

Saturday, 06. September 2025*Course*

07:30 - 21:00

C-25: Cadaveric hands-on workshop at Changi General Hospital**Registration** 07:30 - 08:00**Welcome** 08:00 - 08:05**Session 1: In-office, minimally invasive RF turbinates, palate, tongue, nasal valve** 08:05 - 08:45

Maria Suurna (United States)

Chew Lip Ng (Singapore)

Session 2: UPPP: Lateral pharyngoplasty, relocation, barbed, etc. 08:45 - 10:00

Ahmed Yassin Bahgat (United Arab Emirates)

Jing Ying Yeh (China)

Session 3: Coblation tongue base 10:00 - 10:30

Srinivas Kishore (India)

Demonstration: TORS 10:30 - 11:00

Phil Hsin-Ching Lin (Taiwan)

John Loh (Singapore)

Session 4: Hypoglossal nerve stimulation: All approaches inpire & nyxoah & livanova approaches 11:00 - 13:00

Maria Suurna (United States)

Clemens Heiser (Germany)

David Kent (United States)

Lunch and session 5: Virtual surgical planning and custom max expander demo for naso-maxillary expansion (video) 13:00 - 14:00**Session 6: Maxillary expansion: Non-surgical, surgical endoscopic and open** 14:00 - 15:00

Stanley Liu (United States)

Session 7: Genioplasty, Genioglossus 15:00 - 16:00

Yufeng Chen (Taiwan)

Demonstration: MMA 16:00 - 16:45

Reza Movahed (United States)

Lai In Jeni Ho (Hong Kong)

Meet the experts dinner: Social event open to all participants 16:45 - 16:45*Special interest group*

08:00 - 09:00

WDSS: Industry breakfast*Course*

08:00 - 17:00

R309

C-02: Year in review*Chair:* Sean Drummond (Australia)*Chair:* Dieter Riemann (Germany)**Introduction** 08:00 - 08:20**Sleep, sleep loss, and cognition** 08:20 - 09:00

Michael Chee (Singapore)

| | | |
|--|---|---------------|
| John Peever (Canada) | Sleep neuroscience | 09:00 - 09:40 |
| | Question and answer | 09:40 - 10:00 |
| | Coffee break | 10:00 - 10:20 |
| Giardin Jean-Louis (United States) | Sleep and health disparities | 10:20 - 11:00 |
| | Sleep and circadian rhythms | 11:00 - 11:40 |
| | Question and answer | 11:40 - 12:00 |
| Christian Cajochen (Switzerland) | Lunch break | 12:00 - 13:00 |
| | Sleep and the aging brain | 13:00 - 13:40 |
| | Latest trends in wearable sleep technology | 13:40 - 14:20 |
| Hannah Scott (Australia) | Question and answer | 14:20 - 14:40 |
| | Coffee break | 14:40 - 15:00 |
| | Sleep-disordered breathing | 15:00 - 15:40 |
| Winfried Randerath (Germany) | Insomnia and mental health | 15:40 - 16:20 |
| | Question & answer | 16:20 - 17:00 |
| <i>Course</i> | | |
| 08:00 - 17:00 | | R310 |
| C-03: AI's potential to improve sleep research and sleep medicine | | |
| <i>Chair:</i> Amir Sharafkhaneh (United States) | | |
| <i>Chair:</i> Max Hirshkowitz (United States) | | |
| <i>Chair:</i> Thomas Penzel (Germany) | | |
| Max Hirshkowitz (United States) | Summary | 08:00 - 08:00 |
| | Introduction | 08:00 - 08:10 |
| | Mastering machine learning (ML): The future of sleep data analysis | 08:10 - 08:55 |
| Arash Maghsoudi (United States) | Generative AI and LLM: | 08:55 - 09:40 |
| | Coffee break | 09:40 - 09:55 |
| | Deep learning decoded: Elevating sleep analysis to the next level | 09:55 - 10:40 |
| Ju Lynn Ong (Singapore) | Big data, bigger impact: Transforming sleep research with AI | 10:40 - 11:25 |

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| Lunch | 11:25 - 12:25 |
| AI in action: Revolutionizing the diagnosis of sleep disorders Sulaiman S. Alsaif (Saudi Arabia) | 12:25 - 13:10 |
| Personalized sleep medicine: AI-powered treatment strategies Amir Sharafkhaneh (United States) | 13:10 - 13:55 |
| Coffee break | 13:55 - 14:10 |
| Next-gen sleep monitoring: AI and wearable technology Thomas Penzel (Germany) | 14:10 - 14:55 |
| AI's role in scientific writing and peer-review: Balancing benefits and risks Ahmed BaHammam (Saudi Arabia) | 14:55 - 15:40 |
| Limitations, legal aspects and dangers of AI use Haitham Jahrami (Bahrain) | 15:40 - 16:25 |
| Question and answer | 16:25 - 16:55 |
| <i>Course</i> 08:00 - 12:00 | R311 |
| C-04: Sleep apnea diagnosis and management: Current treatments <i>Chair:</i> Naricha Chirakalwasan (Thailand) <i>Chair:</i> Atul Malhotra (United States) | |
| Summary | 08:00 - 08:00 |
| Introduction Atul Malhotra (United States) | 08:00 - 08:20 |
| Global trend in obstructive sleep apnea diagnosis Mary Ip (Hong Kong) | 08:20 - 09:00 |
| Health consequences in obstructive sleep apnea Kristina Kairaitis (Australia) | 09:00 - 09:40 |
| Question and answer | 09:40 - 10:00 |
| Coffee break | 10:00 - 10:20 |
| Positive airway pressure therapy in OSA Naricha Chirakalwasan (Thailand) | 10:20 - 11:00 |
| Non-positive airway pressure therapy in OSA Atul Malhotra (United States) | 11:00 - 11:40 |
| Question and answer Atul Malhotra (United States) Naricha Chirakalwasan (Thailand) | 11:40 - 12:00 |
| <i>Course</i> 08:00 - 12:00 | R324 |
| C-05: Insomnia: Behavioral treatments <i>Chair:</i> CM Yang (Taiwan) <i>Chair:</i> Bei Bei (Australia) | |
| Summary | 08:00 - 08:00 |
| Introduction CM Yang (Taiwan) | 08:00 - 08:10 |

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| | Theoretical foundation, assessment, and conceptualization for CBT-I | 08:10 - 08:50 |
| CM Yang (Taiwan) | | |
| | Core components of CBT-I and treatment planning | 08:50 - 09:40 |
| Bei Bei (Australia) | | |
| | Question & Answer | 09:40 - 10:00 |
| | Coffee Break | 10:00 - 10:20 |
| | Managing arousal, sleep reactivity, and integrating mindfulness in CBT-I | 10:20 - 11:00 |
| Philip Cheng (United States) | | |
| | Behavioral sleep medicine in medical and special populations: Tailoring existing approaches for diverse needs | 11:00 - 11:40 |
| Ariel Neikrug (United States) | | |
| | Question & Answer | 11:40 - 12:00 |
| Bei Bei (Australia) | | |
| <i>Course</i> | | |
| 08:00 - 12:00 | | R325 |
| | C-06: Pediatric sleep medicine | |
| <i>Chair: Rosemary Horne (Australia)</i> | | |
| <i>Chair: Michal Kahn (Israel)</i> | | |
| | Summary | 08:00 - 08:00 |
| | Introduction | 08:00 - 08:05 |
| | Pediatric sleep disordered breathing: Emerging issues | 08:05 - 08:45 |
| Kate Chan (Hong Kong) | | |
| | Sleep problems from infancy to middle childhood: Is there a skeleton key treatment for all | 08:45 - 09:25 |
| Michael Gradisar (Sweden) | | |
| | Psychopharmacology in sleepless children with neurodevelopmental disorders: When, which, how? | 09:25 - 10:05 |
| Paul Gringras (United Kingdom) | | |
| | Discussion / Question and answer | 10:05 - 10:15 |
| | Coffee Break | 10:15 - 10:30 |
| | The sleepy child: Hypersomnolence in childhood | 10:30 - 11:10 |
| Kiran Maski (United States) | | |
| | The 4C model of healthy sleep for trauma-exposed children | 11:10 - 11:50 |
| Candice Alfano (United States) | | |
| | Question & answer | 11:50 - 12:00 |
| <i>Course</i> | | |
| 08:00 - 17:00 | | R326 |
| | C-01: Circadian dysfunction in health and disease | |
| <i>Chair: Joshua Gooley (Singapore)</i> | | |
| <i>Chair: Phyllis Zee (United States)</i> | | |
| | Introduction | 08:00 - 08:20 |
| Joshua Gooley (Singapore) | | |

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| The circadian timing system | 08:20 - 09:00 |
| Joshua Gooley (Singapore) | |
| Effects of light on the circadian timing system | 09:00 - 09:40 |
| Christian Cajochen (Switzerland) | |
| Discussion / Question and answer | 09:40 - 10:00 |
| Coffee break | 10:00 - 10:20 |
| Methods for measuring and monitoring circadian rhythms | 10:20 - 11:00 |
| Andrew Phillips (Australia) | |
| The circadian clock and health | 11:00 - 11:40 |
| Shantha Rajaratnam (Australia) | |
| Discussion / Question and answer | 11:40 - 12:00 |
| Lunch break | 12:00 - 13:00 |
| Circadian regulation of cardiometabolic health | 13:00 - 13:40 |
| Frank A.J.L. Scheer (United States) | |
| The circadian clock in ageing and neurodegenerative disease | 13:40 - 14:20 |
| Aleks Videnovic (United States) | |
| Discussion / Question and answer | 14:20 - 14:40 |
| Coffee break | 14:40 - 15:00 |
| Circadian rhythm sleep-wake phase disorders | 15:00 - 15:40 |
| Sabra Abbott (United States) | |
| Circadian strategies for occupational health and safety | 15:40 - 16:20 |
| Diane Boivin (Canada) | |
| Course wrap-up & practice points | 16:20 - 16:40 |
| Panel discussion / Question and answer | 16:40 - 17:00 |
| <i>Special interest group</i> | |
| 08:00 - 12:00 | R327 |
| Global Sleep Leadership Forum: A meeting of associate society members of World Sleep Society | |
| <i>Special interest group</i> | |
| 09:00 - 17:00 | R308 |
| World Dentofacial Sleep Society (WDSS): Bruxism | |
| Chair: David Tay (Singapore) | |
| Chair: Mimi Yow (Singapore) | |
| Summary | 09:00 - 09:00 |
| Keynote: Why, how and when quantification of sleep bruxism is needed. From mechanism driven and population epidemiological research to the clinic: A bridge to build | 09:00 - 09:45 |
| Gilles J Lavigne (Canada) | |
| Discussion of non-PSG methods of assessment of bruxism and introduction of the Standardised Tool for the Assessment of Bruxism (STAB). Clinical management of bruxism: A dentist's perspective | 09:45 - 10:30 |

Peter Svensson (Singapore)

Coffee break 10:30 - 11:00

Debate: Pros & Cons in the clinical relevance of polysomnographic parameters of sleep bruxism (Moderators) 11:00 - 12:30

Gilles J Lavigne (Canada)

David Tay (Singapore)

Mimi Yow (Singapore)

Debate participants 12:30 - 12:30

Leong-Chai Leow (Singapore)

Jerald H. Simmons (United States)

Peter Svensson (Singapore)

Zheyu Xu (Singapore)

Lunch break 12:30 - 14:00

Keynote: A guided PSG sleep bruxism and orofacial activities scoring workshop: 14:00 - 16:30

Basics of PSG scoring 16:30 - 16:30

Scoring criteria and case-study in otherwise healthy individuals 16:30 - 16:30

Gilles J Lavigne (Canada)

Scoring criteria in presence of sleep-disordered breathing 16:30 - 16:30

Leong-Chai Leow (Singapore)

Scoring criteria in presence of neurological disorders 16:30 - 16:30

Zheyu Xu (Singapore)

Expert panel discussion highlighting future directions and interdisciplinary collaboration 16:30 - 17:00

Gilles J Lavigne (Canada)

Peter Svensson (Singapore)

David Tay (Singapore)

Zheyu Xu (Singapore)

Mimi Yow (Singapore)

