers are comfortable using innovative and up-to-date medical equipment and that patients receive optimal treatment.

"Growing Company, Pursuing Change and Innovation"

With rapid changes in the medical environment, NAUMED Inc. always studies and experiences in the field and strives to grow with the medical community without fear of change and innovation. Through this, we want to create corporate value and promote the development of our members.



OLYMPUS KOREA CO., LTD

Booth No. E-14

Olympus Korea (OKR) was established in 2000 as the sixth overseas corporation of Olympus Group. After establishing, OKR has shared Olympus' brand value in the Korean market by providing various our products such as endoscope, Endo-therapy accessories and surgical products.

As a leading medical technology company, our medical business uses innovative capabilities in medical technology, therapeutic intervention, and precision manufacturing to help healthcare professionals deliver diagnostic, therapeutic, and minimally invasive procedures to improve clinical outcomes, reduce overall costs, and enhance the quality of life for patients and their safety. Olympus' Medical portfolio includes endoscopes, laparoscopes, and video imaging systems, as well as surgical energy devices, system integration customer solutions, medical services, and a wide range of endotherapy instruments for endoscopic and therapeutic applications.



PENTAX Medical Korea

Booth No. E-15

PENTAX Medical is a division of HOYA Group delivering endo-imaging solutions. Established in 1919 in Japan, PENTAX Medical is a globally diversified company with R&D innovation and manufacturing centers in Japan, Europe and the United States. Through leading-edge optical technologies, PENTAX Medical is providing the most advanced clinically relevant endo-imaging solutions. Together with comprehensive customer service offerings, PENTAX Medical is collaborating with customers worldwide to create long-term partnerships and customer satisfaction.



ResMed Korea

Booth No. E-16

* About ResMed

Every day we come to work with a focus on building and supporting technology that helps people live healthier, happier lives. It began over 30 years ago with the invention of a machine that helped people breathe easier and sleep better. And it continues today with digital health solutions that help keep people out of the hospital.

* Our drive to innovate

We're leading the way in cloud-connected medical devices that transform care for people with sleep apnea, COPD and other chronic diseases. Our comprehensive out-of-hospital software platforms support the professionals and caregivers who help people stay healthy in the home or care setting of their choice.



Thermo Fisher SCIENTIFIC

Thermo Fisher Scientific Korea

Booth No. E-17

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, with annual revenue of approximately \$40 billion. Our Mission is to enable our customers to make the world healthier, cleaner and safer. Whether our customers are accelerating life sciences research, solving complex analytical challenges, increasing productivity in their laboratories, improving patient health through diagnostics or the development and manufacture of life-changing therapies, we are here to support them. Our global team delivers an unrivaled combination of innovative technologies, purchasing convenience and pharmaceutical services through our industry-leading brands, including Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific, Unity Lab Services, Patheon and PPD. For more information, please visit www.thermofisher.com.



YUNGJIN PHARM

Booth No. E-18

Yungjin Pharm. Co., Ltd was established in 1952, has been playing a major role as a forerunner in the Korean pharmaceutical industry for half a century. With our inspiring mission statement, "To relieve the suffering of mankind from diseases with our innovative, effective and safe pharmaceutical products", we have shown our successful contribution not only within Korea, but also through global expansion. As a result, we have received a total of 25 awards including the President Award for Superior Product Development, the Prime Minister Award, Industry Award and many more. These accomplishments demonstrate our sustainability and commitment to the development of innovative products and business excellence in both overseas and domestic segments.



YUYU Teijin Medicare

Booth No. E-19

Yuyu Teijin Medicare was established in 2006 as a joint venture with Yuyu pharma (Korea) and the Teijin group(Japan), and now is the leading provider of home healthcare service including home oxygen therapy(HOT), Ventilator and sleep apnea treatment in Korea.

About Yuyu Pharma

Yuyu Pharma(KRX: 000220) is a pharmaceutical company founded in 1941. The company manufactures, distributes, and does marketing for pharmaceutical products, medical devices, and medical foods in South Korea and Southeast Asia. Currently, Yuyu Pharma is focusing on developing new drugs for treating enlarged prostates and dry eye syndrome.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group offering advanced solutions in the areas of environmental value; safety, security and disaster mitigation; and demographic change and increased health consciousness. Its main fields of operation are high-performance fibers such as aramid, carbon fibers & composites, healthcare, films, resin & plastic processing, polyester fibers, products converting and IT.



APSR

Booth No. E-20

The objectives of the APSR are the advancement and promotion of knowledge of the respiratory system in health and disease. The Society strives to encourage research, improve clinical practice through training, increase awareness of health problems and promote the exchange of knowledge among respirologists in the Asia-Pacific region and beyond.



APSR 2023

Booth No. E-21

The 27th Congress of the Asian Pacific Society of Respirology

The Congress brings together the world's respiratory experts to present and discuss the latest scientific and clinical advances across the field of Respiratory Medicine. It is a valuable platform for all to learn from the leading experts, exchange ideas and stay up-to-date in Respirology. The theme for APSR Congress 2023 is Current Practice Future Care.

Whether you are a healthcare professional, researchers, scientist, academic or industry expert, there will be something for you!



American Thoracic Society

Booth No. E-22

The American Thoracic Society improves global health by advancing research, patient care, and public health in pulmonary disease, critical illness, and sleep disorders. Founded in 1905 to combat TB, the ATS has grown to tackle asthma, COPD, sepsis, acute respiratory distress, sleep apnea, and more.



European Respiratory Society

Booth No. E-23

The European Respiratory Society (ERS) is an international organisation that brings together physicians, healthcare professionals, scientists and other experts working in respiratory medicine. It is one of the leading medical organisations in the respiratory field, with a growing membership representing over 160 countries worldwide. Its mission is to promote lung health in order to alleviate suffering from disease and drive standards for respiratory medicine globally, www.ersnet.org







Booth No. E-24

The Japanese Respiratory Society (JRS) was founded in 1961. There are now approximately 13,000 members making it the biggest scientific respiratory society in Asian-Pacific Region.

