



AIR Pneumo Program
upgrading physicians' skill for reading
Radiographs of Pneumoconioses

On Behalf of the AIR Pneumo Committee

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Introduction

- Asian Intensive Reader of Pneumoconiosis (AIR Pneumo)
- Non-governmental effort for quality assurance of medical screening and surveillance for pneumoconioses
- <http://airp.umin.jp/index.html>


Objective

- To upgrade skills of specialists in developing countries on the application of the ILO International Classification of Radiographs of Pneumoconioses
- To contribute to the implementation of the ILO/WHO Global Program for Elimination of Silicosis (GPES)



History

- Dialogue between a Thai governmental officer and Prof. Kusaka on setting up Asian Certification for Pneumoconioses in 2003
- Nine NIOSH-B readers were born in Thailand in December 2006



Participating Countries

- Brazil
- China
- India
- Japan
- Thailand
- Viet Nam



Supporting Bodies

- Asian Pacific Society of Respirology
- Chest Disease Institute, Thailand
- International Labour Office (ILO)
- Japan Society for Occupational Health
- Scientific Committee on Respiratory Disorders, International Commission on Occupational Health
- Thai Association of Occupational Environmental Diseases



AIR Pneumo Training Course

- December 2008; 1st Course in Thailand
- August 2009; 1st Course in Brazil
- December 2010; 2nd Course in Thailand
- August 2011; 2nd Course in Brazil
- September 2011; 1st Course in Japan



Tools use for Education

- Interactive 2 and half days' course including view box reading practice
- Teaching materials using real chest radiographs
- 60-film reading examination and 5-year certification of proficiency of reading chest radiograph of pneumoconiosis



Timetable of Training Course, 1st Day

- 8.30-9.00 Opening address
- 9.00-10.30 Lecture: Epidemiology-Primary to Tertiary Prevention of Pneumoconiosis in Thailand and Asian country
Coffee break
- 10.45-12.00 Lecture: Pneumoconiosis-Criteria for Diagnosis
- 12.00-13.00 Lunch
- 13.00-14.30 Lecture: ILO Classification-Introduction to Reading Pneumoconiosis
Lecture: ILO Classification: Outline of Recording System
Coffee break
- 14.45-16.30 **Lecture and Practice : Image Quality**



Timetable of Training Course, 2nd Day

- 8.30-10.00 **Lecture and Practice : Round Opacities**
Coffee break
- 10.45-12.00 **Lecture and Practice: Large Opacities**
- 12.00-13.00 Lunch
- 13.00-14.30 **Lecture and Practice : Irregular Opacities**
Coffee break
- 14.45-16.30 **Lecture and Practice : Pleural abnormalities**



Timetable of Training Course, 3rd Day

- 8.30-10.30 **Lecture and Practice : Additional Symbols**
Coffee break
- 10.45-12.00 **Lecture and Practice: Categorization and comments for boundary or conflicting cases**
- 12.00-13.00 Lunch
- 13.00-16.00 **Examination : Reading 60 films**
- 16.00-17.00 Conclusion & Closing address



		No. 1-01
CERTIFICATION		Date. 20.12.2008
<i>This is to certify that</i>		Expiry. 31.12.2013
Taro Tamura, M.D.		
<i>has successfully completed AIR Pneumo Training Course and examination confirming competence on the application of the ILO 2000 International Classification of Radiographs of Pneumoconioses.</i>		
<hr/> Chair, AIR Pneumo Committee Research Groups, Japan Society for Occupational Health Association of Occupational and Environmental Diseases, Thailand Chest Disease Institute, Ministry of Public Health, Thailand Bureau of Occupational and Environmental Diseases, Ministry of Public Health, Thailand		
 		
<small>The Asian Intensive Reader of Pneumoconiosis Project (AIR Pneumo) has been established with an aim to upgrade skills of specialists in developing countries on the application of the ILO International Classification of Radiographs of Pneumoconioses and to contribute to the implementation of the ILO/WHO Global Program for Elimination of Silicosis (GPES).</small>		

All Training Course

	1 st THA	1 st BRA	2 nd THA	2 nd BRA	1 st JAP
Participants	29	22	22	12	14
Successful examinee	27	20	20	12	12
Radiologist	15	6	9		3
Pulmonologist	1	8	3		3
Occupational Medicine	8	8	9		2
Public Health	0	0	1		2
Others	3	0	0		4

THA= Thailand, BRA= Brazil, JAP= Japan



Next Coming in 2012

- 1st AIR Pneumo in India
- 2nd AIR Pneumo in Japan
- 3rd AIR Pneumo in Thailand
- 1st AIR Pneumo Recertification in Thailand



Future Direction

- Expanding the program to other countries not only in Asia but also in other continents such as South America and Africa