Special interest group

09:15 - 10:15

WDSS: Clinical presentations

Effects of Interceptive Orthodontics & Myofunctional therapy in Subjective symptoms of pediatric sleep disordered breathing amongst Indian children 09:15 - 09:35

Mihir Shah (India)

Unveiling cutting-edge orofacial myofunctional therapy: A novel, evidence-based approach 09:35 - 09:55

Ranilo Tuazon (Philippines)

Bridging traditions in pediatric sleep care: Evidence-based integration of laser acupuncture, capnometry-guided biofeedback, and interdisciplinary collaboration 09:55 - 10:15

Louis Chan (Australia)

ASSM Meeting

10:00 - 17:00

ASSM Annual Meeting

Special interest group

10:30 - 12:00

WDSS: Oral appliance therapy in obstructive sleep apnea: An interdisciplinary approach for personalized care*Chair:* Ghizlane Aarab (Netherlands)*Chair:* Peter Cistulli (Australia)**Summary**

10:30 - 10:30

Introduction

10:30 - 10:32

Non-invasive methods for predicting outcomes of oral appliance therapy in OSA patients

10:32 - 10:52

Olivier Vanderveken (Belgium)

Comparative effectiveness of oral appliance therapy versus other treatments for OSA: identifying patient-specific success factors

10:52 - 11:12

Hui Chen (China)

Dental approaches to tailored oral appliance therapy for OSA patients: integrating patient-specific factors and preferences

11:12 - 11:32

Ghizlane Aarab (Netherlands)

Precision medicine approaches in obstructive sleep apnea: the role of dentist-sleep physician partnerships

11:32 - 11:52

Peter Cistulli (Australia)

Question and answer

11:52 - 12:00

Special interest group

12:30 - 13:30

WDSS: Industry lunch*Course*

13:00 - 17:00

R311

C-07: The future of diagnosis and management of OSA*Chair:* Danny Eckert (Australia)*Chair:* Robert Thomas (United States)**Introduction**

13:00 - 13:05

State of the art on OSA endotyping/precision medicine and translation potential

13:05 - 13:45

Danny Eckert (Australia)

New and emerging OSA diagnostics including multi-night monitoring

13:45 - 14:25

Ching Li Chai-Coetzer (Australia)

Sleep tracking and monitoring

14:25 - 15:05

Cathy Goldstein (United States)

Coffee break

15:05 - 15:20

Novel approaches to identify and manage downstream consequences of OSA

15:20 - 16:00

Robert Thomas (United States)

New management pathways for CPAP follow-up including digital medicine and multimodal monitoring

16:00 - 16:40

Jean-Louis Pépin (France)

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| Question & answer | 16:40 - 17:00 |
| <i>Course</i> 13:00 - 17:00 | R324 |
| C-08: Insomnia: Pharmacological treatments | |
| <i>Chair:</i> David Neubauer (United States) | |
| <i>Chair:</i> YK Wing (Hong Kong) | |
| Summary | 13:00 - 13:00 |
| Introduction | 13:00 - 13:20 |
| Insomnia pharmacotherapy in adults | 13:20 - 14:00 |
| David Neubauer (United States) | |
| Insomnia pharmacotherapy in children and adolescents | 14:00 - 14:40 |
| Judith Owens (United States) | |
| Question & Answer | 14:40 - 15:00 |
| Coffee break | 15:00 - 15:20 |
| Hypnotics polypharmacy: Its risk factor and management | 15:20 - 16:00 |
| Yuichi Inoue (Japan) | |
| Advantages and disadvantages of combining CBT-I with sleep-promoting medications | 16:00 - 16:40 |
| YK Wing (Hong Kong) | |
| Question & Answer | 16:40 - 17:00 |
| <i>Course</i> 13:00 - 17:00 | R325 |
| C-09: Adolescent sleep medicine | |
| <i>Chair:</i> Perran Boran (Turkey) | |
| <i>Chair:</i> Judith Owens (United States) | |
| Summary | 13:00 - 13:00 |
| Introduction | 13:00 - 13:05 |
| Sleep and cognitive function in adolescents | 13:05 - 13:45 |
| Michael Chee (Singapore) | |
| Transitioning care 1 | 13:45 - 14:05 |
| Narong Simikajornboon (United States) | |
| Transitioning care 2 (OSA) | 14:05 - 14:25 |
| Albert Li (China) | |
| Adolescent sleep health in developing nations 1 | 14:25 - 14:40 |
| Ravi Gupta (India) | |
| Adolescent sleep health in developing nations 2 | 14:40 - 14:55 |
| Morenikeji Komolafe (Nigeria) | |
| Question and answer | 14:55 - 15:10 |
| Coffee break | 15:10 - 15:25 |
| Measuring sleep in adolescents | 15:25 - 15:40 |

Karen Spruyt (France)

Challenging insomnia cases 1

15:40 - 15:55

Guanghai Wang (China)

Challenging insomnia cases 2: Complex neurological conditions

15:55 - 16:10

Leticia Solter (Brazil)

Social media and sleep

16:10 - 16:30

Rachel Chan (Hong Kong)

Question & answer

16:30 - 17:00

Course

13:00 - 18:00

R327

C-24: Understanding narcolepsy: A comprehensive clinical update

Chair: Raffaele Ferri (Italy)

Chair: Phyllis Zee (United States)

Understanding narcolepsy: A clinical overview

13:00 - 13:45

Takashi Kanbayashi (Japan)

The diagnostic journey

13:45 - 14:30

Kiran Maski (United States)

Mechanisms of disease: The orexin system

14:30 - 15:15

Alessandro Silvani (Italy)

Coffee break

15:15 - 15:30

Diagnostic tools and sleep disorders

15:30 - 16:15

Lucie Barateau (France)

Living with narcolepsy: A patient's voice

16:15 - 17:00

Julie Flygare (United States)

Guidelines and management strategies

17:00 - 17:45

Rolf Fronczek (Netherlands)

Discussion / Question and answer

17:45 - 18:00

ASSM Meeting

13:00 - 17:00

R328

ASSM Annual Meeting

Summary

13:00 - 13:00

ASSM Meeting

13:00 - 17:00

R329

ASSM Annual Meeting

Summary

13:00 - 13:00

Special interest group

13:30 - 15:00

WDSS: Challenges in the multidisciplinary management of pediatric SDB: How to phenotype and collaborate

Chair: Wei-Chung Hsu (Taiwan)

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| Summary | 13:30 - 13:30 |
| Introduction | 13:30 - 13:32 |
| Phenotypes of Pediatric Sleep-disordered breathing Umakanth Katwa (United States) | 13:32 - 13:52 |
| CBCT/CFD images-based prediction model for ped OSA Wei-Chung Hsu (Taiwan) | 13:52 - 14:12 |
| Orthodontic treatment for different phenotypes of pediatric OSA Audrey Yoon (United States) | 14:12 - 14:32 |
| Management of refractory OSA in children Annabelle Sok-Yan Tay (Singapore) | 14:32 - 14:52 |
| Question and answer | 14:52 - 15:00 |
| <i>Special interest group</i> 15:30 - 17:00 | |
| WDSS: Upper airway ultrasound in screening, evaluating, guiding management, and assessing treatment effectiveness of obstructive sleep apnea <i>Chair:</i> Clete Kushida (United States) <i>Chair:</i> Hsueh-Yu Li (Taiwan) | |
| Summary | 15:30 - 15:30 |
| Introduction | 15:30 - 15:32 |
| Use of ultrasound in obstructive sleep apnea patients to evaluate the upper airway and guide treatment Clete Kushida (United States) | 15:32 - 15:52 |
| Screening of underdiagnosed general population for obstructive sleep apnea using upper airway ultrasonography Wei-Chung Hsu (Taiwan) | 15:52 - 16:12 |
| Backscattered ultrasound imaging of tongue in predicting the hypoglossal nerve stimulation treatment outcome Kurt Tschopp (Switzerland) | 16:12 - 16:32 |
| Ultrasound imaging of tongue configuration in predicting the effect of mandibular advancement devices on obstructive sleep apnea treatment Yunn-Jy Chen (Taiwan) | 16:32 - 16:52 |
| Question and answer | 16:52 - 17:00 |

Sunday, 07. September 2025*Special interest group*

08:00 - 09:00

WDSS: Industry breakfast*Technologist session*

08:00 - 12:00

Global perspectives for sleep technologists: Education, standards, and future growth

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| Session 1: Sleep technologists around the world | 08:00 - 08:00 |
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| Continuous training, expert certification: What is news in Europe and what we can do to improve as sleep techs worldwide? | 08:00 - 08:20 |
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| Sleep Technologists: The relationship between training, skills, and job prospects vs. the accreditation of sleep medicine centers | 08:20 - 08:40 |
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Paolo Matrigiani (Italy)

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| USA reality: BRPT as a model for training and expert certification around the world | 08:40 - 09:00 |
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| Discussion group | 09:00 - 09:20 |
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| Session 2: Training | 09:20 - 09:20 |
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| PSG and VPSG: New guideline from AASM | 09:20 - 09:40 |
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| The role of sleep technologists in pharmacological studies and clinical trials | 09:40 - 10:00 |
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| Sleep breathing disorders: MCR as a gold standard for diagnosis and the role of screening devices | 10:00 - 10:20 |
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Paolo Matrigiani (Italy)

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| MWT and MSLT in adult and pediatric patients: The role and guidelines | 10:20 - 10:40 |
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| Discussion group | 10:40 - 11:00 |
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| Session 3: The role on multidisciplinary in sleep medicine | 11:00 - 11:00 |
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| Connecting the dots: Multidisciplinary approach to screening, prevention and rehabilitation of sleep disorders | 11:00 - 11:20 |
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| Sleep breathing disorders: Treatment in OSA patients with CPAP therapy and interaction with respiratory therapists | 11:20 - 11:40 |
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Course

08:00 - 17:00

R308

C-10: Narcolepsy and other hypersomnias of central origin: From mechanism to management*Chair:* Fang Han (China)*Chair:* Morenikeji Komolafe (Nigeria)

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| Introduction | 08:00 - 08:20 |
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Fang Han (China)

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| Overview of hypersomnia | 08:20 - 09:00 |
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Kingman Strohl (United States)

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| New Insights in narcolepsy research | 09:00 - 09:40 |
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Emmanuel Mignot (United States)

Question and answer 09:40 - 10:00**Coffee break** 10:00 - 10:20**Recognition of narcolepsy in children** 10:20 - 11:00

Yu Shu Huang (Taiwan)

Progress in medical treatment of narcolepsy and other hypersomnia of central origin 11:00 - 11:40

Yves Dauvilliers (France)

Question and answer 11:40 - 12:00**Lunch break** 12:00 - 13:00**Narcolepsy and metabolism: What do we know?** 13:00 - 13:40

Ahmed BaHammam (Saudi Arabia)

Comorbidity and burden of narcolepsy 13:40 - 14:00

SC Hong (Korea, Republic of)

Diagnostic burden and challenges of idiopathic hypersomnia 14:00 - 14:20

Lucie Barateau (France)

Question and answer 14:20 - 14:40**Coffee break** 14:40 - 15:00**Challenges in diagnosing and managing narcolepsy in other regions of the world: Africa** 15:00 - 15:40

Morenikeji Komolafe (Nigeria)

From isolation to international narcolepsy awareness: The power of peers and role models to build a global movement 15:40 - 16:00

Julie Flygare (United States)

A parent's journey: From narcolepsy diagnosis to shaping the future of sleep research 16:00 - 16:20

Lindsay Jesteadt (United States)

Question & answer 16:20 - 17:00*Course*

08:00 - 17:00

R309

C-11: Sleep aging, and neurodegeneration*Chair:* Aleks Videnovic (United States)*Chair:* Mei Sian Chong (Singapore)**Summary** 08:00 - 08:00**Introduction** 08:00 - 08:10

Aleks Videnovic (United States)

Mei Sian Chong (Singapore)

Sleep and rhythms in healthy aging 08:10 - 08:50

Sonia Ancoli-Israel (United States)

Association between sleep and cognition in older adults 08:50 - 09:30

Shuo Qin (Singapore)