JRS contributes to the promotion of respiratory health and welfare by engaging innovative science, culture, education, and clinical research in the field of respiratory health and diseases.

The 63rd Annual Meeting of the JRS will be held in Tokyo, 28-30 April 2023 under the presidency of Kazuhisa Takahashi. The theme of the Annual Meeting will be "Future of pulmonology pioneered by the fusion of knowledge"

Since Annual Meeting of 2001, the JRS began integrating international programs, which have been continuing with exchange and liaison with the Asian Pacific Society of Respirology, the American Thoracic Society and the European Respiratory Society.

The 10 JRS assemblies have been working actively.

- · Cell and Molecular Biology
- · Allergy, Immunology and Inflammation
- · Structure and Function
- · Obstructive Lung Disease

· Diffuse Lung Disease

· Infections and Tuberculosis

· Thoracic Oncology

· Respiratory Care

· Clinical Problems

· Pulmonary Circulation and Lung Injury

"Respiratory Investigation" is an official journal, published in English. The journal publishes original manuscripts on clinical investigations of a variety of respiratory diseases and medicines, along with articles concerning basic physiology, pathology, and cellular/molecular biology relating to any pulmonary diseases. The journal accepts contributions from members and non-members of the Society.

JRS invites you to apply for the Study Abroad Support for Foreign Researchers (Harasawa) Fellowship. The Fellowship aims to provide support to young researchers and specialised respiratory clinicians from countries other than Japan, who are pursing studies abroad and wish to contribute to the progress and development of respiratory study.



KATRD Booth No. E-25

The Korean Academy of Tuberculosis and Respiratory Diseases is preceded by the Academic Division of the Korean National Tuberculosis Association which was established on November 6, 1953 with the goal of advancing the research and study on tuberculosis and respiratory diseases and eradicating tuberculosis in Korea.

KATRD has 1,930 members as of November 2022. The Busan Chapter was formed in 1977, the Daegu Kyungbuk Chapter in 1985, the Kwangju Cheonnam Chapter in 1987, the Cheonbuk Chapter in 1989, the Kangwon Chapter in July 2003, the Daejeon Chapter in August 2007, and Jeju Chapter in 2012. The chapters are actively involved in academic exchanges and building fellowship among its members in manners that befit the respective regions.

Respirology

Respirology Editorial Office

Booth No. E-26

Respirology and Respirology Case Reports are the official peer-reviewed journals of the APSR, publishing research papers and clinical cases in all fields of respiratory medicine. APSR members receive free access to both publications, and a 50% discount on the article publication charge for Respirology Case Reports



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Yong Qi	A002-1
Yong Shik Kwon	AP05-191
Yong Suk Jo	YIA-1-4, AP01-22
Yong-Soo Kwon	A019-4
Yong-Soon Cho	AP06-335
Yongjae Choi	A009-6
Yonica Marie Dy	AP01-9
Yoo Jung Lee	A009-1
Yoomi Yeo	YIA-2-3
Yoonjoo Kim	AP08-469
Yoshiaki Kitaguchi	AP16-702
Yoshifumi Suzuki	A006-3
Youlim Kim	S35-2, PW03-2, ES06-1, A007-6, AP07-371, AP07-383
Young-Jae Cho	S30-3, PW01-1
Youngeun Jang	AP01-42, AP05-163
Yu Jin Hong	A010-8
Yu-Cheng Wu	AP05-230, AP11-559
Yu-Wei Liu	A026-4
Yuan-Yuan Huang	AP08-414

/ue Deng	AO14-7, AP11-566
/ue-Ting Huang	AP04-95
/uichi Nagata	AP12-617
⁄uka Nagae	AP01-46
/uka Naurzvai	AP01-47
⁄uki Sato	AP16-697
⁄uki Yagi	AP05-186
⁄uliza Yuliza	AP06-246
/uly Rahmawati	AP06-299
⁄umi Park	AP06-303
/uming Guo	S10-3
⁄un Seok Kim	YIA-2-6, AP16-703
⁄unha Nam	AP05-229
⁄unjoo lm	A005-7, A023-6
/usuke Shiraishi	YIA-1-6
⁄usuke Suzuki	AP07-359
⁄uta Sakano	AP08-439
⁄uto Yasuda	AP05-126
Z	
Zeara Anjelica Calma	AP14-634
Zhe Zhang	AP07-369
Ziya Karimov	AP05-202



AJU PHARM SINCE 1953

아주약품은 1953년 설립되어, 국내 최초의 결핵치료제 출시를 시작으로 현재까지 세계적 수준의 품질로 인정받는 의약품, 의료기기, 건강식품 등을 공급하는 손꼽히는 국내 대표 장수 기업 이자 글로벌 헬스케어 솔루션 기업입니다.



Synatura® Product Information

[분류번호] 222 / 진해거담제 [성분· 합량] 100 mL 중 황련수포화부탄율건조엑스 87.5 mg, 아이비염 30%에탄울엑스 262.5 mg [효능·호과] 1, 다음 질병으로 인한 기침, 가래 :급성 상기도 감염, 만성 염증성 기관지염 2, 급성 기관지염 (용법・용량] 1, 다음 질병으로 인한 기침, 가래 :급성 상기도 감염, 만성 염증성 기관지염 2, 급성 기관지염 3, 급용(1-30 * C)보관 [보험로드] 10 mL : 650203654 / 15 m

안국약품㈜ 본사 : 서울특별시 영등포구 시흥대로 613(대림동) / 공장 : 경기도 화성시 향남읍 제약공단1길 40 e Tl : 02)3289-4200

P071-A20220831





SYMBICORT® RELIEVER **CHANGES LIVES**

SYMBICORT® IS ANTI INFLAMMATORY RELIEVER

[심비코트는 천식환자의 치료, 중증의 만성폐쇄성폐질환에 허가되어 있습니다. 한국아스트라제네카는 허가되지 않은 적응증, 용량을 권장하지 않습니다.]

