Thursday, 25 January 2024

Welcome and introduction by organisers
09:00-09:15 M. Sánchez-de-la-Torre, R. Heinzer

Session 1:
Basic models to explore the deleterious effect of sleep apnoea: Depicting predictors of sleep apnoea-related comorbidities
Chairs: S. Ryan, A. Azarbarzin

09:15–09:45 Exploring the deleterious consequences of OSA in animal models – C. Arnaud
09:45–10:15 Algorithms approach to stratify risk of OSA co-morbidity outcomes: Hypoxic burden, pulse wave amplitude and heart rate variability – R. Heinzer

10:15-11:00 Coffee break and poster viewing

11:00–11:30 Artificial intelligence and risk stratification in OSA: Benefits and limitations – M. Blanchard
11:30–12:00 OMICS data as predictors of co-morbidity outcomes in OSA – R. Cortese
12:00–12:45 Panel discussion - C. Arnaud, R. Heinzer, M. Blanchard, R. Cortese
12:45-14:00 Lunch

Oral Presentations
Chair: C. Lombardi

14:00-14:10 OP01 - PCSK9 as a new player in intermittent hypoxia-induced vascular alterations
Anne Briandçon-Marjollet (France)
14:10-14:13 Q&A

14:13-14:23 OP02 - Rearrangement of Cell Types in the Rat Carotid Body Neurogenic Niche Induced by Chronic Intermittent Hypoxia
Candela Caballero-Eraso (Spain)
14:23-14:26 Q&A

14:26-14:36 OP03 - Real World Evidence using Causal Inference of Positive Airway Pressure Utilisation on Cardiovascular Incidence and Mortality
Diego R Mazzotti (USA)
14:36-14:39 Q&A
Session 2:  
*Endotypes and susceptibility to the clinical consequences of sleep apnoea*  
**Chairs:** M Pengo, Y. Peker  
15:00–15:30 Why are the RCTs neutral? Exploring potential ceiling effect of deleterious consequences of sleep apnoea – M. Sánchez-de-la-Torre  
15:30–15:50 *Coffee break*  
15:50–16:20 One size does not fit for all: Identify the clinical utility of sleep apnoea signals in specific endotypes – O. Cohen  
16:20–16:50 Differential contribution of OSA to cardiovascular, cognitive and metabolic disease/outcome – J.L. Pépin  
16:50–17:30 Panel discussion - M. Sánchez-de-la-Torre, O. Cohen, J.L. Pépin  
17:30–18:30 *Aperitif in the poster area*  

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**Friday, 26 January 2024**  

**Session 3:**  
*ERS Assembly 4 Task Force: Upcoming research scenarios*  
**Chairs:** W. Randerath, F. Gagnadoux  
08:30–09:00 Putting all the pieces together: Exploring alternative study designs in OSA – J.L. Pépin  
09:00–09:30 Real-World data analysis: Opportunities and challenges of using big data in OSA – J. de Batlle  
09:30–10:30 *Coffee break and poster viewing*  
10:30–11:00 The sleep revolution” project – W. McNicholas  
11:00–11:30 “ESADA” future perspective – W. McNicholas  
11:30–12:15 Panel discussion - J.L. Pépin, J. de Batlle, W. McNicholas  
12:15–13:00 Closing remarks – M. Sánchez-de-la-Torre, R. Heinzer  
13:00–14:00 *Lunch and departure*  

*All times are in Western European Time (WET).*