



ONLINE

OCCUPATIONAL SAFETY AND HEALTH

# ONLINE WORKSHOP ON ILO INTERNATIONAL CLASSIFICATION OF RADIOGRAPHS OF PNEUMOCONIOSES

18 – 21 NOVEMBER 2024

 4 DAYS

*Information Note*



International  
Labour  
Organization



**ITC**   
International Training Centre

# INTRODUCTION

The prevention of occupational respiratory diseases has a high priority in the International Labour Office (ILO). Despite all international and national efforts to prevent them, they continue to be the leading occupational illnesses in many countries that may amount to as many as 30% of all registered work-related diseases. Pneumoconiosis cause significant numbers of cases of disabilities and premature deaths because they are highly disabling and incurable.

They also represent a huge burden on national economies and compensation systems in terms of sickness, absenteeism, lost working days, disabilities, compensatory payments and loss of qualified labour.

The ILO International Classification of Radiographs of Pneumoconiosis provides a means for describing and recording systematically the radiographic abnormalities in the chest provoked by the inhalation of dusts. The purpose of the ILO Classification is to describe and codify radiographic abnormalities of the pneumoconiosis in a simple systematic, and reproducible manner.

The ILO Classification of Radiographs of Pneumoconiosis is an important international standard which is widely used around the world in early detection of pneumoconiosis, medical screening and health surveillance of workers exposed to noxious dusts, as well as epidemiological evaluations. The use of the Classification is mandatory in many countries. Use of the ILO Classification may lead to better international comparability of data concerning the pneumoconiosis. Some countries have established legal requirements for use of the ILO Classification in the assessment of compensation claims, although the Classification was not originally designed for this purpose.

This workshop will offer you an excellent opportunity to upgrade your knowledge in prevention of occupational respiratory diseases and improve your skills in using the ILO Classification with high competency. You will have an opportunity of testing your skills through individual readings of subject films from the ILO training materials. To evaluate the results of your readings, the ILO experts will review the classification of these subject films together with you.

This workshop is a joint initiative of the ILO, the International Commission of Occupational Health and the International Training Centre of the International Labour Organization.

## KEY FEATURES

### LATEST TRENDS

Learn, unlearn, re-learn: reinterpret pedagogical concepts for the 21st Century classroom

### PARTICIPATION

Take an active role: experience the training cycle through a competency-based approach

### INNOVATION

Do it differently: active learning methods, digital engagement tools, gamified approaches, creative thinking

### PROJECT-BASED

Take it to the next level: demonstrate knowledge and skills in applying core trainer's competencies

## PARTICIPANTS' PROFILE

Radiologists; pneumologists; occupational physicians and other physicians with an additional qualification in occupational medicine in public organizations and private enterprises involved in screening and surveillance; researchers and university professors of medical radiology.

## LANGUAGE

English

## OBJECTIVES

The objective of this workshop is to strengthen the capacity of perform the early detection, evaluation, medical screening and health surveillance of pneumoconiosis among workers exposed to noxious dusts.

Upon completion of this course, participants will be able to:

- Describe the main occupational respiratory diseases related to the inhalation of dust.
- Use the ILO Classification of Radiographs of Pneumoconiosis for diagnostic purposes.
- Apply the ILO Classification in health surveillance and medical screening of workers exposed to mineral dusts.
- Transfer knowledge on how to use the ILO Classification of Radiographs of Pneumoconiosis.

## CONTENTS

- Pneumoconioses as important occupational health problem in the world.
- Introduction of the ILO Classification of Radiographs of Pneumoconiosis.
- Epidemiology, pathophysiology, diagnosis and clinical course of asbestos-related diseases, including lung carcinoma and mesothelioma.
- Epidemiology, pathophysiology, diagnosis and clinical course of occupational diseases caused by silica dust including lung cancer.
- Presentation of the ILO Classification System and demonstration of standard radiographs.
- Reading sheet recoding in the ILO Classification - Standard films reading of the ILO Classification.
- Standards of Quality for Radiology in Pneumoconiosis.
- Basics of interpreting chest x-rays of workers exposed to mineral dust.
- Examples of interstitial lung diseases with reticular or nodular pattern on chest X-ray and CT scan (mainly due to exposure to mineral dust).
- Fundamentals and quality assurance of spirometry.
- Application of the ILO Classification in health surveillance and medical screening of workers exposed to mineral dusts.
- Evaluation of Pneumoconioses by HRCT including the International Classification of HRCT for Occupational and Environmental Respiratory Diseases.
- Uncommon pneumoconiosis lung diseases.
- Criteria for practical diagnosis of silicosis, asbestosis and coal workers' pneumoconiosis (CWP).
- Examples of interstitial lung diseases with reticular or nodular pattern on chest X-ray and CT scan (mainly due to exposure to mineral dust).
- Interactive case discussions and ILO Classification of chest x-rays from workers exposed to mineral dust.

## METHODOLOGY AND PARTICIPANTS' REQUIREMENTS

The workshop will last 4 days from 8 to 11 November 2024. Four hours of Zoom live sessions by Zoom are foreseen for each day.

A working knowledge of spoken and written English is required. The ability to use and access a computer with Internet and Zoom is also necessary.

Attendance to the live sessions by Zoom is mandatory and will be recorded. A minimum of 75% of participation is required in order to obtain the course certificate. Participants are expected to make all necessary arrangements to be able to regularly attend the sessions. Specifically, they should make sure to have a stable internet connection, a laptop or a computer with working video and audio settings (camera, microphone, and headset), and that the sessions are conducted in a suitable environment.

Being an online workshop that require the visualization of X-ray images, we recommend a computer with a minimum of 24-inch screen. Smartphone, tablets or a computer with a small screen are not adequate for this workshop. Participant should also be required some days before the workshop to download and install a reader programme of radiographies in their computer.

Participants will be given access to a dedicated e-platform on the E-Campus, the e-learning portal of the ITCILO, accessible through a laptop or any portable devices. On this e-platform, participants will find the didactic resources related to the workshop, including the ILO International Classification of Radiographs of Pneumoconioses, which includes a set of standard x-rays consisting of 22 radiographs available in digital forms, and the Guidelines for their use.

The methodology will be centred on the participants and the learning process, with the support of experts. The experts have been selected according to its professional experience and knowledge on the subjects. A permanent monitoring of the learning process will be conducted throughout the training by the workshop coordinator. At the end of the course, an individual evaluation questionnaire will be used to allow participants to express their views about the training experience.

# PARTICIPATION COSTS AND APPLICATIONS

The cost of participation is 1,155 Euros, payable in advance by the participant or his or her sponsoring organization.

Applications to participate in the course should be done online on the following webpage: <https://oarf2.itsilo.org/MIF/A9717599/en> no later than **25 October 2024**.

The filled-in application form should be accompanied by a signed written communication of commitment from the sponsoring institution (or from the candidate in case of self-financing) indicating how the participant will be financed.

After the deadline for applications, the course and the selected candidates will be confirmed and the instructions for course and for the payment will be provided.

## WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course:  
No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course:  
Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course:  
Penalty of 100% of course price.

## INFO

### FOR FURTHER INFORMATION PLEASE CONTACT

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