

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

April, 17–18, 2026

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, April 17–18, 2026

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 (April 17, 2026)

9.00–9.15	Introduction (P. Jansa)
9.15–10.00	Pathophysiology, definition and classification of pulmonary hypertension (P. Jansa)
10.00–10.30	Diagnostic strategy of pulmonary hypertension (V. Dytrych)
10.30–11.00	Coffee break
11.00–11.30	RHC including pitfalls (P. Jansa)
11.30–12.00	CT and MRI (V. Černý)
12.00–13.45	RHC – practical demonstration / Lunch
13.45–14.45	Echocardiography including pitfalls (A. Linhart)
14.45–15.30	Pulmonary arterial hypertension, treatment algorithm (P. Jansa)
15.30–16.00	Coffee break
16.00–16.30	Understanding Clinical Study Results (A. Svobodník)
16.30–17.00	Prostacyclin therapy for pulmonary hypertension (P. Jansa)
17.00–17.40	Pulmonary hypertension in patients with CHD (J. Rubáčková-Popelová)
17.40–18.05	Left heart failure (M. Širanec)
18.05–18.30	Right heart failure (P. Jansa)
19.30	Dinner

Day 2 (April 18, 2026)

9.00–9.45	Common forms of pulmonary hypertension: Group 2, Group 3 (P. Jansa)
9.45–10.30	CTEPD/CTEPH (P. Jansa, T. Prskavec)
10.30–11.00	Coffee break
11.00–13.00	Hands-on RHC/ECHO (P. Jansa, V. Dytrych, M. Ouřada)
13.00–14.00	Clinical cases
14.00	Closing remarks

EXPERTISE GUARANTOR:

■ **prof. PAVEL JANSÁ, MD, Ph.D.**

MASTERCLASS FACULTY:

■ **prof. PAVEL JANSÁ, MD, Ph.D.**

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

■ **prof. ALEŠ LINHART, MD, Ph.D.**

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

■ **VLADIMÍR DYTRYCH, MD**

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

■ **MARCEL OUŘADA, MD**

*2nd 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

■ **TOMÁŠ PRSKAVEC, MD**

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

■ **MICHAL ŠIRANEC, MD**

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

■ **ADAM SVOBODNÍK, Ph.D.**

*Department of Internal Medicine, Hematology and Oncology,
Faculty of Medicine, Masaryk University, Brno, Czech Republic*

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

With the non conditioning sponsorship of AOP



