

Special Lecture

📅 Thu. Jul 10, 2025 3:30 PM - 4:20 PM JST | Thu. Jul 10, 2025 6:30 AM - 7:20 AM UTC 🏛️ Room1 (Fine Arts Center 1F Grand Auditorium)

Special Lecture1(I-SL1)

Chair: Shigetoyo Kogaki (Department of Pediatrics and Neonatology, Osaka General Medical Center, Osaka, Japan)

[I-SL1-1]

New Perspectives in Pediatric Pulmonary Hypertension: Update from World Symposium on Pulmonary hypertension 2024, Barcelona

○Maurice Beghetti (Pediatric Cardiology Unit, Children's University Hospital of Geneva University of Geneva, Geneva)

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Keywords : Pulmonary hypertension、Pediatrics、Perspectives

In 2024 the pediatric task forces edicted new recommendations for pediatric pulmonary hypertension (PH) following the 7th world symposium on pulmonary hypertension. Pediatric pulmonary arterial hypertension (PAH) shares common features of adult disease but is associated with several additional disorders and challenges that need different approaches. This presentation will discuss recent advances, ongoing challenges, and distinct approaches for caring for children with PAH, and PH as presented by the experts of the Pediatric Task Force. Updates and recommendations on diagnosing, classifying, and treating pediatric PAH and identify critical knowledge gaps are discussed . An updated treatment algorithm is provided, including strategies for patients with cardiopulmonary disorders. An adapted treatment algorythm is suggested including specific approaches for congenital heart disease and lung disease PH but pediatric PH continues to be hindered by the lack of randomized controlled clinical trials. The challenging management of children failing targeted PAH therapy is discussed, including balloon atrial septostomy, lung transplantation, and pulmonary to systemic shunt (Potts). Advances in diagnosing neonatal PH, especially signs of PH by echocardiography, are highlighted and discussed on more details compared to previous world symposium and guidelines.