



GLOBAL WARMING EFFECTS AND RESPIRATORY DISEASES

Professor Arth Nana

Professor Arth Nana, President of the Thoracic Society of Thailand, the organizer of the 13th Congress of the Asian Pacific Society of Respiriology 2008 mentioned that the world's average temperature has been increasing rapidly during 3 decades resulting in Global Warming phenomenon. Environment and eco-systems have been destroyed and caused imbalance in living organisms such as growing species of germs and air pollution that effects to the increase of respiratory diseases.

Legionellosis; comes from small bacteria, named "Legionella" which is usally found in spa, fountain, sprayer, hot fountain and hot water. The bacteria has at least 50 species and 70 serogroups, The symptoms start as bored with food, weakness, muscle pain, headache, high fever (up to 39 – 40 degree Celsius) and coughing without phlegm.

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Allergic; High carbon dioxide gas in the air causing global warming phenomenon has affected to plant species. Flowers lose its pollen grains easily and become air pollutants affecting people to have more allergic and respiratory diseases. In Thailand more than 6 millions people has suffered from allergy. The symptoms usually have stuffed nose, nose runs, irritated throat, and sometimes mucus runs into the throat.

Tuberculosis comes from small bacteria, named “Mycobacterium tuberculosis”, infected by breathing of which disease has its special qualities such as durable to dry air, cold, hot, chemical and staying long in the air except exposure to sunlight. Patient normally has chronically cough for 2 weeks, cough with chest pain or cough with bleeding, low fever in afternoon or evening, weak and bored with food and weight loss.

Lung cancer is caused by carbon monoxide which is inflammable material compounded with sulphur. It affects the respiratory system when one continually breathes in; the carbon monoxide will combine with red blood cells and cause of malfunctioning and the victim feels stunned. It is always found in car park building or space, junction of automobiles roads etc. As gas has burned, they form air pollutant especially in bad ventilation area.

Professor Arth Nana added more “To stop global warming phenomenon which effects to increasing respiratory diseases, we have to adjust our consuming behaviors such as reducing to use plastic bags, inflammable material, saving energy and plant more trees.”