Reference 1. Partridge MR, et al. Attitudes and actions of asthma patients on regular maintenance therapy: the INSPIRE study. BMC Pulmonary Medicine 2006, 6:13. 2. 2019 GINA. 3. 2020 GINA. 4. 2021 GINA

Product Information [성분·항량] 심비코트 터부헬러 160/4.5μq (1g 중 주성분 : 부데소니드(미분화)(별규) ··· 180mg, 포르모테롤푸마르산염수화물(별규) ···5mg) [적용증] 천식환자의 치료, 중증의 만성폐쇄성 폐질환 [용 법•용량] 천식•이 약은 천식 증상의 예방과 증상의 완화 그리고 증상약화 위험의 감소를 포함한 전반적인 천식의 조절을 위한 천식의 치료를 목적으로 한다. 이 약은 흡입 코르티코스테로이드의 사용이 적합한 천식 환자들에게 천식 의 중증도와 상관없이 투여 가능하며 용량은 질환의 중증도에 따라 개인별로 조절해야 한다. 이는 치료의 시작 시기뿐 아니라 용량 조절 시기에도 고려되어야 한다. 만일 환자 개개인이 복합제로서 가능한 용량 이외의 복합 용량을 필 요로 하는 경우 개개 성분의 흡입제에 의한 작절한 용량의 β 2 효능약이나 코르티코스테로이드를 처방하여야 한다. 환자는 정기적으로 의사의 진단을 받아 최적의 용량을 유지할 수 있도록 해야 하며 천식증상을 조절할 수 있는 최 저용량으로 유지되어야 한다. 이 약은 아래와 같은 치료 요법들이 있다. 1.항염증 증상완화요법(Anti-inflammatory reliever therapy) 2.항염증 증상완화요법을 포함한 유지요법(Anti-inflammatory reliever plus maintr therapy) 3.유지요법(Maintenance therapy) 항염증 증상완화요법(경증천식환자): (1) 12세 이상의 청소년 및 성인: 환자는 증상완화를 위하여 필요시 1회를 흡입해야 하며, 천식 조절을 위하여 알레르기원 또는 운동으로 유발된 기관지수축의 예방 목적으로도 사용할 수 있다. 환자가 1회에 6번을 초과하여 흡입하지 않도록 한다. 총 1일 흡입용량은 8번 이하이지만 예외적인 경우에 일시적으로 1일 최대 12번까지 흡입할 수 있다. ·항염증 증상완화요법을 포 함한 유지요법 : (1) 12세 이상의 청소년 및 성인: 환자들은 추천 유지 용량(1회 1번을 1일 2회 흡입. 아침 1회, 저녁1회씩 흡입 또는 아침에만 2회 흡입 또는 저녁에만 2회 흡입)을 흡입한다. 일부 환자는 최대 1회 2번을 1일 2회 유 지요법으로 흡입할 수 있다. 환자는 증상완화를 위하여 필요시 1회를 흡입해야 하며, 만약 증상이 수분동안 지속되면 추가적인 흡입이 필요하다. 환자가 1회에 6번을 초과하여 흡입하지 않도록 한다. 총 1일 흡입용량은 8번 이하여 지만 예외적인 경우에 일시적 으로 1일 최대 12번까지 흡입할 수 있다. 1일 흡입용량이 8번 이상 요구되는 환자는 추가적인 의학적 처치가 필요하며, 환자의 상태를 재평가하고, 유지요법을 재고하여야 한다. (2) 12세 미만의 소이 12세 미만의 소아에게 증상완화를 포함한 유지요법은 추천되지 않는다. - 유지요법 : (1) 18세 이상의 성인 : 1회 1~2번을 1일 2회 흡입하거나 또는 1회 1~2번 1일 1회 흡입한다. 일부환자는 최대 1회 4번을 1일 2회까지 흡입할 수 있다. (2) 12~17세의 청소년 : 1회 1~2번을 1일 2회 흡입하거나 또는 1회 1~2번 1일 1회 저녁에 흡입한다. (3) 6세 이상 12세 미만 소아 : 1회 1번을 1일 2회 흡입한다. 1일 최대 2번까지 흡입할 수 있다. (4) 6세 : 6세 미만의 소아에 대하여 이 약의 투여는 추천되지 않는다. · 이 약 1일 2회 투여로 중상이 조절될 경우, 지속형 기관지 확장제가 증상조절에 필요하다는 의사의 처방이 있는 경우에 한하여, 최저유효용량으로의 용량 조절 범위여 이 약 1일 1회 투여가포함될 수 있다. ㆍ구제요법으로 사용하는 속효성 기관지확장제의 용량 증가는 기저 질환의 약화를 나타내며 천식 치료가 재평가되어야 한다. · 증상이 조절된 경우, 천식증상을 조절할 수 있는 최저용량으로 유 지되어야 한다. 특정환자군ㆍ노인환자의 경우 용량을 조절할 필요는 없다. ㆍ간이나 신손상 환자에서 이 약의 사용에 대한 자료는 없다. 부데소니드와 포르모테롤은 주로 간대사를 통해 제거되므로 심각한 간경화 환자에게는 노출의 월일: 2019년 11월 1일 ※보다 자세한 사항은 제품설명서 전문을 참조하시거나 아스트라제네카(주) TEL: (02, 2188, 0800)로 문의 바랍니다. (자세한 내용은 홈페이지 참조) aSYM201911011

KR-10500 | Exp. 2024-02 (Prep. 2022-02)

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ILD, interstitial lung disease; IPF, idiopathic pulmonary fibrosis; PF-ILD, pregressive fibrosing interstitial lung disease; SSc-ILD, systemic sclerosis-associated interstitial lung

