



**ERS Course**  
**Sleep Disordered Breathing in Children**  
**– Diagnosis and Treatment**  
**09-10 November 2022**  
**Antwerp, Belgium**

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**Wednesday, 9 November 2022**

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	<b>Registration</b>
8:30 – 9:00	Registration
	<b>Session I – Pathophysiology, epidemiology and symptoms of pediatric sleep-disordered breathing</b>
09:00 – 09:15	Course introduction – Course organizers
09:15 – 09:45	Physiology of the upper airway and control of breathing: What goes wrong in OSAS and CSA? – Don Urquhart
10:15 – 10:30	<i>Coffee Break</i>
	<b>Session II – Clinical features and diagnosis of obstructive sleep apnea in children</b>
10:30 – 11:00	Morbidity of obstructive sleep apnea – Stijn Verhulst
11:00 – 11:30	Approach to diagnosis of obstructive sleep apnea, overview of diagnostic methods – Athanasios Kaditis
11:30-12:00	Evaluation of upper airway: DISE and imaging – An Boudewyns
12.00 – 13.00	<i>Lunch</i>
	<b>Session III – Diagnostic tools workshops (These workshops will run in parallel and the group will be divided into 3 for these workshops)</b>
13:00 – 13:45	Polysomnography – non-respiratory – Maria Villa Pia, Hui Leng Tan
13:45 – 14:30	Polysomnography – respiratory – Refika Ersu, Monique Slaats
14:30 – 15:15	Screening tools – Polygraphy and oximetry – Francois Abel, Don Urquhart,
15:15 – 15:45	<i>Coffee Break</i>



#### **Session IV – Approach to treatment of obstructive sleep apnea**

- 15:45 – 16:15** Approach to treatment of OSAS – Surgical – An Boudewyns  
**16:15 – 16:45** Approach to treatment of OSAS – Non-surgical – Francois Abel  
**16:45 – 17:30** Discussion of cases submitted by the participants – All faculty
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## **Thursday, 10 November 2022**

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#### **Session V – Sleep disordered breathing in special populations**

- 09:00 – 09:30** Sleep disordered breathing in obesity – Stijn Verhulst  
**09:30 – 10:00** Sleep Disordered Breathing in Down syndrome – Athanasios Kaditis  
**10:00 – 10:30** Sleep Disordered Breathing in syndromic conditions – Maria Pia Villa

10:30 – 10:45 *Coffee Break*

#### **Session VI – Hypoventilation and central apnea in children**

- 10:45 – 11:15** Sleep and hypoventilation – Brigitte Fauroux  
**11:15 – 11:45** Central sleep apnea: Diagnostic approach and underlying causes – Hui Leng Tan  
**11:45 – 12:15** Treatment approach to central sleep apnea – Francois Abel

12:15 – 13:15 *Lunch*

#### **Session VII – Treatment of obstructive sleep apnea workshops (These workshops will run in parallel and the group will be divided into 3 for these workshops)**

- 13:15 – 14:00** Management of complex cases – Athanasios Kaditis, An Boudewyns  
**14:00 – 14:45** CPAP – Don Urquhart, Monique Slaats  
**14:45 – 15:30** NIV – Brigitte Faroux, Stijn Verhulst  
**14:30 – 16:00** Closing remarks – End of the course