Question and answer 09:30 - 09:45

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| Coffee break | 09:45 - 10:00 |
| Sleep and rhythms in dementias Brendan Lucey (United States) | 10:00 - 10:40 |
| Obstructive sleep apnea in older adults Naricha Chirakalwasan (Thailand) | 10:40 - 11:20 |
| Question and answer | 11:20 - 11:35 |
| Lunch break | 11:35 - 12:40 |
| Science year in review Murat Aksu (Turkey) | 12:40 - 13:10 |
| REM sleep behavior disorder YK Wing (Hong Kong) | 13:10 - 13:50 |
| RBD and disease modification of synucleinopathies Aleks Videnovic (United States) | 13:50 - 14:30 |
| Question and answer | 14:30 - 14:45 |
| Coffee break | 14:45 - 15:00 |
| Sleep and circadian disturbances in Parkinson's disease Claudio Liguori (Italy) | 15:00 - 15:40 |
| Glymphatic system: Relevance for healthy aging and neurodegeneration Ambra Stefani (Austria) | 15:40 - 16:20 |
| Question and answer | 16:20 - 16:35 |
| Clinical case vignettes Murat Aksu (Turkey) Claudio Liguori (Italy) | 16:35 - 16:55 |
| Closing remarks Aleks Videnovic (United States) Mei Sian Chong (Singapore) | 16:55 - 17:00 |
| <i>Course</i> 08:00 - 12:00 | R310 |
| C-13: Comorbid insomnia and sleep apnea (COMISA): When common conditions co-occur <i>Chair:</i> Melinda Jackson (Australia) <i>Chair:</i> Leon Lack (Australia) | |
| Introduction Melinda Jackson (Australia) | 08:00 - 08:10 |
| COMISA epidemiology Alexander Sweetman (Australia) | 08:10 - 09:00 |
| COMISA mechanisms Célyne Bastien (Canada) | 09:00 - 09:50 |
| Coffee break | 09:50 - 10:20 |

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| Patient management: Treating insomnia in COMISA | 10:20 - 11:10 |
| Leon Lack (Australia) | |
| Patient management: Treating OSA in COMISA | 11:10 - 12:00 |
| Michelle Zeidler (United States) | |
| <i>Course</i> | |
| 08:00 - 12:00 | R311 |
| C-14: Dental sleep medicine | |
| <i>Chair:</i> Mimi Yow (Singapore) | |
| <i>Chair:</i> Steven Carstensen (United States) | |
| Summary | 08:00 - 08:00 |
| Introduction to dental sleep medicine | 08:00 - 08:20 |
| Steven Carstensen (United States) | |
| Lecture: Sleep bruxism, sleep-related movement disorders, and its neurological associations | 08:20 - 09:00 |
| Zheyu Xu (Singapore) | |
| The NTI dental device as a screening tool for REM sleep bruxism and its medical comorbidities | 09:00 - 09:40 |
| David Tay (Singapore) | |
| Panel discussion / Question and answer | 09:40 - 10:00 |
| Coffee break | 10:00 - 10:20 |
| Understanding the paediatric airway in relation to sleep-disordered breathing: Current knowledge and practice | 10:20 - 11:00 |
| Lynn Koh (Singapore) | |
| Childhood sleep-disordered breathing, dentofacial parameters, upper airway space and management | 11:00 - 11:40 |
| Audrey Yoon (United States) | |
| Question & answer | 11:40 - 12:00 |
| <i>Course</i> | |
| 08:00 - 12:00 | R324 |
| C-22: Occupational health and shift work | |
| <i>Chair:</i> Mark Howard (Australia) | |
| <i>Chair:</i> Sveta Postnova (Australia) | |
| Summary | 08:00 - 08:00 |
| Introduction | 08:00 - 08:20 |
| Mark Howard (Australia) | |
| Sveta Postnova (Australia) | |
| Shift work, internal desynchrony, and metabolic and cardiovascular health | 08:20 - 09:00 |
| Hans Van Dongen (United States) | |
| Bench to the bedside: Translating individual shiftwork strategies for healthcare workers | 09:00 - 09:40 |
| Mark Howard (Australia) | |
| Discussion / Question and answer | 09:40 - 10:00 |
| Sveta Postnova (Australia) | |

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| Coffee break | 10:00 - 10:20 |
| From data to care: Personalized AI models for sleep and mental health in shift workers Jae Kyoung Kim (Korea, Republic of) | 10:20 - 11:00 |
| Prediction and optimization of circadian health in shift work Sveta Postnova (Australia) | 11:00 - 11:40 |
| Discussion / Question and answer Mark Howard (Australia) | 11:40 - 12:00 |
| <i>Course</i> 08:00 - 12:00 | R325 |
| C-15: Wearables and sleep trackers <i>Chair:</i> Michael Chee (Singapore) <i>Chair:</i> Cathy Goldstein (United States) | |
| Summary | 08:00 - 08:00 |
| Introduction Michael Chee (Singapore) | 08:00 - 08:05 |
| Multi-sensor wearable health trackers: Measurements and outputs Mathias Baumert (Australia) | 08:05 - 08:45 |
| Interpreting performance evaluation studies: Choosing the right device for your needs Ju Lynn Ong (Singapore) | 08:45 - 09:25 |
| Sleep tracker use in healthy individuals Kelly Baron (United States) | 09:25 - 10:05 |
| Question and answer | 10:05 - 10:15 |
| Coffee break | 10:15 - 10:25 |
| Sleep tracker use in patients with sleep disorders and other chronic medical conditions Cathy Goldstein (United States) | 10:25 - 11:05 |
| Beyond sleep: Leveraging other health applications wearable trackers Michael Chee (Singapore) | 11:05 - 11:45 |
| Question & answer Cathy Goldstein (United States) | 11:45 - 12:00 |
| <i>Course</i> 08:00 - 12:00 | R326 |
| C-16: Sleep, psychiatry, and mental health <i>Chair:</i> Ahmed BaHammam (Saudi Arabia) <i>Chair:</i> Charles Morin (Canada) | |
| Epidemiology of sleep and psychiatric disorders Charles Morin (Canada) | 08:00 - 08:10 |
| The bi-directional relationships between insomnia and major depression: Clinical and diagnostic Dieter Riemann (Germany) | 08:10 - 08:50 |
| Sleep and post-traumatic stress disorders Laura Palagini (Italy) | 08:50 - 09:30 |

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| | Coffee break | 09:30 - 09:50 |
| | Neuropsychiatric manifestations in narcolepsy | 09:50 - 10:30 |
| Ahmed BaHamam (Saudi Arabia) | | |
| | Sleep in schizophrenia and bipolar disorders | 10:30 - 11:10 |
| Michael Mak (Canada) | | |
| | Pharmacological and behavioral management of sleep disturbances in psychiatric disorders | 11:10 - 11:50 |
| Christoph Nissen (Switzerland) | | |
| | Question and answer | 11:50 - 12:00 |
| <i>Course</i> | | |
| 08:00 - 17:00 | | R327 |
| | C-12: Sleep-related movement disorders | |
| <i>Chair: John Winkelman (United States)</i> | | |
| <i>Chair: Yuichi Inoue (Japan)</i> | | |
| <i>Chair: Raffaele Ferri (Italy)</i> | | |
| | Summary | 08:00 - 08:00 |
| | Introduction | 08:00 - 08:10 |
| | Clinical and neurophysiological aspects of RLS | 08:10 - 08:50 |
| Mauro Manconi (Switzerland) | | |
| | Clinical phenotypes of RLS | 08:50 - 09:30 |
| Elias Karroum (United States) | | |
| | Psychiatric aspects of RLS | 09:30 - 10:10 |
| Yuichi Inoue (Japan) | | |
| | Discussion / Question and answer | 10:10 - 10:20 |
| | Coffee break | 10:20 - 10:40 |
| | Pediatric RLS | 10:40 - 11:20 |
| Oliviero Bruni (Italy) | | |
| | Movement activity during sleep in RLS | 11:20 - 12:00 |
| Raffaele Ferri (Italy) | | |
| | Discussion / Question and answer | 12:00 - 12:10 |
| | Lunch break | 12:10 - 13:10 |
| | Pathophysiological substrates of RLS: Insights from animal models | 13:10 - 13:50 |
| Alessandro Silvani (Italy) | | |
| | The omics of RLS | 13:50 - 14:30 |
| Maria Paola Mogavero (Italy) | | |
| | Discussion / Question and answer | 14:30 - 14:40 |
| | Coffee break | 14:40 - 15:00 |
| | RCTs in RLS | 15:00 - 15:40 |
| Diego Garcia-Borreguero (Spain) | | |

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| Treatment guidelines of RLS | 15:40 - 16:20 |
| John Winkelman (United States) | |
| Question & answer | 16:20 - 17:00 |
| <i>ASSM Meeting</i> 08:00 - 17:00 | R328 |
| ASSM Annual Meeting | |
| Summary | 08:00 - 08:00 |
| <i>ASSM Meeting</i> 08:00 - 17:00 | R329 |
| ASSM Annual Meeting | |
| Summary | 08:00 - 08:00 |
| <i>ASSM Meeting</i> 08:00 - 17:00 | |
| ASSM Annual Meeting | |
| <i>Special interest group</i> 09:15 - 10:15 | |
| WDSS: Clinical presentations | |
| Increased post-treatment REM/NREM AHI ratio in patients with OSA successfully treated with MAD oral appliance: could it be a new PSG phenotype indicating poor upper airway muscle responsiveness? | 09:15 - 09:35 |
| Meng-Chen Tsou (Taiwan) | |
| Evaluation of sleep quality improvement with maxillary skeletal expansion using home sleep test and CBCT airway measurements | 09:35 - 09:55 |
| Sheetal Patil (United States) | |
| Segmental mandibular advancement for moderate-to-severe obstructive sleep apnea | 09:55 - 10:15 |
| Chi Ching Joan Wan (Hong Kong) | |
| <i>Special interest group</i> 10:30 - 12:00 | |
| WDSS: Journey of obstructive sleep apnea: From womb to tomb | |
| Chair: Stanley Liu (United States) | |
| Chair: Nivedita Kumar (India) | |
| Summary | 10:30 - 10:30 |
| Introduction | 10:30 - 10:32 |
| Pediatric OSA: Pre and Post natal risk factors, screening and early intervention | 10:32 - 10:48 |
| Kranthi Kumar R (India) | |
| Orthodontic intervention in OSA: discussion and case presentation for modification of Vertical growth and maxillary expansion for transverse deficiency | 10:48 - 11:04 |
| Jojo Vallamattam (India) | |

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| | Burden of UARS and OSA on TMD, headaches and orofacial pain, and management in an integrated sleep center | 11:04 - 11:20 |
| Nivedita Kumar (India) | | |
| | Restoration of nasal breathing in sleep as the foundation of healthy facial and airway growth | 11:20 - 11:36 |
| Stanley Liu (United States) | | |
| | OSA in Geriatric population: Implications and multidisciplinary management along with prosthetic rehabilitation | 11:36 - 11:52 |
| Rangarajan Vedantham (India) | | |
| | Question and answer | 11:52 - 12:00 |
| <i>Special interest group</i> | | |
| 12:00 - 13:00 | | |
| Sustainability task force roundtable | | |
| | Welcome | 12:00 - 12:00 |
| Timothy Morgenthau (United States) | | |
| Teofilo Lee-Chiong (United States) | | |
| | Introductions of task force members | 12:00 - 12:00 |
| | Mission statement and principles | 12:00 - 12:00 |
| | Organizational structure and election of officers | 12:00 - 12:00 |
| | Schedule of virtual meetings | 12:00 - 12:00 |
| | Goals and projects | 12:00 - 12:00 |
| | Concluding remarks | 12:00 - 12:00 |
| Allan O'Bryan (United States) | | |
| <i>Special interest group</i> | | |
| 12:30 - 13:30 | | |
| WDSS: Industry lunch | | |
| <i>Course</i> | | |
| 13:00 - 17:00 | | R310 |
| C-17: Cardiovascular consequences of sleep apnea: What is new? | | |
| <i>Chair: Virend Somers (United States)</i> | | |
| <i>Chair: Kate Chan (Hong Kong)</i> | | |
| | Summary | 13:00 - 13:00 |
| | Introduction | 13:00 - 13:05 |
| Virend Somers (United States) | | |
| | Sleep apnea in hypertrophic cardiomyopathy: Prevalence, pathophysiology and prognostic implications | 13:05 - 13:50 |
| Virend Somers (United States) | | |
| | Sleep apnea and heart failure | 13:50 - 14:35 |
| Douglas Bradley (Canada) | | |
| | Coffee break | 14:35 - 14:45 |
| | Long-term cardiovascular outcomes of sleep apnea: From childhood to adulthood | 14:45 - 15:30 |