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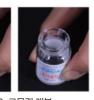
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*BFS : Blow-Fill-Seal technology

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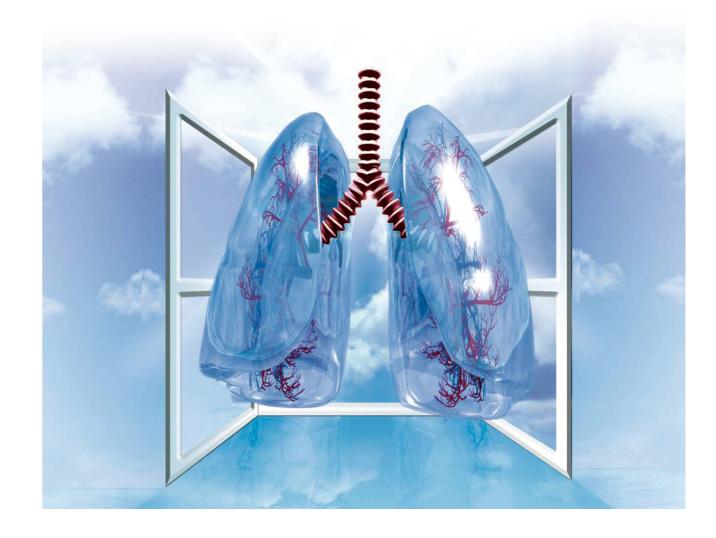


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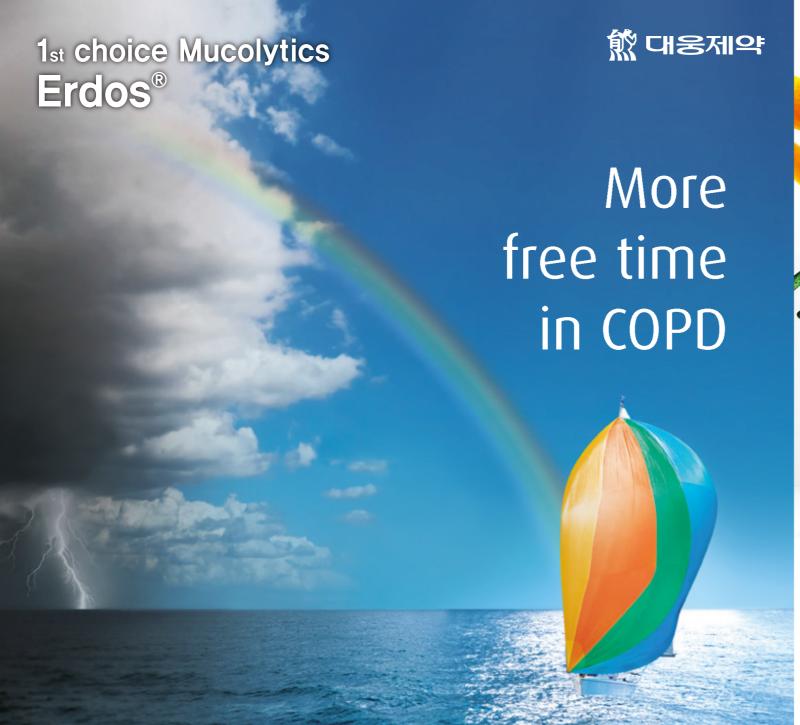


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- Muco-modulatory activity
- Bronchial anti-inflammatory activity
- Anti-oxidant activity
- Bacterial anti-adhesion activity





♦ Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Variation Var







Intended Use Detection of SARS-CoV-2

Test Run Time (Min)



Detection and differentiation of KPC, NDM, VIM, IMP-1 and OXA-48

Test Run Time (Min)



Intended Use Detection of MTB and rifampin resistance mutations

Test Run Time (Min)

♦ Xpert[®] C. difficile







Intended Use

Detection of Clostridium difficile infection and differentiate 027 strain

Test Run Time (Min)



Intended Use Pre-surgical testing of S. aureus

and MRSA





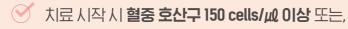
Intended Use **Detection of Enterovirus**

Test Run Time (Min)









✓ 치료시작전 12개월 이내에 혈중 호산구 300 cells/@ 이상

> 호산구성 천식 치료제'



누칼라주》

[표기 중증의 호신구성 천식 시험자 중 이 약투여군에서 3% 이상 발생하고,

유해사례	이 약(n = 263) %	위약(n = 257) %
두통		46(18%)
주사부위 반응		8(3%)
25	14(5%)	9(4%)
피로감		
	7(3%)	6(2%)
	9(3%)	4(2%)
상목부 통증		
	7(3%)	5(2%)
	9(3%)	1(<1%)
		1[<1%]

2022 대한민국 신약개발상 수상!

BRONPASS TAB.

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[제품명] 브론패스정 [성분·함량] 이 약 396.4mg 중 숙지황·목단피·오미자·천문동·황금·행인·백부근연조엑스(1.4~1.7→1)·옥수수전분 혼합건조물(4.8:1) 300 mg (별규) [성상] 연녹색의 타원형 필름코팅 정제 [효능·효과] 급성 기관지염 [용법·용량] 성인 1회 1정, 1일 2회 복용 [사용상의 주의사항] 1. 다음 환자에는 투여하지 말 것 1)신생아. 2)임부 또는 임신 가능성 여성 알라닌아미노전이효소 증가 1건, 아스 파르테이트아미노전이효소 증가 1건, 가슴 두근거림 1건 및 두드러기 1건이었으며 모두 경증으로 나타났다. [저장방법] 기밀용기, 실온(1-30°C)보관 [사용기한] 제조일로부터 36 개월 [보험약가] 183원/정 [포장단위] 30 정/병, 300 정/병

