

# MASTERCLASS

## on Pulmonary Hypertension

Organised by the Centre for Pulmonary Hypertension, General University Hospital  
and Charles University in Prague (Member of the European Reference  
Network – LUNG, Core Network – Pulmonary Hypertension)  
in cooperation with the Czech Society of Cardiology



PRAGUE, CZECH REPUBLIC

March, 28–29, 2025

[www.PHmasterclass.com](http://www.PHmasterclass.com)



**European  
Reference  
Network**

for rare or low prevalence  
complex diseases

Network  
Respiratory Diseases  
(ERN-LUNG)

Member  
General University  
Hospital in Prague –  
Czechia

### **Masterclass on Pulmonary Hypertension:**

Organised by the Centre for Pulmonary Hypertension, General University Hospital and Charles University in Prague (Member of the European Reference Network – LUNG, Core Network – Pulmonary Hypertension) in cooperation with the Czech Society of Cardiology  
Prague, March 28-29, 2025

### **Masterclass Description:**

The Pulmonary Hypertension Masterclass will be focused on the early detection, diagnostic strategy (including ECHO and right heart catheterization practical demonstration, and right heart catheterization simulation) and therapy in patients with pulmonary hypertension. During Case Forum participants are invited to present case reports.

### **Masterclass Learning Objectives:**

At the conclusion of this Masterclass, participants will have improved competence and professional performance in their ability to:

1. Understand the diagnostic strategy (including early detection, echocardiography, CT, MRI, right heart catheterization) in patients with pulmonary hypertension
2. Understand the management of patients with PAH
3. Understand the management of patients with common forms of PH (Group 2, 3, 4)
4. Recognize when referral to an expert center is necessary for further assessment and management of PH

### **Target Audience (Participant Profile):**

Cardiologists, Rheumatologists, Pulmonologists, Internal Medicine Physicians. Masterclass is designed to be of benefit for health care professionals who are beyond the training stages of their careers.



# SCIENTIFIC PROGRAM SCHEDULE

## Day 1 (March 28, 2025)

8.30–8.40	Introduction ( <i>P. Jansa</i> )
8.40–9.20	Pathophysiology, definition and classification of pulmonary hypertension ( <i>P. Jansa</i> )
9.20–9.40	Diagnostic strategy of pulmonary hypertension ( <i>V. Dytrych</i> )
9.40–10.40	Echocardiography including pitfalls ( <i>T. Paleček</i> )
10.40–11.00	Coffee break
11.00–11.20	RHC ( <i>L. Miksová</i> )
11.20–12.30	ECHO/RHC – practical demonstration ( <i>T. Paleček/P. Jansa</i> )
12.30–15.00	Lunch/RHC simulation
15.00–15.30	CT and MRI ( <i>V. Černý</i> )
15.30–16.10	Pulmonary arterial hypertension ( <i>P. Jansa</i> )
16.10–16.30	Coffee break
16.30–17.15	Pulmonary hypertension in patients with CHD ( <i>J. Rubáčková-Popelová</i> )
17.15	Clinical cases
	Dinner

## Day 2 (March 29, 2025)

9.00–9.30	Pulmonary hypertension in patients with CTD ( <i>M. Tomčík</i> )
9.30–10.00	Common forms of pulmonary hypertension: Group 2, Group 3 ( <i>P. Jansa</i> )
10.00–11.00	CTEPD/CTEPH ( <i>P. Jansa, T. Prskavec</i> )
11.00–11.20	Coffee break
11.20–12.00	Prostacyclin therapy for pulmonary hypertension ( <i>P. Jansa</i> )
12.00–12.30	Left heart failure ( <i>M. Širanec</i> )
12.30–13.00	Right heart failure ( <i>P. Jansa</i> )
13.00	Closing remarks

## EXPERTISE GUARANTOR:

■ **prof. PAVEL JANSÁ, MD, Ph.D.**

## MASTERCLASS FACULTY:

■ **prof. PAVEL JANSÁ, MD, Ph.D.**

*2<sup>nd</sup> Department of Internal Medicine – Department of Cardiovascular Medicine,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

■ **prof. TOMÁŠ PALEČEK, MD, DrSc.**

*2<sup>nd</sup> Department of Internal Medicine – Department of Cardiovascular Medicine,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

■ **VLADIMÍR DYTRYCH, MD**

*2<sup>nd</sup> Department of Internal Medicine – Department of Cardiovascular Medicine,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

■ **LUCIE MIKSOVÁ, MD**

*2<sup>nd</sup> Department of Internal Medicine – Department of Cardiovascular Medicine,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

■ **VLADIMÍR ČERNÝ, MD, Ph.D.**

*Department of Radiodiagnostics,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

■ **assoc. prof. JANA RUBÁČKOVÁ-POPELOVÁ, MD, Ph.D.**

*Department of Cardiac Surgery, Hospital Na Homolce, Prague, Czech Republic; Pediatric Heart Centre, Faculty Hospital Motol, Prague, Czech Republic*

■ **prof. MICHAL TOMČÍK, MD, Ph.D.**

*Department of Rheumatology of the 1st Faculty of Medicine and Rheumatology Institute, Prague, Czech Republic*

■ **TOMÁŠ PRSKAVEC, MD**

*2<sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery of the 1st Faculty of Medicine and General University Hospital in Prague, Czech Republic*

■ **MICHAL ŠIRANEC, MD**

*2<sup>nd</sup> Department of Internal Medicine – Department of Cardiovascular Medicine,  
First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic*

An application has been made to the UEMS EACCME® for CME accreditation of this event.

With the non conditioning sponsorship of AOP