Kate Chan (Hong Kong)

Mandibular advancement versus CPAP for blood pressure control in patients with hypertension and cardiovascular risk

15:30 - 16:15

Ronald Lee (Singapore)

Tirzepatide and cardiovascular outcomes: implications for sleep apnea management

16:15 - 17:00

Atul Malhotra (United States)

Course

13:00 - 17:00

R311

C-18: Essentials of sleep surgery: Tools, techniques, and tactics

Chair: Stanley Liu (United States)

Chair: Shaun Loh (Singapore)

Chair: Maria Suurna (United States)

Part 1: How to evaluate and select patients for surgery:

13:00 - 13:00

PSG vs HST

13:00 - 13:20

Clete Kushida (United States)

DISE

13:20 - 13:40

Madeline Ravesloot (Netherlands)

Endotypes/phenotypes and surgical outcomes

13:40 - 14:00

Olivier Vanderveken (Belgium)

Part 2: Role of soft tissue surgery and outcomes:

14:00 - 14:00

Song Tar Toh (Singapore)

Evolution of palatal surgery

14:00 - 14:15

Ryan Soose (United States)

Palatal approaches for a single level vs multilevel surgery

14:15 - 14:30

Srinivas Kishore (India)

How to manage the tongue base obstruction

14:30 - 14:45

Julia Crawford (Australia)

Coffee break

14:45 - 15:00

Part 3: Nasal and skeletal surgery for nasal breathing:

15:00 - 15:00

Ofer Jacobowitz (United States)

Nasal surgery for OSA

15:00 - 15:15

Chan Soon Park (Korea, Republic of)

Nasal breathing from childhood to adult

15:15 - 15:30

Stacey Ishman (United States)

Naso-maxillary expansion for SDB

15:30 - 15:45

Stanley Liu (United States)

Part 4: Advances in neurostimulation in treatment of sleep apnea:

15:45 - 16:00

Evolution of hypoglossal nerve in Asia

16:00 - 16:15

Shaun Loh (Singapore)

Combination procedures with Hypoglossal Nerve Stimulation

16:15 - 16:30

Maria Suurna (United States)

Unilateral vs bilateral neurostimulation for sleep apnea

16:30 - 16:45

Clemens Heiser (Germany)

Question & answer

16:45 - 17:00

Course

13:00 - 17:00

R324

C-19: Parasomnias

Chair: Carlos Schenck (United States)

Chair: Federica Provini (Italy)

Summary

13:00 - 13:00

Introduction

13:00 - 13:20

Carlos Schenck (United States)

Disorders of arousal from NREM sleep

13:20 - 14:00

Federica Provini (Italy)

REM sleep behavior disorder (RBD)

14:00 - 14:40

Carlos Schenck (United States)

Coffee break

14:40 - 15:00

Sleep related eating disorder (SRED)

15:00 - 15:40

Yuichi Inoue (Japan)

Nightmares

15:40 - 16:20

Brigitte Holzinger (Austria)

Question & answer

16:20 - 16:40

Course

13:00 - 17:00

R325

C-20: Sleep health

Chair: Daniel Buysse (United States)

Chair: Rebecca Robillard (Canada)

Introduction

13:00 - 13:15

Rebecca Robillard (Canada)

Sleep health: From concept to clinic to public health

13:15 - 13:55

Daniel Buysse (United States)

Sleep health: Implications for population health and prevention

13:55 - 14:35

Yu Sun Bin (Australia)

Discussion / Question and answer

14:35 - 14:55

Coffee break

14:55 - 15:15

Sleep health implications for cardiometabolic and other medical conditions

15:15 - 15:55

Arezu Najafi (Iran)

Sleep health implications for mental health

15:55 - 16:35

Michael Grandner (United States)

Discussion / Question and answer

16:35 - 17:00

Course

13:00 - 17:00

R326

C-21: Genetics and sleep disorders*Chair:* Juliane Winkelmann (Germany)*Chair:* Sutapa Mukherjee (Australia)**Summary**

13:00 - 13:00

Introduction

13:00 - 13:10

Juliane Winkelmann (Germany)

Sutapa Mukherjee (Australia)

Genetics of insomnia

13:10 - 14:00

Richa Saxena (United States)

Genetics of OSA

14:00 - 14:50

Hanna Ollila (Finland)

Coffee break

14:50 - 15:10

Genetics of narcolepsy

15:10 - 16:00

Emmanuel Mignot (United States)

Genetics of restless legs

16:00 - 16:50

Juliane Winkelmann (Germany)

Discussion / Question and answer

16:50 - 17:00

Special interest group

13:30 - 15:00

The rationale of Orofacial myofunctional therapy (OMT) in a combined modality treatment in OSA; A new perspective*Chair:* Harald Hrubos-Strom (Norway)*Chair:* Susana Falardo (Portugal)**Summary**

13:30 - 13:30

Introduction

13:30 - 13:32

Impaired muscle responsiveness in OSA: an endotype for targeted combined modality treatments

13:32 - 13:48

Venkata Koka (France)

Rationale in the selection of targeted oropharyngeal exercises in OSA treatment

13:48 - 14:04

Susana Falardo (Portugal)

Facilitators and barriers to orofacial myofunctional therapy adherence in OSA

14:04 - 14:20

Harald Hrubos-Strom (Norway)

Devices and AI for myofunctional therapy in OSA

14:20 - 14:36

Chu Qin Phua (Singapore)

A consensus for OMT in a multidisciplinary and multimodality approach in OSA

14:36 - 14:52

Triin Jagomägi (Estonia)

Question and answer

14:52 - 15:00

Course

14:00 - 17:00

C-23: Navigating your research career: Skill development and career advice for early and mid-career researchers*Chair:* Christina Bini (Sweden)*Chair:* Nicole Grivell (Australia)**Summary**

14:00 - 14:00

Navigating the research career pathway

14:00 - 14:50

Fang Han (China)

Yun Shen (China)

Kavitha Venkatnarayan (India)

Coffee break

14:50 - 15:05

Developing research skills

15:05 - 15:45

Danny Eckert (Australia)

Coffee break

15:45 - 16:00

Getting answers to hard questions

16:00 - 17:00

Amy Jordan (Australia)

Charles Morin (Canada)

Dalva Poyares (Brazil)

Special interest group

15:30 - 17:00

WDSS: COMISA: Updates for dental practice*Chair:* Miguel Meira e Cruz (Portugal)*Chair:* Alexander Sweetman (Australia)**Summary**

15:30 - 15:30

Introduction

15:30 - 15:32

When insomnia and sleep apnea meet together

15:32 - 15:52

Alexander Sweetman (Australia)

Orofacial aspects of COMISA: pathways and clinical pictures

15:52 - 16:12

Miguel Meira e Cruz (Portugal)

Bruxism, insomnia, and sleep apnea

16:12 - 16:32

Cibele Dal Fabbro (Canada)

COMISA interaction with surgical outcomes

16:32 - 16:52

Pedro Oliveira (United States)

Question and answer

16:52 - 17:00

Poster abstract

17:00 - 18:00

Poster abstract group 1*Social event*

18:30 - 20:15

Opening ceremony*Social event*

20:15 - 21:45

Awards ceremony

R324

Monday, 08. September 2025*Keynote*

08:00 - 08:45

K-01: Thomas Penzel: Innovations in sleep technology: Advancing diagnosis and treatment of sleep disorders*Keynote*

08:00 - 08:45

K-02: Russell Foster: Light, circadian rhythms and sleep: Fundamental mechanisms to new therapeutics*Exhibition*

08:30 - 15:30

Exhibit Hall*Symposium*

09:00 - 10:30

S-01: Pharmacotherapy of obstructive sleep apnea in 2025*Chair:* Atul Malhotra (United States)*Chair:* Vsevolod Polotsky (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

GLPR1 agonists in OSA

09:02 - 09:18

Atul Malhotra (United States)

A combination of antimuscarinic agents with selective norepinephrine reuptake inhibitors to treat OSA

09:18 - 09:34

Ana Sanchez-Azofra (United States)

Carbonic anhydrase inhibitors to treat OSA

09:34 - 09:50

Jan Hedner (Sweden)

Treating sleepiness in OSA: Is it worth it?

09:50 - 10:06

Julia Chapman (Australia)

Drug development in OSA: What else in the pipeline?

10:06 - 10:22

Vsevolod Polotsky (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

S-02: The Global Adolescent Sleep Project (GASP): A Summary of the Findings, Research Gaps and Future Directions*Chair:* Judith Owens (United States)*Chair:* Judith Owens (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

1) Introduction: Goals and Methods; 2) Summary and Next Steps

09:02 - 09:18

Judith Owens (United States)

Sleep and Mental/Behavioral Health

09:18 - 09:34

Magda LaHorgue Nunes (Brazil)

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|---|---------------|
| Accidental Injuries and Immune Function and Infection | 09:34 - 09:50 |
| Saadoun Bin Hasan (Kuwait) | |
| Sleep and Cognition/Learning and Academic Achievement | 09:50 - 10:06 |
| Karen Spruyt (France) | |
| Sleep and Obesity, Cardiovascular and Metabolic Function | 10:06 - 10:22 |
| Chris Xie Chen (Hong Kong) | |
| Question & Answer | 10:22 - 10:30 |

Symposium

09:00 - 10:30

S-03: Challenges of using cognitive behavioral treatment for insomnia in specific patient groups and settings*Chair:* Kai Spiegelhalder (Germany)*Chair:* Shirley Xin Li (Hong Kong)

| | |
|--|---------------|
| Summary | 09:00 - 09:00 |
| Introduction | 09:00 - 09:02 |
| Challenges of cognitive behavioural treatment for insomnia in adolescents | 09:02 - 09:18 |
| Shirley Xin Li (Hong Kong) | |
| Challenges of cognitive behavioural treatment for insomnia in primary care | 09:18 - 09:34 |
| Charles Morin (Canada) | |
| Challenges in adapting cognitive behavioural treatment for perinatal insomnia | 09:34 - 09:50 |
| Bei Bei (Australia) | |
| Challenges of cognitive behavioural treatment for insomnia in shift workers | 09:50 - 10:06 |
| Kai Spiegelhalder (Germany) | |
| Challenges of cognitive behavioural treatment for insomnia in psychiatric inpatients with comorbid conditions | 10:06 - 10:22 |
| Elisabeth Hertenstein (Switzerland) | |
| Question & Answer | 10:22 - 10:30 |

Symposium

09:00 - 10:30

S-04: WSS Task Force recommendations for use of consumer health trackers for sleep tracking*Chair:* Michael Chee (Singapore)*Chair:* Clete Kushida (United States)

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|---|---------------|
| Summary | 09:00 - 09:00 |
| Introduction | 09:00 - 09:02 |
| Rationale and scope of recommendations | 09:02 - 09:18 |
| Michael Chee (Singapore) | |
| Using wearable sleep data from healthy persons | 09:18 - 09:34 |
| Cathy Goldstein (United States) | |
| Using sleep trackers in persons with sleep disorders or medical conditions | 09:34 - 09:50 |
| Kelly Baron (United States) | |