>>> 한림제약

PIRESPA® (Pirtenidone 200mg) | 보건의료전문가용 |

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몬테리진

(Montelukast Na + Levocetirizine 2HCI)



·두 성분의 상호보완작용으로 알레르기 비염 개선 효과 ·경구용 복합제로 복약 편의성 제공 ·3상 임상 통한 천식환자의 알레르기 비염에 대한 우월성 입증







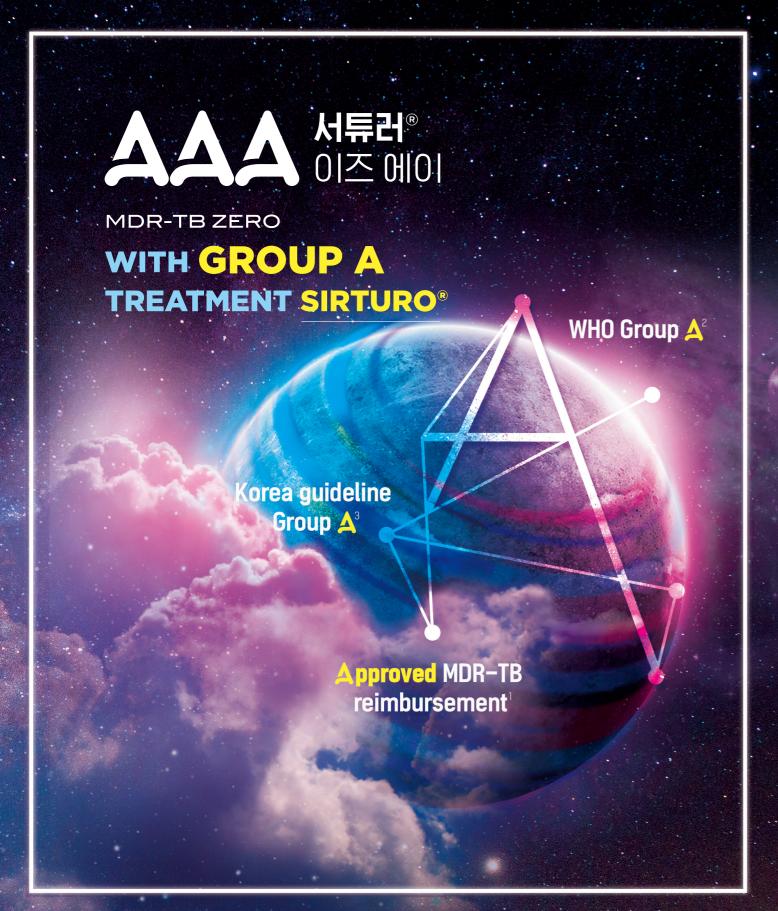


피레스파 발매 10주년

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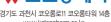
주가석인 홈입이 요구난다.(입 최대 8회) 2. 반성폐쇄성폐실환 1) 성반: 1회 간입을 1일 2회 홈입한다. 2) 소아: 18세 미반인 보이에 대한 이 약의 안전성 및 부표성은 확립되지 않았다. 3) 고경자, 고경자에서 두여당을 조설할 필요가 없다. 4) 간상에 또는 신상에 환자:
건정애환자 또는 신장애 환자에서 이 약의 사용에 대한 자료는 없다. 그러나, 포르모테몰파마르산염이수화물은 주로 간의 대사를 받으므로 증증의 간정환 환자에게 투약할 경우에는 약물이 보출이 증가될 수 있다. ■시용상의 주의사항: 1. 다음 환자에는 투여하지 말
것 1) 이 약의 성분에 대하여 과민증의 기양역이 있는 환자 2 다음 환자에는 신중히 투여 할 것 1) 이전의 전신 스테로이드 요법으로부터 부신가능이 순상된 것으로 생각되는 환자 2 성활관계 활환 환자 3) 이건 간격이 연장된 환자 4) 감상선증론증 환자 5) 당뇨병 및
그 병력이 있는 환자 6) 크롬친화성세포증 환자 7) 치료되지 않은 저결품혈증 환자 8) 폐결핵 환자 3. 일반적 주의 1) 치료 중단 시에는 용감을 정거적으로 줄이는 방법이 추천된다. 2) 갑작스러운 또는 전처적인 천식조절의 악화 시에는 흡입용 혹은 경구용
고르티고스테로이드를 증가하거나, 감염이 의심되는 경우에는 항생제 추가를 고려한다. 3) 천식중상 악화기에 투여를 시작해서는 안된다. 4) 증상이 없을 때에도 매일 흡입하며 증상이 잘 조절되면 감량을 고려한다. 5) 운동전 사용과 연원 생각 위원으로 사용할 수
없다. 6) 고등을 장기간 연용한 환자에서 구성증후로, 구성당 용모, 부인적제 소아 및 청소년에서의 성장지면, 골 무기점 말도 각소, 백대장, 녹대장 등이 발생할 수 있다. 7) 구강인다, 칸디즈옥의 영합을 최소화하기 위해 흡입 후 양치를 하거나 물로 입을 행귀준다. 8)
전신 및 국소 코르티코스테로이드 사용으로 시력점에가 보고될 수 있다. 환자에게 시아호림 또는 기타 시력장애와 같은 증상이 나타날 경우, 환자를 안과의사에게 보내어 백대장, 녹대장 또는 전신 및 국소 코르티코스테로이드 사용 후 보고된 중심장액백락임막병(CSCR)과 같은 화귀질환을 포함하여 발생 가능한 원인 평가를 고려해야 한다. ■저장방법: 기밀용기, 냉장보건(~8℃)(포스터 100/6 HFA), 실온보관(1~30℃) (포스터 넥스트할리) ■ 포장단위: 1동(20회)

