



### Course Directors

## Cristian Ortiz-Villalón MD PhD

Department of Pathology – Karolinska University Hospital, Stockholm – Sweden  
Department of Oncology-Pathology OnkPat – Karolinska Institutet, Stockholm- Sweden

## Prof. Cesar Morán

Tenured Professor of Pathology  
Department of Pathology, Division of Pathology/Lab Medicine, The University of Texas  
MD Anderson Cancer Center, Houston, TX – USA

### Short description:

This interactive online course is designed foremost for trainees and young pathologists. It consists of two parts: Part I, Common tumoral lung and pleural diseases and molecular diagnosis; and Part II, Non-neoplastic lung diseases.

Pre-recorded lectures and quizzes as well as real-time workshops with selected cases directed by our instructors will be offered for each part. You will work with a digital microscope throughout the course, giving you the full command of the slides.

The live workshops of the course will be held at hours suitable for European and North American participants (live class at 15.00 CET/8.00 EST). English will be the official language of the course. EACCME accreditation in process.

The course is hosted by <http://www.pathologyscience.com/> and is held 100% online.

## **Course schedule**

### **Part I: Neoplastic pathology**

#### **June 14**

Pre-invasive lesions in the lung (Dr Cristian Ortiz-Villalón)  
Salivary gland type tumors of the lung (Dr Cesar Morán)  
Small biopsies in lung cancer (Dr Cristian Ortiz-Villalón)  
A machine learning approach to biomarker discovery: How to find a pathologist to read 10000 slides (Dr. George Lee /BMS)

Q&A & Workshop (live class at 15.00 CET/8.00 CEST)

#### **June 15**

Molecular analysis in lung cancer (Dr Cristian Ortiz-Villalón)  
Spectrum of neuroendocrine tumours (Dr Cesar Morán)  
Overview of “sarcomatoid” carcinomas of the lung (Dr Cristian Ortiz-Villalón)  
Molecular Testing in resectable NSCLC (Dr. Naresh Chandra/ AstraZeneca)  
Q&A & Workshop (live class at 15.00 CET/8.00 CEST)

#### **June 16**

Pulmonary tumors of uncertain histogenesis (Dr Cristian Ortiz-Villalón)  
Malignant mesothelioma an overview (Dr Cesar Morán)  
Primary pleural neoplasms other than mesothelioma (Dr Cesar Morán)  
Therapeutic value and molecular resistance dynamics in ALK+ NSCLC - lorlatinib and beyond (Dr. Vicky Chatzakos /Pfizer)

Q&A Workshop (live class at 15.00 CET/8.00 CEST)

### **Part II: Interstitial lung disease**

#### **June 17**

Overview of Interstitial Lung Disease. (Dr Cristian Ortiz-Villalón)  
Small biopsies including transbronchial and Cryo-biopsies (Dr Cristian Ortiz-Villalón)  
Histiocytic lesions of the lung (Dr Cesar Morán)  
Multidisciplinary approach to ILD (Dr Cristian Ortiz-Villalón)  
Q&A and Workshop (live class at 15.00 CET/8.00 CEST)

#### **June 18**

Granulomatous diseases and differential diagnosis (Dr Cesar Morán)  
Differential diagnosis in hypersensitivity pneumonitis (Dr Cristian Ortiz-Villalón)  
Necrotizing noninfectious diseases of the lung (Dr Cesar Morán)  
Pulmonary nodules that may mimic neoplastic conditions (Dr Cesar Morán)  
Ensuring Molecular Integrity of Cancer Patient Biospecimens for Precision Medicine (Dr. Carolyn Compton/ Roche)  
Q&A and Workshop (live class at 15.00 CET/8.00 CEST)

## Target group and prerequisites

The course is targeted to trainees or junior specialists in pathology. It is not suitable for non-pathologists, general practitioners or starting pathology trainees without basic skills.