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|--|---|---------------|
| | Reading a performance evaluation and selecting an appropriate device | 09:50 - 10:06 |
| Mathias Baumert (Australia) | | |
| | Ingesting sleep data into clinical records | 10:06 - 10:22 |
| Thomas Penzel (Germany) | | |
| | Question & Answer | 10:22 - 10:30 |
| <i>Symposium</i> 09:00 - 10:30 | | |
| S-05: OSA, neurodegeneration and neurocognitive decline: New insights and future directions | | |
| <i>Chair:</i> Najib Ayas (Canada) | | |
| <i>Chair:</i> Sutapa Mukherjee (Australia) | | |
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | How does OSA lead to neurodegeneration? Discussion of mechanisms of oxidative stress to glymphatics. | 09:02 - 09:18 |
| Camilla Hoyos (Australia) | | |
| | Can physiologic biomarkers from polysomnography predict neurodegeneration? | 09:18 - 09:34 |
| Mohammadreza Hajipour (Canada) | | |
| | Predicting and monitoring neurodegeneration with plasma biomarkers | 09:34 - 09:50 |
| Andrew Varga (United States) | | |
| | Predicting neurocognitive response to CPAP - A step towards precision medicine? | 09:50 - 10:06 |
| Andrey Zinchuk (United States) | | |
| | Questions and discussion session | 10:06 - 10:22 |
| Sutapa Mukherjee (Australia) | | |
| | Question & Answer | 10:22 - 10:30 |
| <i>Symposium</i> 09:00 - 10:30 | | |
| S-06: Sleep health and aging: A decade research and its global implications | | |
| <i>Chair:</i> Daniel Buysse (United States) | | |
| <i>Chair:</i> Soomi Lee (United States) | | |
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | Lessons Learned from a Decade of Research on Sleep Health | 09:02 - 09:18 |
| Daniel Buysse (United States) | | |
| | Multidimensional Sleep Health Methods: From the Simple to the Sublime | 09:18 - 09:34 |
| Meredith Wallace (United States) | | |
| | Exploring Generational Variations in Multidimensional Sleep Health: Insights from Epidemiological Data of the Japanese Adults Population | 09:34 - 09:50 |
| Ryuji Furihata (Japan) | | |
| | Sleep Health Profiles, Pain, and Chronic Conditions: Evidence from | 09:50 - 10:06 |

US and Asian Countries

Soomi Lee (United States)

Multi-dimensional Sleep Health in Cognitive Aging

10:06 - 10:22

Orfeu Buxton (United States)

Question & answer

10:22 - 10:30

Symposium

09:00 - 10:30

R308

S-07: Hypersomnolence in focus: Orexin as the key to treating comorbidities and secondary diseases?*Chair:* Anna Heidbreder (Austria)*Chair:* Lucie Barateau (France)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Orexin as a key mechanism: Influence on comorbid and disease-immanent disorders in hypersomnolence

09:02 - 09:22

Jari Gool (Netherlands)

Narcolepsy and cardiovascular risk: Links between hypersomnolence and cardiovascular disease

09:22 - 09:42

Poul Jørgen Jennum (Denmark)

Mental comorbidities in narcolepsy: Depression, anxiety disorders and the impact of orexin on psychiatric health

09:42 - 10:02

Anna Heidbreder (Austria)

Therapeutic approaches in narcolepsy: New perspectives through orexin receptor agonists and their significance for the treatment of comorbidities

10:02 - 10:22

Lucie Barateau (France)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R309

S-08: Decoding neurological sleep disorders: Genetic and omics approaches to advance clinical practice*Chair:* Hanna Ollila (Finland)*Chair:* Richa Saxena (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Shared and Unique Genetic Mechanisms Between Self-Reported or Clinical Insomnia

09:02 - 09:22

Richa Saxena (United States)

Genetic Mechanisms in Bruxism and Clinical Implications

09:22 - 09:42

Tommi Strausz (United States)

Narcolepsy: Mechanisms and Translational Advances

09:42 - 10:02

Emmanuel Mignot (United States)

ME/CFS and Long COVID: Genetic and Omics Insights

10:02 - 10:22

Vilma Lammi (Finland)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R324

S-09: The medical and dental aspects of Asian and Caucasian populations in cardiosleep outcomes with oral appliance therapy on sleep-disordered breathing, blood pressure control, and maladaptive myocardial remodelling*Chair:* Mimi Yow (Singapore)*Chair:* Jing-Hao Ng (Singapore)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Medical aspects of oral appliance therapy in a randomized, controlled, non-inferiority trial of patients with OSA and health morbidities in Asia

09:02 - 09:22

Yihui Ou (Singapore)

Considerations in oral appliance design for different populations in the management of sleep-disordered breathing

09:22 - 09:42

Simona Orlej (Czech Republic)

Phenotyping patients with sleep-disordered breathing disorders for management with oral appliances

09:42 - 10:02

May-Nak Lau (Malaysia)

British airways - Medical effects and dental outcomes of oral appliances in Caucasians with sleep-disordered breathing

10:02 - 10:22

Lindsay Winchester (United Kingdom)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R325

S-10: Mechanisms underlying REM sleep memory modification*Chair:* Lucia Talamini (Netherlands)*Chair:* Gina Poe (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

A unique role for REM sleep in memory modification; findings from targeted memory reactivation studies

09:02 - 09:22

Penny Lewis (United Kingdom)

Theta phase-locked memory reactivation during REM sleep reduces memories' emotional tone

09:22 - 09:42

Lucia Talamini (Netherlands)

Critical dynamics during REM sleep

09:42 - 10:02

Antione Adamantidis (Switzerland)

Local interneurons governing REM functions in memory consolidation versus clearance

10:02 - 10:22

Gina Poe (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R326

S-11: Prefrontal cortical orchestration of sleep: The missing link between sleep disruption and psychiatric disease?*Chair:* Lukas Krone (United Kingdom)*Chair:* Franz Weber (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Bidirectional regulation of NREM sleep by prefrontal cortex pyramidal neurons

09:02 - 09:18

Lukas Krone (United Kingdom)

Prefrontal-hypothalamic dynamics regulating REM sleep

09:18 - 09:34

Franz Weber (United States)

Prefrontal synaptic regulation of homeostatic sleep pressure

09:34 - 09:50

Shoi Shi (Japan)

Early life sleep is critical for mPFC development and species-typical social behavior in the monogamous prairie vole

09:50 - 10:06

Miranda Lim (United States)

Melanin-concentrating hormone modulates medial prefrontal cortex neuron properties and reduces learned helplessness after stress

10:06 - 10:22

Kyoko Tossell (United Kingdom)

Question & Answer

10:22 - 10:30

Oral abstract

09:00 - 10:30

R328

Oral abstract: Content to be determined*Oral abstract*

09:00 - 10:30

R329

Oral abstract: Content to be determined*Oral abstract*

09:00 - 10:30

Oral abstract: Content to be determined*Symposium*

10:45 - 12:15

S-12: Narcolepsy: Examining the science, impact, and current unmet needs*Chair:* Raffaele Ferri (Italy)*Chair:* Phyllis Zee (United States)**Introduction**

10:45 - 10:47

The orexin system: Foundation of NT1 pathophysiology and therapeutic avenues

10:47 - 11:03

Emmanuel Mignot (United States)

Narcolepsy across the lifespan: Pediatric and adult perspectives

11:03 - 11:19

Kiran Maski (United States)

Clinical heterogeneity in narcolepsy: Implications for diagnosis and management

11:19 - 11:35

Claudio Bassetti (Switzerland)

Genetics and autoimmunity in narcolepsy: Insights from Asian cohorts

11:35 - 11:51

Makoto Honda (Japan)

Innovations in narcolepsy treatment: From evidence to implementation

11:51 - 12:07

Yves Dauvilliers (France)

Question and answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-13: World Health Organization report on road safety: Pathway to global professional driver work hours regulations

Chair: Mark Howard (Australia)

Chair: Arezu Najafi (Iran)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

WHO global report on road safety: Current professional driver work hours legislation and future targets

10:47 - 11:03

Fangfang Lou (China)

Continuous drowsiness monitoring to assess work hours impact on professional driver drowsiness: A naturalistic study

11:03 - 11:19

Mark Howard (Australia)

Applying guidelines for work shift and break duration to professional driver work hours regulations

11:19 - 11:35

Hans Van Dongen (United States)

Panel discussion/presentation: Pathway to global professional driver work hours regulations: Regulations and challenges in Nigeria

11:35 - 11:51

Morenikeji Komolafe (Nigeria)

Panel discussion/presentation: Pathway to global professional driver work hours regulations: Regulations and challenges in China

11:51 - 12:07

Fang Han (China)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-14: 45 years on from CPAP: Therapeutic options for pediatric OSA

Chair: Colin Sullivan (Australia)

Chair: Jasneek Chawla (Australia)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

CPAP in pediatric OSA- What have we learnt?

10:47 - 11:03

Karen Waters (Australia)

Positional therapy for pediatric OSA

11:03 - 11:19

Lena Xiao (Canada)

Heated humidified high flow nasal cannula therapy in children with OSA

11:19 - 11:35

Indra Narang (Canada)

The controversy around orthodontic treatment for OSA in children

11:35 - 11:51

Fernanda Almeida (Canada)

Residual OSA in children: The role of hypoglossal nerve stimulation

11:51 - 12:07

Stacey Ishman (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-15: Sleep loss increases intrusive memories: But, how?

Chair: Sean Drummond (Australia)

Chair: Jessica Ogden (Australia)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

The impact of time of day and sleep architecture on the frequency and intensity of intrusions following an analogue trauma exposure

10:47 - 11:07

Jessica Paterson (Australia)

Cognitive consequences of local sleep: From mental fatigue to hypersomnia's

11:07 - 11:27

Arthur LeCoz (France)

Day-to-day relationships between sleep and intrusive memories following experimental trauma exposure

11:27 - 11:47

Jessica Ogden (Australia)

The effects of sleep restriction and insomnia disorder on intrusive memories for emotional scenes

11:47 - 12:07

Tony Cunningham (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-16: Sleep and health problems among shift workers across the world: Novel findings, challenges, and future perspectives

Chair: Bjørn Bjorvatn (Norway)

Chair: Siri Waage (Norway)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Transitioning into shift work: Sleep and mental health challenges in new shift workers in Australia

10:47 - 11:07

Alexander Wolkow (Australia)

The impact of short rest periods between shifts (e.g., quick returns) on sickness absence, sleep, sleepiness and work-related fatigue

11:07 - 11:27

Ingebjørg LR Djupedal (Norway)

How start times and recovery periods determine sleep duration in shift workers

11:27 - 11:47

John Axelsson (Sweden)

Combining behavioral and circadian approaches to improve sleep and mental health in shift workers

11:47 - 12:07

Annie Vallières (Canada)

Question & Answer

12:07 - 12:15

Discussion group

10:45 - 12:15

S-17: Discussion group: Leading the charge: Sleep medicine's role in a healthier planet

Chair: Timothy Morgenthaler (United States)

Chair: Teofilo Lee-Chiong (United States)

Chair: Allan O'Bryan (United States)

Symposium

10:45 - 12:15

R308

S-18: iRBD biomarkers through the lens of young scientists: What do we have and what do we need?

Chair: Bradley Boeve (United States)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Clinical biomarkers in iRBD: Foundations for precision and integration

10:47 - 11:03

Luca Baldelli (Italy)

Molecular and metabolic imaging biomarkers: What's missing?