다음 화자에는 신중히 투여 할 것 1) 이전의 전신 스테로이드 요법으로부터 부시기능이 손상된 것으로 생각되는 환자 2) 신혈관계 질환 환자 : 심장부정맥 3도 방실처단 번맥 특발성 대동맥판하부 현착증 비후성 폐색성심근병증 중증 심장질환 급성 심근경색 허혈상 다듬 환자에는 '안동이 부어 할 것 및 이다는 이건을 스타보이트 요립으로부터 우신가들이 논성된 것으로, 영식되는 현재 2 변환에게 잘한 의 전체 - 현장 현재, 한경 스타스 및 그 병역이 있는 현장 경험 스타스 및 그 병역이 있는 현장 실험적 하는 기본 이 발생 현장 경험 등 생활하고 있다는 간격이 연장된 환자 '모르모대를 자체가 있다'는 건축이 연장을 일으킬 수 있다. 시 감상선증도록 환자 당 당도 병 및 그 병력이 있는 환자 : 모르모대를 투여가 혈당 증가를 유발할 수 있으로, 당노병 환자에는 혈당을 모니터링하여야 한다. 6) 크롬친화성세포종 환자 가 치료되지 않은 저칼륨활종 환자 : 12~물등약을 고용량으로 투여 시 심각한 자칼륨혈증이 나타날 수 있다. 이런한 작용은 저산소중 또는 잔틴유도체, 스테로이드나 이뇨제의 병용 투여에 의해서 악화될 수 있으며, 기관지 확장제의 구제 요법을 수반하는 불안정형 천식환자에 있어서도 주의가 필요하다. 이러한 환자에서는 혈중 칼륨농도를 모니터링하여야 한다. 8) 폐결핵 환자 : 코르티코스테로이드를 함당하는 다른 흥외제와 마찬가지로, 활동성 또는 바활동성 폐결핵 환자 : 진관성 또는 바이러스성 기도감염 환자에는 이 약을 신중하게 투여한다. ■ 저장방법: 2~8 'C에서 냉장보관하며, 투여시작 후에는 25 'C이하에서 보관 시 최대 3개월까지 사용이 가능하다. ■

(Medierance) 1. 한국천식진료지침 2021, 대한천식알레르기학회 2. Global Initiative for Ashma 2022 3. 포스터® 100/6 HFA, 포스터넥스트할러 제품설명서 4. Scichilone N. Adv Ther 2015, Apr;32(4):285-92 5. Carpagnano GE et al, Pulm Pharmacol Ther, 2020 Feb80:101879 6, J Aerosol Med Pulm Drug Deliv, 2010 Jun;23(3):137-48,









소기도 말단까지 도달하여, 폐기능을

개선하고 악화를 예방합니다. 4-6

언제, 어디서나 *Portable HFNC* + *NIV*

HFT750은 배터리를 탑재하고 있어, '이동이 가능한 다기능 비침습적 호흡 치료기' 입니다.

삽관 이전 단계의 모든 호흡 보조 및 기능들을 제공하여 갑작스럽게 변화할 수 있는 환자 상태에 신속하게 대응할 수 있고,

환자 상태에 맞는 필수 모니터링 값과 알람을 제공하여 효율적으로 환자를 관리 할 수 있도록 합니다.







Brief Specificaion

제품기능 및 모드: HF 기능, CPAP 모드, bi-level 모드

모니터링 값

 $HF \& NIV - Flow rate, FiO_2, SpO_2, RR, PR, S/F ratio, PI 및 가습관련 온도 NIV only - PIP, PEEP, Vt est$

가습 온도 설정 범위

HF 기능: 34 °C부터 37 °C

CPAP & bi-level 모드: 꺼짐, 31 ℃부터 37 ℃

전력 소비량: 350 VA Max.

배터리 동작 시간: 배터리 100% 기준, 최소 30분 이상

제품 크기 : 21.4 x 33.8 x 21.9 (Width x Depth x Height) cm

제품 무게: 5.8 kg

[CONTACT]

All levels of respiratory patient acuity

HIGH FLOW NASAL CANNULA THERAPY

Low flow O₂

High concentration O₂ with oxygen mask

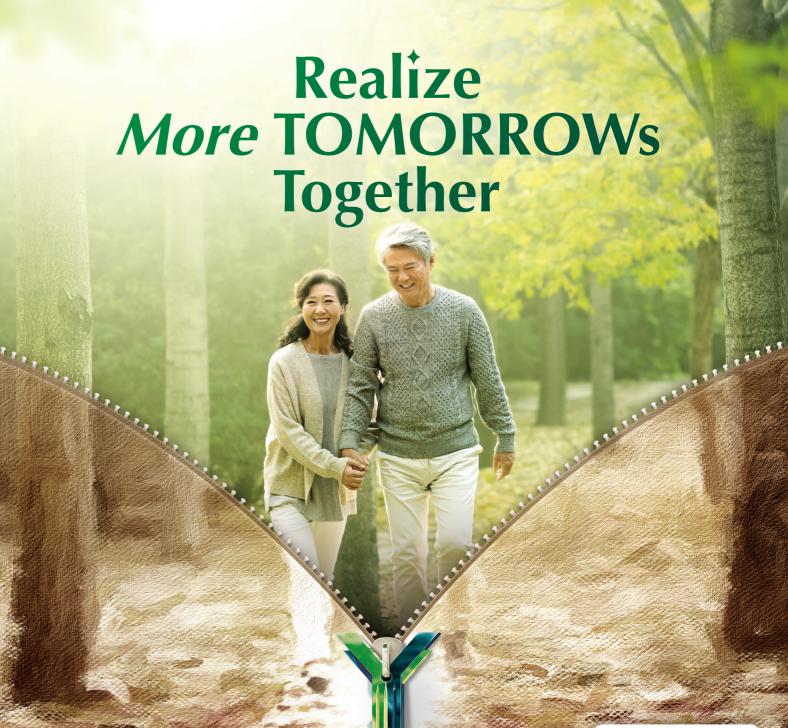
Non-Invasive ventilation

Invasive ventilation

HFNC, CPAP & bi-level

Customer Service I 070-7119-2510





Reference, 1, 키트루다 허가사항. 식품의약품안전

ICS/LABA 병용으로 적절히 조절되지 않는 성인 천식의 유지치료*

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- 폐기능 개선 및 천식 조절에 대한 우수한 효과²
- 흡입량 확인이 가능한 투명 캡슐¹
- 1x 하루 한번 흡입¹