## Course organisation

This is a fully online course employing a modern E-learning management system, virtual microscope as well as digital meetings through virtual classrooms.

Each of the presentations listed in the course schedule will last ca 25 minutes. They will be pre-recorded and available to students through the online learning management system for independent learning at the time suitable to the student. The participants should watch all the pre-recorded lectures before each workshop and will have to have completed all lectures to be able to sit the final quiz. Q&A and Workshop will be held in real-time with our teaching faculty who will be guiding the participants through complicated practice cases. These live sessions will not be recorded due to GDPR reasons, but students will get access to the cases even after the course. Q&A and Workshop session will last approximately 1h 30 minutes with a short break and will be organised at a time compatible with European and North-American time zones.

The course environment will be accessible for the participants for one month and they will receive a short course compendium for their personal use.

## Faculty

|   |  |
|---|--|
| <p><a href="#">Cristian Ortiz-Villalón MD PhD</a><br/>Senior Consultant<br/>Head of the Department of Pathology<br/>Karolinska University Hospital, Danderyd<br/>Karolinska Institutet ONKPAT<br/>Stockholm – Sweden<br/><a href="mailto:cristian.ortiz-villalon@ki.se">cristian.ortiz-villalon@ki.se</a></p> | <p><a href="#">Prof. Cesar Morán</a><br/>Tenured Professor of Pathology<br/>Department of Pathology, Division of<br/>Pathology/Lab Medicine, The University of<br/>Texas MD Anderson Cancer Center, Houston,<br/>TX – USA<br/><a href="mailto:cesarmoran@mdanderson.org">cesarmoran@mdanderson.org</a></p> |
| <p><a href="#">Kati Lindström, PhD</a><br/>E-learning expert<br/>Pathology Science OÜ, Estonia<br/>KTH Royal Institute of Technology<br/>Stockholm-Sweden<br/><a href="mailto:contact@pathologyscience.com">contact@pathologyscience.com</a></p>  |  |

## Responsible for technical execution

Kati Lindström, PhD, E-learning manager at Pathology Science OÜ

## Registration and cancellation

Registration fee: EUR 150, payable by card or invoice

A limited number of fee waivers are available for all our courses. To apply for the fee waiver, please send your CV and a motivation letter explaining the need to [contact@pathologyscience.com](mailto:contact@pathologyscience.com) We give preference to underprivileged geographical regions or population groups and underfunded public health care systems.

Cancellation policy:

Up to June 7, 2021 - cancellation with 80% refund

After June 7, 2021 - no refund

## Examination

After completing the course modules, the participants will get access to a quiz with test cases. The participant will have a week to complete the quiz in the Learning Management System. All answers must be correct for the participant to pass. The participants have maximum three attempts. Certificates will be sent by post and electronically.

## Expected learning outcomes

After the successful completion of the course, the student will:

- know the most important types of thoracic tumors (adenocarcinoma, squamous cell carcinoma and large cell carcinoma);
- know the most common patterns in interstitial lung diseases (UIP, NSIP, granulomatose diseases and occupational diseases);
- be able to define the importance of multi-disciplinary approaches in thoracic diseases;
- be able to make differential diagnoses for these diseases;
- be able to ask for accurate ancillary tests for these diagnoses;
- be able to discuss diagnosis and their implications for patients in group.

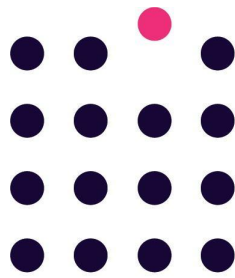
## Technical requirements

You will need to have Internet connection with a decent speed to take part in this course. Course materials are accessible through all platforms (Apple, Windows, Android etc), both on computers and portable devices. At workshops, you can ask questions both orally in person and anonymously via the chat function.

## Course evaluation

After the completion, a course survey will be sent out to the participants in order to collect feedback.

**This course has been organised by**



**pathology  
science**

**and supported by**