11:03 - 11:19

Beatrice Orso (Italy)

Electrophysiology and digital biomarkers: Automated monitoring of progression and phenoconversion in iRBD

11:19 - 11:35

Matteo Cesari (Austria)

Recent developments in diagnostic, prognostic, and disease-monitoring wet biomarkers in iRBD

11:35 - 11:51

Bei Huang (Hong Kong)

The ideal biomarker(s): From big data to personalized medicine

11:51 - 12:07

Bradley Boeve (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

R309

S-19: Associations of accelerometry-derived sleep variables with age-related disease outcomes and variations across sociodemographic groups and wearing time: Findings from the CHARGE Accelerometry Working Group

Chair: Heming Wang (United States)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Actigraphy-derived sleep quality and MRI markers of dementia in a diverse cohort of older adults

10:47 - 11:07

Clémence Cavaillès (France)

Associations of objectively measured sleep restriction-rebound patterns with all-cause mortality

11:07 - 11:27

Xiaoyu Li (China)

Reliability of brief accelerometer-based sleep measurements for capturing long-term sleep duration and variability

11:27 - 11:47

Tianyi Huang (United States)

| | | |
|---|---|---------------|
| | Association between accelerometry derived sleep duration with CVD and mortality | 11:47 - 12:07 |
| Kaitlin Potts (United States) | | |
| | Question & Answer | 12:07 - 12:15 |
| <i>Symposium</i> | | |
| 10:45 - 12:15 | | R324 |
| | S-20: Exploring the intersections of sleep bruxism, orofacial pain, insomnia, and obstructive sleep apnea | |
| Chair: Ghizlane Aarab (Netherlands) | | |
| Chair: Peter Svensson (Singapore) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:47 |
| | Introduction of the Intersections of Sleep Bruxism, Orofacial Pain, Insomnia, and Obstructive Sleep Apnea | 10:47 - 11:03 |
| Ghizlane Aarab (Netherlands) | | |
| | Overview of the mosaic of risk factors connecting orofacial pain and muscle activity in sleep bruxism | 11:03 - 11:19 |
| Peter Svensson (Singapore) | | |
| | Exploring common risk factors linking sleep bruxism and insomnia | 11:19 - 11:35 |
| Thiprawee Chattratrai (Thailand) | | |
| | Breaking the cycle: cognitive behavioral therapy for insomnia in patients with orofacial pain | 11:35 - 11:51 |
| Wendy Knibbe (Netherlands) | | |
| | From Bruxing to Breathing: Exploring the Complex Relationship between Sleep Bruxism and Obstructive Sleep Apnea | 11:51 - 12:07 |
| Deshui Li (China) | | |
| | Question & Answer | 12:07 - 12:15 |
| <i>Symposium</i> | | |
| 10:45 - 12:15 | | R325 |
| | S-21: Current evidence on cardiometabolic diseases and sleep disorders; Asian Perspectives | |
| Chair: Yuichi Inoue (Japan) | | |
| Chair: Naricha Chirakalwasan (Thailand) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:47 |
| | Association between the incidence of major adverse cardiovascular events and the presence of obstructive sleep apnea | 10:47 - 11:07 |
| Ronald Lee (Singapore) | | |
| | The relationship between sleep duration and glucose metabolism | 11:07 - 11:27 |
| Sirimon Reutrakul (United States) | | |
| | The prevalence of insomnia in Asia and its association with the increased risks of cardiometabolic diseases | 11:27 - 11:47 |
| Naricha Chirakalwasan (Thailand) | | |
| | The effect of environmental components in shaping sleep quality and duration | 11:47 - 12:07 |
| Motoo Yamauchi (Japan) | | |
| | Question & Answer | 12:07 - 12:15 |

Symposium

10:45 - 12:15

R326

S-22: Patterns of plates and pillows: Exploring the bidirectional interplay between sleep and circadian rhythms, and eating behavior and metabolic outcomes*Chair:* Morgan H James (Australia)*Chair:* Joel S Raymond (United States)**Summary**

10:45 - 10:45

Introduction

10:45 - 10:47

Eat, sleep, two-way street? Unravelling the reciprocal dynamics between sleep and eating using preclinical animal models

10:47 - 11:07

Joel S Raymond (United States)

From plate to pillow: How eating behaviours and sleep influence each other

11:07 - 11:27

Marie-Pierre St-Onge (United States)

Chrononutrition as a shared determinant of poor sleep and obesity in adolescents: Insights from the Teen Sleep Well Study

11:27 - 11:47

Emma Louise Gale (United Kingdom)

The effect of circadian disruption on eating behaviour, dietary intake, and metabolic outcomes in night shift working populations

11:47 - 12:07

Maxine Bonham (Australia)

Question & Answer

12:07 - 12:15

Oral abstract

10:45 - 12:15

R327

Oral Abstract: Content to be determined*Oral abstract*

10:45 - 12:15

R328

Oral abstract: Content to be determined*Oral abstract*

10:45 - 12:15

R329

Oral abstract: Content to be determined*Oral abstract*

10:45 - 12:15

Oral abstract: Content to be determined*Special interest group*

12:20 - 13:15

R302

New directions in measuring sleep outside the lab*Chair:* Merve Aktan Süzgün (Turkey)*Chair:* Yamei Li (China)**Summary**

12:20 - 12:20

Industry symposium

12:45 - 13:45

Lunch Symposium with ResMed

Industry symposium

12:45 - 13:45

Industry Symposia: Content to be determined*Industry symposium*

12:45 - 13:45

CME/EBAC- accredited - Breaking the Cycle: Prioritizing Weight Loss to Improve OSA Management, provided by Clinical Care Options, supported by an educational grant from Lilly*Industry symposium*

12:45 - 13:45

Industry Symposia: Content to be determined*Industry symposium*

12:45 - 13:45

Industry Symposia: Content to be determined

R309

Industry symposium

12:45 - 13:45

ProSomnus: Beyond Mandibular Advancement: Science, Innovation and Outcomes

R326

Stepwise Add-On and Endotype-informed Targeted Combination Therapy to Treat OSA

12:45 - 12:45

Danny Eckert (Australia)

Effectiveness of Oral Appliance Therapy as First-Line Treatment Compared with CPAP: The FLOSAT Study

12:45 - 12:45

Olivier Vanderveken (Belgium)

ProSomnus RPMO2 Oral Device with Embedded Oxygen Sensor

12:45 - 12:45

Edward Sall (United States)

Industry symposium

13:45 - 14:30

Workshop with Sefam

R302

Industry symposium

14:00 - 14:45

Workshop with Philips

R311

Keynote

14:15 - 15:00

K-03: Tiina Paunio: Sleep and development: Exploring the impact of sleep on mental health in children*Keynote*

14:15 - 15:00

K-04: Hiroki R. Ueda: Towards human systems biology of sleep/wake cycles: The role of calcium and phosphorylation in sleep*Industry symposium*

15:00 - 15:45

Workshop with Philips

R311

Symposium

15:15 - 16:45

S-23: Harnessing sensors and big data to decipher the link between sleep health and cardiovascular risk: Innovations and applications*Chair:* Alessandro Silvani (Italy)**Summary** 15:15 - 15:15**Introduction** 15:15 - 15:17**An Integrated Approach to Sleep-Cardiovascular Physiology: Utilizing Multi-Sensor and Multi-Device Data** 15:17 - 15:33

Alessandro Silvani (Italy)

Long-Term Monitoring of Sleep, Activity, and Heart Rate Using Multi-Sensor Wearables: Lessons from Narcolepsy Type One 15:33 - 15:49

Oriella Gnarra (Switzerland)

Digital Phenotyping via Consumer Wearables to Identify Links Between Sleep, Cardiovascular Disease Risk and Biological Aging 15:49 - 16:05

Weng Khong Lim (Singapore)

Leveraging Multi-Sensor Wearable Technology: Mapping Cardiorespiratory Health through PPG and Accelerometry 16:05 - 16:21

Pauli Ohukainen (Finland)

Translating Sleep Sensor and Big Data into Cardiorespiratory Care: Clinical Implications and Opportunities 16:21 - 16:37

Cathy Goldstein (United States)

Question & Answer 16:37 - 16:45*Symposium*

15:15 - 16:45

S-24: Novel approaches to address sleep problems in young children: Evidence from 5 randomized controlled trials*Chair:* Michal Kahn (Israel)**Summary** 15:15 - 15:15**Introduction** 15:15 - 15:17**Preventing postpartum insomnia: A three-arm RCT of CBT-I, responsive bassinets, and sleep hygiene** 15:17 - 15:33

Meagan Crowther (Australia)

Promoting infant sleep through enhanced co-parenting: Results from a sleep-adapted family foundations intervention 15:33 - 15:49

Douglas Teti (United States)

The "bedtime checking" sleep intervention in infants with insomnia: Preliminary results 15:49 - 16:05

Liat Tikotzky (Israel)

Addressing parental cognitions to improve infant insomnia: Results from a randomized controlled trial 16:05 - 16:21

Sooyeon(Aly) Suh (Korea, Republic of)

Enhancing imagery rehearsal therapy with the DreamChanger: A novel approach for treating nightmares in children 16:21 - 16:37

Michal Kahn (Israel)

Question & Answer 16:37 - 16:45

Symposium

15:15 - 16:45

S-25: Open data and open science in sleep medicine and sleep research*Chair:* Thomas Penzel (Germany)*Chair:* Diane Lim (United States)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Open science in sleep research in Europe: Legal limits, new opportunities and recent progress

15:17 - 15:37

Dagmar Krefting (Germany)

Benefits and challenges of open science: A neuro-AI perspective

15:37 - 15:57

Thomas Yeo (Singapore)

The National Sleep Resource enables phenotype research and personalized medicine

15:57 - 16:17

Shaun Purcell (United States)

Interoperability, integration and harmonization of data from multiple sources for sleep medicine

16:17 - 16:37

Christoph Schoebel (Germany)

Cynthia Schmidt (Germany)

Question and answer

16:37 - 16:45

Symposium

15:15 - 16:45

S-26: Advancing biomarkers in isolated REM sleep behavior disorder: Pathways to clinical implementation*Chair:* Shady Rahayel (Canada)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Leveraging structural MRI and neurocomputational models to predict disease pathways in iRBD

15:17 - 15:33

Shady Rahayel (Canada)

Brain molecular imaging for predicting phenoconversion and monitoring disease progression in iRBD

15:33 - 15:49

Giulia Carli (United States)

EEG and sleep structure features as disease progression biomarkers in iRBD

15:49 - 16:05

Andreas Brink-Kjaer (Denmark)

Structural connectivity alterations and network reorganisation in iRBD

16:05 - 16:21

Christina Tremblay (Canada)

Quantitative brain iron changes and genetic risk factors in iRBD

16:21 - 16:37

Rahul Gaurav (France)

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

S-27: Symptom subtypes of obstructive sleep apnea: Past, present, and future*Chair:* Peter Cistulli (Australia)*Chair:* Allan Pack (United States)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

The current status of symptom subtypes - An international perspective

15:17 - 15:37

Brendan Keenan (United States)

Are men and women really the same when it comes to OSA symptoms subtypes?

15:37 - 15:57

Maria Bonsignore (Italy)

An 'omics approach to predict the excessively sleepy OSA subtype

15:57 - 16:17

Yun Li (China)

Translating symptoms subtypes to the clinic - What are the next steps?

16:17 - 16:37

Ulysses Magalang (United States)

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

S-28: Global insights and emerging perspectives on sleep (ir)regularity*Chair:* Andrew Phillips (Australia)*Chair:* Amy Reynolds (Australia)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Measuring sleep (ir)regularity : Current metrics and applications

15:17 - 15:37

Dorothee Steven (Germany)

Linking sleep irregularity to cardiometabolic disease and mortality: Epidemiologic evidence

15:37 - 15:57

Tianyi Huang (United States)

Multigenerational sleep regularity and its associations with physical and mental health

15:57 - 16:17

Amy Reynolds (Australia)

The comparative role of sleep regularity and sleep duration for risk of chronic health outcomes

16:17 - 16:37

Daniel Windred (Australia)

Question & Answer

16:37 - 16:45

Special interest group

15:15 - 16:45

CAP Taskforce Discussion Session: Implementing the Updated ESRS Scoring Rules and Atlas**Description**

15:15 - 15:15

Taskforce Members and Contributors

15:15 - 16:45

Heiður Grétarsdóttir (Iceland)

Liborio Parrino (Italy)

Robert Thomas (United States)
 Ivana Rosenzweig (United Kingdom)
 Oliviero Bruni (Italy)
 Gulcin Benbir Senel (Italy)
 Erna Sif Arnardóttir (Iceland)
 Raffaele Ferri (Italy)

Symposium

15:15 - 16:45

R308

S-29: ISSS symposium: Neurostimulation in the treatment obstructive sleep apnea: Current understanding, challenges and the future

Chair: Song Tar Toh (Singapore)

Chair: Maria Suurna (United States)

Summary

15:15 - 15:15

Introduction

15:15 - 15:17

What is the current landscape in neurostimulation for OSA - who, why, where, when and what is being done?

15:17 - 15:33

Clemens Heiser (Germany)

What is the current evidence to support neurostimulation in OSA?