Indacaterol acetate / glycopyrronium bromide / mometasone furoate inhalation powder 에너제어® 브리즈헬러®는 지속성 베타2 효능약과 흡입 코르티코스테로이드제의 병용 유지요법으로 적절히 조절되지 않는 성인 천식 환자의 1일 1회 천식 유지치료에 허가되었습니다.'

n=619, 중간용량 MF/IND. n=617, 고용량 MF/IND. n=618, 고용량 FLU/SAL. n=618).² 중간용량 및 고용량의 에너제어[®] 브리즈헬러[®]는 26주차에 상용하는 양의 MF/IND 대비 trough FEV을 각각 + 76mL (95 % CL: 41. 111) 및 + 65mL (95 % CL: 31. 99) 치료 차이로 유의하게 향상시켰습니다 (p ~0.001. superiority. 1차 평개변수).² 26주차에 MF/IND 대비 ACO-7 점수의 개선은 충족되지 않았습니다. 그러나 5개 치료군 모두에서 베이스라인 대비 임상적으로 의미있는 ACO-7 점수의 개선을 보여주었습니다 (2차 평가변수).²

ACO-7, Asthma Control Questionnaire-7; Cl. confidence interval; FEV., forced expiratory volume in one second; FLU. fluticasone; ICS. inhalc corticosteroids; IND. indacaterol; LABA. long-acting beta2-agonist; MF, mometasone furoate; LAMA. long-acting muscarinic antagonist; SA salmeterol.

Product Information



에너제어[®] 흡입용캡슐 150/50/80 마이크로그램 인다카테롤, 글리코피로니움, 모메타손푸로에이트



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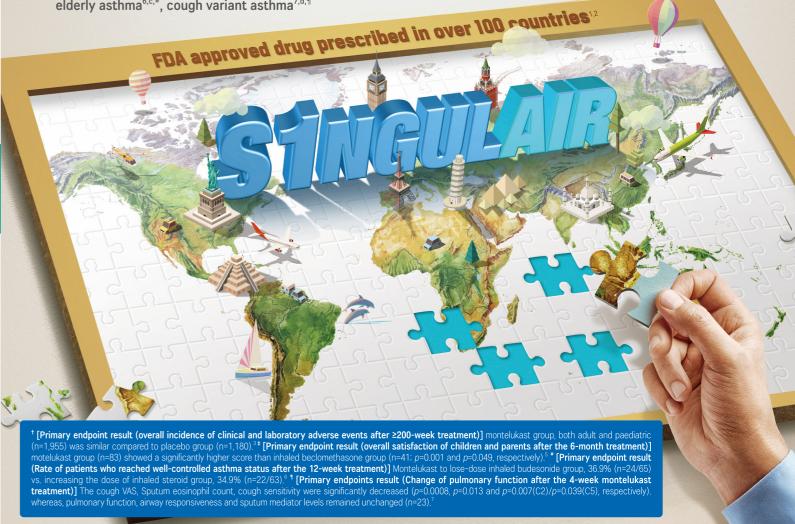
1. 에너제어[®] 브리즈헬러[®] 식품의약품안전처 의약품통합정보시스템(nedrug.mfds.go.kr) 2. Kerstjens HAM et al. *Lancet Respir Med* 2020 Oct;8(10):1000-1012

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FDA: Food and Drug Administration

Study design a. A poole analysis of safety data from 11 multicente, randomized, controlled monthelutast Phase Ib and II trials and five long-term entersion studies were performed. A total of 3,386 adult patients (aged 15-85 years) and 326 paediatric patients(aged 6-14 years) were enrolled in the trials, 2021 adults received 2-2000 mg monthelutast 5 mg developed belotive proposed provided in the control of th

SNOLLAR® Selected safety information [Indication and usage]. If proxylysis and chronic treatment for attimus 2 the relet of amyrotation and administration [SNOLLAR® should be taken once daily for application prices in the evening. 10 mg and administration [SNOLLAR® should be taken once daily for administration [SNOLLAR® should be taken on the evening. 11 mg and administration [SNOLLAR® should be taken once daily and administration [SNOLLAR® should be taken once daily call administration [SNOLLAR® should be taken once daily call administration. Stepl and effectiveness in predictive patients; a proposed property in the formation of a gard, and go and should be taken once daily or administration. Stepl and effectiveness in predictive patients; a purple with a formation of a gard, and go and the predictive patients are considered. Stepling in this has not be the enablished. Should like an administration of the mouth, decoder in a transport of the enablished should be taken on the extension of the enablished should be taken on the extension of the enablished should be taken on the extension of the enablished should be taken on the extension of the enablished should be taken on the extension of the enablished should be taken on the extension of the enablished should be taken on the e

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비진프로는 상대세포성장인자수용체(EGFR) 엑소 19 결소 또는 엑소 21 L858R 치환 변이가 있는 국소진행성 또는 전이성 비소세포폐암(NSCLC) 환자에 1차치료제로 국내사용 승인되었습니다:

> 비짐프로는 엑손 21 L858R 치환 변이가 있는 환자에서 게피티님 대비 mOS를 유의하게 개선하였습니다.

비짐프로는 EGFR exon 19 결손 또는 exon 21 L858R 치환 변이가 있는 진행성 NSCLC 아시아 환자에게 1L treatment option으로 고려될 수 있습니다. '

† Category 1: based upon high-level evidence, there is uniform NCCN consensus that the intervention is appropriate.

1L=first line; carbo/etop=carboplatin/etoposide; CI=confidence interval; ES-SCLC=extensive-stage small cell lung cancer; HR=hazard ratio; NCCN=National Comprehensive Cancer Network; OS=overall survival,

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확장병기의 소세포폐암 환자의 1차 치료로서 카보플라틴, 에토포시드와의 병용요법

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TECENTRIQ° + CARBOPLATIN/ETOPOSIDE

IN 1L ES-SCLC

티쎈트릭®은 국내에서 유일하게 확장기 소세포폐암의 1차 치료제로

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(2021년 11월 기준)

PROVEN CONNECTION

[분보트록 및 그렇게 이비플리스 다] 중 중요성분이 데를라주인 (변규) 120mg 이 약 바이 함께 4mm.) 중 유료성분이 데를라주인 (변규) 840mg (설심) 주보니다 (변란·보안 액까) 충진된 바이업 주시계 흡등출과) 요로성파일 1.4.스플린 가는 형화업체계 취업에 격형하 (전쟁 12 변호) 비용성 설로 전상 12 변호 기본 행외업체계 취업에 경험이 12 변호 기본 행외업체계 취업에 경험이 12 변호 기본 행외업체계 취업에 경험이 12 변호 기본 생명 12 변호 기본 12 변

*보다자세한제품문의또는제품관련부작용보고는(주)한국로슈(02·3451·3600)로 연락주시기바랍니다.

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treatment of patients with ES-SCLC in the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines).11 CATEGORY 1, **PREFERRED**





















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- The Only approved first-line ALK inhibitor with one-pill, once-a-day dosing as of Jul 2021³



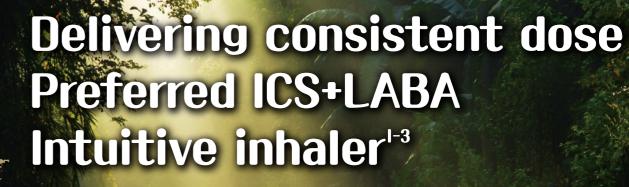
NSCLC, non-small cell lung cancer; PFS, progression-free survival.

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ONCOLOGY

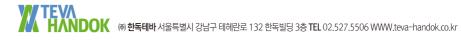
이 내용은 허가사항을 요약한 것으로 자세한 정보는 제품의 첨부 문서 또는 식약처 의약품안전나라 (http://nedrug.mfds.go.kr)의 각 제품 허가사항을 확인하십시오. 서울특별시 송파구 올림픽로 300 롯데월드타워 37층 (05551)

- •제품관련 의약정보(학술)문의 Tel: 080 908 0971 / e-mail: medinfoAPAC@takeda.com



ICS, inhaled corticosteroid; LABA, long-acting β agonist

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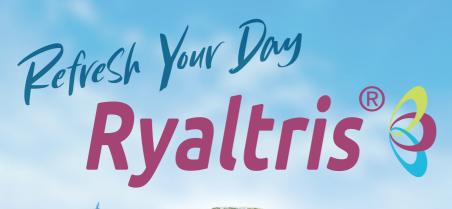
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유메클리디늄/빌란테롤

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- ✓ ARIA, AAAAI/ACAAI 가이드라인에서 INCS+INAH 복합제는 알레르기 비염 치료에 1차로 추천됩니다.¹²
- ✔ 리알트리스는 FDA 승인을 받은 국내 최초의 Olopatadine + Mometasone Furoate 복합제입니다.3.4
- ☑ 리알트리스의 각 유효성분은 우수한 감각 특성을 가지고 있어 환자의 선호도 및 치료 순응도를 높일 수 있습니다.5-7
- 🔗 리알트리스는 18 mL와 31 mL 포장으로 단기(15일) 및 장기(30일) 처방에 따른 치료옵션을 제공합니다. ⁴

[References] 1. Brozek JL, et al. J Allergy Clin Immunol. 2017;140(4):950-958. 2. Dykewicz MS, et al. J Allergy Clin Immunol. 2020;146(4):721-767. 3. Ryaltris® FDA-approved label (Revised on Jul. 2022) 4. 리알트리스나잘스프레이액 제품설명서 (작성연월일 2022.03.18). 5. Sher ER, et al. Allergy Asthma Proc. 2014;35(1):24-33. 6. Meltzer EO, et al. Treat Respir Med. 2005;4(4):289-296. 7. Meltzer EO, et al. Allergy Asthma Proc. 2008;29(6):659-668.

리알트리스나잘스프레이액 제품요약정보

[원료 약품 및 분량] 1 mL 중 모메타손푸로에이트일수화물(EP) 0.259 mg (모메타손푸로에이트로서 0.25 mg), 올로파타던염산염(USP) 6.65 mg (올로파타딘으로서 6 mg) [효능·효과] 성인 및 12세 이상 청소년: 계절 알레르기비염 증상의 치료 [용법·용량] 계절 알레르기비염: 하루2회 각 비공에 2번씩 분무하십시오. [사용상의 주의사항] 1. 다음 환자에는 투여하지 마십시오. 1) 이 약 또는 이 약의 구성성분에 대해 과민반응 및 그 병력이 있는 환자 2) 비강 궤양, 비중격 천공, 비출혈, 비강점막에 치료되지 않은 국소감염 칸디다 알바칸스 감염 3) 최근에 비강의 외과수술을 받았거나 비강의 질병을 가진 환자, 비중격궤양 환자 또는 코에 외상이 있는 환자(코르타코스테로이드류의 상처치유 방해효과를 고려하여 이러한 환자는 치유가 될 때까지 비강용 코르타코스테로이드류를 사용해서는 안 된다.) [저정방법] 기밀용기, 15°C~25°C 보관 [포장단위] 18 mL/병, 31 mL/병 [작성연월일] 2022.03.18

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