15:33 - 15:49

Ofer Jacobowitz (United States)

Challenges in implementing neurostimulation in my country? Financial and regulatory considerations

15:49 - 16:05

Shaun Loh (Singapore)

Future directions in neurostimulation

16:05 - 16:21

David Kent (United States)

Debate / Discussion: Will neurostimulation become first line treatment in OSA

16:21 - 16:37

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

R324

S-30: New insights and opportunities into sleep and pregnancy health with wearable big data and digital health interventions

Chair: Massimiliano de Zambotti (United States)

Chair: Laura Palagini (Italy)

Summary

15:15 - 15:15

Introduction

15:15 - 15:17

The interaction of circadian rhythms, lifestyles, and behavior on maternal and offspring health

15:17 - 15:37

Ling-Wei Chen (Taiwan)

Sleep disorders and mental health in pregnancy and postpartum: An overlooked critical factor in women's health

15:37 - 15:57

Laura Palagini (Italy)

Smart wearables to unlock new opportunities in monitoring sleep and pregnancy health

15:57 - 16:17

Massimiliano de Zambotti (United States)

Integrating digital tools to improving perinatal sleep

16:17 - 16:37

Bei Bei (Australia)

Question & Answer

16:37 - 16:45

Oral abstract

15:15 - 16:45

R327

Oral Abstract: Content to be determined*Oral abstract*

15:15 - 16:45

R328

Oral abstract: Content to be determined*Oral abstract*

15:15 - 16:45

R329

Oral abstract: Content to be determined*Oral abstract*

15:15 - 16:45

Oral abstract: Content to be determined*Symposium*

17:00 - 18:30

S-31: Sleep and digital media myth-busting: What should the recommended guidelines be for children, adolescents and young adults?*Chair:* Emma Louise Gale (United Kingdom)*Chair:* Serena Bauducco (Sweden)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

Impact of screens on sleep: An update on mechanisms, moderators and bi-directional links

17:02 - 17:18

Serena Bauducco (Sweden)

Using objective measures to determine if screens really do impact teen sleep

17:18 - 17:34

Rachael Taylor (New Zealand)

Using passive sensing of screen time to improve assessment of timing and content effects on sleep health

17:34 - 17:50

Lauren Hale (United States)

Personalized sleep interventions for young adults: Addressing bedtime postponement through a behavioral framework for media use

17:50 - 18:06

Sooyeon(Aly) Suh (Korea, Republic of)

Feasibility of implementing global screen time changes to improve sleep health and physical and mental wellbeing in children and adolescents

18:06 - 18:22

Emma Louise Gale (United Kingdom)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

S-32: Sleep, sleep disorders and neurodegenerative diseases: Novel insights on mechanisms and interventions*Chair:* Thien Thanh Dang-Vu (Canada)*Chair:* Géraldine Rauchs (France)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

| | |
|--|---------------|
| Sleep microarchitecture, cognition and neurodegeneration | 17:02 - 17:22 |
| Thien Thanh Dang-Vu (Canada) | |
| Effects of a Lifestyle Intervention on Sleep and Circadian Rest-Activity Rhythms in Older Adults at Risk of Cognitive Decline | 17:22 - 17:42 |
| Katie Stone (United States) | |
| Impact of sleep-disordered breathing on brain health and cognition, and its potential modulation by lifestyle | 17:42 - 18:02 |
| Géraldine Rauchs (France) | |
| Relationship between sleep disturbance and dementia biomarkers in at 'at-risk' sample | 18:02 - 18:22 |
| Sharon Naismith (Australia) | |
| Question & Answer | 18:22 - 18:30 |
| <i>Discussion group</i> 17:00 - 18:30 | |
| S-33: Discussion group: Global health updates; Political funding; State of the field | |
| <i>Chair:</i> Peter Eastwood (Australia) | |
| <i>Chair:</i> Phyllis Zee (United States) | |
| Summary | 17:00 - 17:00 |
| Introduction | 17:00 - 17:05 |
| Phyllis Zee (United States) | |
| WSS Global Sleep Health Taskforce | 17:05 - 17:25 |
| Peter Eastwood (Australia) | |
| Geopolitics of sleep research | 17:25 - 17:45 |
| Phyllis Zee (United States) | |
| Geopolitics of sleep health | 17:45 - 18:05 |
| Geopolitics of sleep advocacy | 18:05 - 18:25 |
| Summary and close | 18:25 - 18:30 |
| <i>Discussion group</i> 17:00 - 18:30 | |
| S-34: Discussion group: Artificial intelligence in sleep medicine: The good, the bad, the ugly | |
| <i>Chair:</i> Qurratul (Afifa) Shamim-Uzzaman (United States) | |
| Summary | 17:00 - 17:00 |
| Introduction | 17:00 - 17:02 |
| The Role of AI in the Future of Sleep Medicine | 17:02 - 17:18 |
| Jean-Louis Pépin (France) | |
| Perks & Pitfalls of Using AI in Scientific Writing | 17:18 - 17:34 |
| Ahmed BaHammam (Saudi Arabia) | |
| Resource Needs and Implementation Challenges of AI | 17:34 - 17:50 |
| Arash Maghsoudi (United States) | |
| Big Data and Machine Learning | 17:50 - 18:06 |
| Amir Sharafkhaneh (United States) | |
| Legal & Ethical Considerations of AI | 18:06 - 18:22 |

Haitham Jahrami (Bahrain)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

S-35: Sleep-Immune interactions and the role of sleep in Long COVID

Chair: Janet Mullington (United States)

Chair: Estefania Martinez Albert (Germany)

Summary

17:00 - 17:00

Introduction

17:00 - 17:16

Janet Mullington (United States)

T-cell subsets involved in initiation and maintenance of adaptive immunity are facilitated in their migration to lymph nodes, by sleep

17:16 - 17:32

Estefania Martinez Albert (Germany)

Vaccination, sleep and the risk for development of long COVID

17:32 - 17:48

Aric A Prather (United States)

Sleep disorders as a risk factor for Long COVID with prominent cognitive sequelae

17:48 - 18:04

Claudia Schilling (Germany)

Long COVID and immune factors modulated by sleep and recovery

18:04 - 18:20

Monika Haack (United States)

Question & Answer

18:20 - 18:30

Discussion group

17:00 - 18:30

S-36: Discussion group: Cannabis for the treatment of sleep disorders: What's the POT-ential?

Chair: Ron Grunstein (Australia)

Chair: Paul Muchowski (United States)

Summary

17:00 - 17:00

Introduction

17:00 - 17:02

Medicinal cannabis global landscape

17:02 - 17:22

Camilla Hoyos (Australia)

Evidence for cannabinoid use for the treatment of poor sleep and insomnia

17:22 - 17:42

Jen Walsh (Australia)

Evidence for cannabinoid use for the treatment of OSA, RBD, RLS & nightmare disorder

17:42 - 18:02

Alan Eckeli (Brazil)

Medicinal cannabis prescribing practicalities from a clinician's perspective

18:02 - 18:22

Simon Erridge (United Kingdom)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

R308

S-37: Social and neuropsychological outcomes in central disorders of hypersomnolence*Chair:* Yaroslav Winter (Germany)*Chair:* Anne Marie Morse (United States)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

Work productivity in patients with central disorders of hypersomnolence

17:02 - 17:18

Yuichi Inoue (Japan)

Brain fog in central disorders of hypersomnolence

17:18 - 17:34

Anne Marie Morse (United States)

The role of social outcomes from patient perspective

17:34 - 17:50

Stephanie Manuli (United States)

Influence of psychiatric co-morbidity on social and neurocognitive outcomes in central disorders of hypersomnolence

17:50 - 18:06

Haykuhi Hovakimyan (Armenia)

Cognitive impairment in central disorders of hypersomnolence and ways to treat it

18:06 - 18:22

Yaroslav Winter (Germany)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

R309

S-38: New circuits underlying REM sleep regulation and homeostasis*Chair:* Luis de Lecea (United States)*Chair:* Pierre-Herve Luppi (France)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

Neurobiology of paradoxical sleep

17:02 - 17:18

Pierre-Herve Luppi (France)

REM-off neurons in the sublaterodorsal tegmentum (SLD) predict the onset of REM sleep

17:18 - 17:34

Luis de Lecea (United States)

New markers of REM-on neurons in the sublaterodorsal tegmentum (SLD) sufficient to induce REM sleep

17:34 - 17:50

Yu Hayashi (Japan)

Infraslow oscillation gates REM sleep

17:50 - 18:06

Anita Luthi (Switzerland)

The preoptic area of the hypothalamus regulates REM Sleep homeostasis

18:06 - 18:22

Shingjae Chung (United States)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

R324

S-39: Sleep well, feel well: Enhancing mental health across the lifespan through sleep interventions*Chair:* Cele Richardson (Australia)*Chair:* Christin Lang (Switzerland)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

Expanding Sleep Ninja®: Findings from the adolescent trial and new adaptations for schools and younger audiences

17:02 - 17:22

Kate Maston (Australia)

SLEEPAC: Findings from a transdiagnostic multi-component sleep intervention to improve sleep & psychopathology in adolescent psychiatric outpatients

17:22 - 17:42

Christin Lang (Switzerland)

Preliminary findings from a trial evaluating Digital Cognitive Behavioural Therapy for Insomnia on Depression Symptoms and Processes in Young Adults

17:42 - 18:02

Cele Richardson (Australia)

Preliminary findings from a pragmatic, randomized controlled trial of group cognitive behavioural therapy for insomnia in psychiatric care

18:02 - 18:22

Ane Wilhelmsen-Langeland (Norway)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

R325

S-40: Best of SLEEP MEDICINE - Journal Highlights 2025*Chair:* Winfried Randerath (Germany)*Chair:* Oliviero Bruni (Italy)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:02

Sleep disordered breathing

17:02 - 17:18

Robert Thomas (United States)

Insomnia and parasomnia

17:18 - 17:34

Eunyeon Joo (Korea, Democratic People's Republic of)

Movement disorders

17:34 - 17:50

Garima Shukla (Canada)

Sleep and neurological disorders

17:50 - 18:06

Luigi Ferini-Strambi (Italy)

Pediatric sleep medicine

18:06 - 18:22

Oliviero Bruni (Italy)

Question & Answer

18:22 - 18:30

Symposium

17:00 - 18:30

R326

S-41: To wake up or continue sleep: Arousal dynamics and sleep stability in health and disease*Chair:* Rick Wassing (Australia)*Chair:* Alejandro Osorio-Forero (Colombia)

| | | |
|--|--|---------------|
| | Summary | 17:00 - 17:00 |
| | Introduction | 17:00 - 17:02 |
| | Intrusion of wake-like activity in sleep and relationship with sleep disorders | 17:02 - 17:22 |
| Aurelie Stephan (France) | | |
| | Do micro-arousals contribute to the restorative property of sleep? | 17:22 - 17:42 |
| Natalie Hauglund (Denmark) | | |
| | Bridging developmental and clinical perspectives: The Infralow fluctuation of sigma power in sleep | 17:42 - 18:02 |
| Maria Dimitriades (Greece) | | |
| | To wake or continue sleep: Arousal characteristics in adults with insomnia disorder treated with cannabinoids and placebo | 18:02 - 18:22 |
| Isobel Lavender (Australia) | | |
| | Question & Answer | 18:22 - 18:30 |
| <i>Oral abstract</i> | | |
| 17:00 - 18:30 | | R327 |
| Oral abstract: Content to be determined | | |
| <i>Oral abstract</i> | | |
| 17:00 - 18:30 | | R328 |
| Oral abstract: Content to be determined | | |
| <i>Oral abstract</i> | | |
| 17:00 - 18:30 | | R329 |
| Oral abstract: Content to be determined | | |
| <i>Oral abstract</i> | | |
| 17:00 - 18:30 | | |
| Oral abstract: Content to be determined | | |
| <i>Special interest group</i> | | |
| 17:30 - 18:30 | | |
| Africa Sleep Network and Nigerian Sleep Society Meeting | | |
| <i>Chair: Morenikeji Komolafe (Nigeria)</i> | | |
| | Summary | 17:30 - 17:30 |
| <i>Poster abstract</i> | | |
| 18:00 - 19:00 | | |
| Poster abstract group 2 | | |

Tuesday, 09. September 2025*Keynote*

08:00 - 08:45

K-05: Lauren Hale: Social determinants and sleep health equity*Keynote*

08:00 - 08:45

K06: Bei Bei: Behavioral sleep interventions in women across the lifespan*Exhibition*

08:30 - 15:30

Exhibit Hall*Symposium*

09:00 - 10:30

S-42: Revolutionizing personalized medicine in OSA: Exploring new treatment modalities*Chair:* Ding Zou (Sweden)*Chair:* Harald Hrubos-Strom (Norway)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Overview: From CPAP treatment to the first medicine for OSA patients with obesity

09:02 - 09:18

Ding Zou (Sweden)

Kairos positive airway pressure (KPAP) for OSA treatment

09:18 - 09:34

William Noah (United States)

Intra-Oral sensor systems for monitoring mandibular advancement device therapy

09:34 - 09:50

Peter Cistulli (Australia)

Targeting upper airway muscle dysfunction in OSA: A new frontier in treatment

09:50 - 10:06

Ana Sanchez-Azofra (United States)

Effect of orofacial myofunctional therapy with autofeedback in patients with newly diagnosed OSA: The OMTAOSA RCT

10:06 - 10:22

Diana Dobran Hansen (Norway)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

S-43: Insomnia Sub-typing: Pathophysiology, phenotypes and differential treatment response*Chair:* Rachel Chan (Hong Kong)*Chair:* Jihui Zhang (China)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Insomnia subtypes: Exploring links to demographic factors, mood problems, alcohol use and hypnotic medications

09:02 - 09:22

Bjørn Bjorvatn (Norway)

Insomnia with objective short sleep duration: Pathophysiology,

09:22 - 09:42

| | | |
|---|--|---------------|
| consequences and response to CBT-I | | |
| Julio Fernandez-Mendoza (United States) | | |
| | Digital multi-modal approaches for sub-typing insomnia disorder | 09:42 - 10:02 |
| Jihui Zhang (China) | | |
| | Sub-typing insomnia for predicting response towards cognitive behavioral therapy for insomnia | 10:02 - 10:22 |
| Rachel Chan (Hong Kong) | | |
| | Question & Answer | 10:22 - 10:30 |

Symposium

09:00 - 10:30

S-44: Sleep and cardiometabolic health: Pathophysiology, and novel preventive and therapeutic strategies*Chair:* Dalva Poyares (Brazil)*Chair:* Helga Margrét Skúladóttir (Iceland)

| | | |
|--------------------------------|---|---------------|
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | Breathless nights, lifelong impact: Sleep-disordered breathing and cardiometabolic risk in pregnancy | 09:02 - 09:18 |
| Sushmita Pamidi (Canada) | | |
| | Insufficient sleep and vascular damage: Mechanisms and implications | 09:18 - 09:34 |
| Naima Covassin (United States) | | |
| | Narcolepsy and cardiometabolic health | 09:34 - 09:50 |
| Virend Somers (United States) | | |
| | Light, sleep and cardiometabolic disease - A Scandinavian perspective | 09:50 - 10:06 |
| Fjola Dogg (Norway) | | |
| | Healthy sleep: A game changer for weight loss | 10:06 - 10:22 |
| Esra Tasali (United States) | | |
| | Question & Answer | 10:22 - 10:30 |

Symposium

09:00 - 10:30

S-45: The role of autovideosomnography in research: How AI and big data are transforming pediatric sleep and development research*Chair:* Oliviero Bruni (Italy)

| | | |
|----------------------|---|---------------|
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | A cross-sectional study on the relationship between infant sleep, temperament, and bedtime practices | 09:02 - 09:18 |
| Maria Breda (Italy) | | |
| | Debunking the teething-sleep disruption myth: Insights from a longitudinal auto-videosomnography study | 09:18 - 09:34 |
| Michal Kahn (Israel) | | |
| | The impact of the transition to kindergarten on child sleep using autovideosomnography analysis | 09:34 - 09:50 |

Ekjot Saini (United States)

How does infant sleep relate to parental insomnia, depression, and emotional regulation? A network analysis using Autovideosomnography data.

09:50 - 10:06

Zepeng Gou (Australia)

The kids are asleep! Parental bedtime procrastination and its impact on sleep health

10:06 - 10:22

Yeji Lee (Korea, Republic of)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

S-46: How sleep shapes memory dynamics from the lens of reactivation: New insights and future directions

Chair: Xiaoqing Hu (Hong Kong)

Chair: Eitan Schechtman (United States)

Summary

09:00 - 09:00

Introduction

09:00 - 09:02

Can we use reactivation to improve sleep quality?

09:02 - 09:18

Bjorn Rasch (Switzerland)

Stress interacts with sleep to selectively consolidate negative emotional memory

09:18 - 09:34

Jessica Payne (United States)

Interpreting sleep activity through neural contrastive learning

09:34 - 09:50

Yunzhe Liu (China)

Memory consolidation for interconnected memories during sleep

09:50 - 10:06

Eitan Schechtman (United States)

Spindle refractory period shapes emotional memory reactivation

10:06 - 10:22

Tao Xia (Hong Kong)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

S-47: Beyond the lab: Measuring sleep and circadian rhythms in naturalistic settings

Chair: Leila Tarokh (Switzerland)

Chair: Mary Carskadon (United States)

Summary

09:00 - 09:00

Introduction

09:00 - 09:02

Circadian timing in American adolescents: Home-based assessments of dim light melatonin onset in major depressive disorder

09:02 - 09:22

Mary Carskadon (United States)

Home-based insights into sleep neurophysiology and mental health in youth with and without major depressive disorder

09:22 - 09:42

Leila Tarokh (Switzerland)

Rhythms of rest: Exploring sleep health and environmental influences on circadian rhythms in African youth

09:42 - 10:02

Karine Scheuermaier (South Africa)

Beyond constant laboratory conditions: The role of environmental stimuli in the dynamic modulation of sleep expression

10:02 - 10:22

Markus Schmidt (Switzerland)

Question & Answer

10:22 - 10:30

Discussion group

09:00 - 10:30

R308

S-48: Discussion group: Optimizing opioid therapy for restless legs syndrome /Willis-Ekbom disease: Insights from basic science to clinical practice*Chair:* Yuichi Inoue (Japan)*Chair:* John Winkelman (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Opioid Pathology in RLS/WED and the Mechanisms of Action of Opioid Medications for the Disorder

09:02 - 09:22

Arthur Walters (United States)

Current Usage and Future Challenges of Opioids for RLS/WED

09:22 - 09:42

John Winkelman (United States)

Potential and Issues of Tramadol Treatment in Asia

09:42 - 10:02

Yuichi Inoue (Japan)

Restless legs syndrome Induced by Opioid Withdrawal

10:02 - 10:22

Ravi Gupta (India)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R309

S-49: New insights into the waking, sleeping and dreaming brain*Chair:* Elda Arrigoni (United States)*Chair:* Patrick Fuller (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Role of dopamine signaling in the amygdala in the regulation of REM sleep

09:02 - 09:22

Emi Hasegawa (Japan)

The teleological mystery of sleep — Glioneuronal mechanisms integrating sleep homeostasis and motivation

09:22 - 09:42

Michael Lazarus (Japan)

Long-range and local networks that regulate sleep-promoting ventrolateral preoptic neurons

09:42 - 10:02

Elda Arrigoni (United States)

The intersection of sleep and stress circuitry: How the brain drives hyperarousal in insomnia

10:02 - 10:22

Patrick Fuller (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R324

S-50: Bridging sleep research and practice: Leveraging implementation science to improve sleep equity around the globe*Chair:* Suzanne Bertisch (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Preventing the voltage drop: Why implementation science matters

09:02 - 09:18

Suzanne Bertisch (United States)

Implementation strategies (particularly technology and optimization) to improve adoption, implementation, and sustainment of best practices in health.

09:18 - 09:34

Roman Xu (China)

Addressing sleep apnea post-stroke: A hybrid type I cluster-randomized trial--results and lessons learned from the US veterans health administration

09:34 - 09:50

Jason Sico (United States)

Sleep health challenges and opportunities: Focus on modifiable factors in African adults

09:50 - 10:06

Jesujoba Olanrewaju (Nigeria)

Implementing the implementable - progress in dispensing good sleep health in Australian community pharmacies

10:06 - 10:22

Bandana Saini (Australia)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R325

S-51: The latest advances in understanding maternal sleep as a modifiable contributor to safer outcomes for mother and baby*Chair:* Ghada Bourjeily (United States)*Chair:* Danielle Wilson (Australia)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Sleep as an opportunity to improve maternal and fetal health outcomes

09:02 - 09:18

Ghada Bourjeily (United States)

Can sleeping position during pregnancy impact fetal growth and wellbeing?

09:18 - 09:34

Danielle Wilson (Australia)

Non-pharmacological interventions for sleep in pregnancy

09:34 - 09:50

Meagan Crowther (Australia)

Treatment of sleep disordered breathing in pregnancy

09:50 - 10:06

Visasiri Tantrakul (Thailand)

SDB implications to labor and delivery and presentation of findings from a consensus guideline

10:06 - 10:22

Jennifer Dominguez (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R326

S-52: Sleep Challenge 2025 Exhibition: Predicting all-cause mortality using physiological signals from the PSG*Chair:* Diane Lim (United States)*Chair:* Toshihiro Imamura (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Sleep challenges: A catalyst for big data innovation and transformation

09:02 - 09:18

Diane Lim (United States)

Chaos theory-driven approach to analyzing biosignals

09:18 - 09:34

Yu-Hsin Chen (Taiwan)

Deep learning models to detect sleep patterns.

09:34 - 09:50

Poul Jørgen Jennum (Denmark)

Physiological networks applied to sleep apnea patients

09:50 - 10:06

Ronny Bartsch (Israel)

A clinically guided weighted hypoxemia approach for mortality prediction

10:06 - 10:22

Cheng-Bang Chen (United States)

Question & Answer

10:22 - 10:30

Oral abstract

09:00 - 10:30

R327

Oral abstract: Content to be determined*Oral abstract*

09:00 - 10:30

R328

Oral abstract: Content to be determined*Oral abstract*

09:00 - 10:30

R329

Oral abstract: Content to be determined*Oral abstract*

09:00 - 10:30

Oral abstract: Content to be determined*Industry symposium*

10:00 - 10:45

R302

Narcolepsy Workshop with Takeda*Symposium*

10:45 - 12:15

S-53: Illuminating the minds: Impact of light exposure on circadian rhythms and health*Chair:* Joey Chan (Australia)*Chair:* Jacob Crouse (Australia)**Summary**

10:45 - 10:45

Introduction

10:45 - 10:47

| | | |
|--|--|---------------|
| Light exposure and neuropathology in schizophrenia | | 10:47 - 11:07 |
| Yuichi Esaki (Japan) | | |
| Mental health and sleep correlates of self-reported outdoor daylight exposure in 13,000+ adults with depression | | 11:07 - 11:27 |
| Jacob Crouse (Australia) | | |
| Alterations of Melanopsin-mediated Pupillary Response in Patients with REM Sleep Behavior Disorder and Parkinson's Disease | | 11:27 - 11:47 |
| Joey Chan (Australia) | | |
| Light, circadian rhythm, and neuropsychiatric diseases | | 11:47 - 12:07 |
| Jihui Zhang (China) | | |
| Question & Answer | | 12:07 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-54: Advancing the definition and management of childhood obstructive sleep apnea (OSA) | | |
| <i>Chair:</i> Indra Narang (Canada) | | |
| <i>Chair:</i> Albert Li (China) | | |
| Summary | | 10:45 - 10:45 |
| Introduction | | 10:45 - 10:47 |
| Improving sleep in children with Down syndrome | | 10:47 - 11:07 |
| Rosemary Horne (Australia) | | |
| EEG characteristics and cognitive dysfunction in children with OSA | | 11:07 - 11:27 |
| Zhifei Xu (China) | | |
| Can adenotonsillectomy in childhood enhance long-term cardiovascular health for individuals with OSA? | | 11:27 - 11:47 |
| Jun Chun Ting Au (Canada) | | |
| Optimizing treatment for pediatric OSA: Insights from HFNC and CPAP therapies | | 11:47 - 12:07 |
| Kate Chan (Hong Kong) | | |
| Question & Answer | | 12:07 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-55: Advancing ambulatory sleep monitoring and diagnostics through innovative sensor technologies | | |
| <i>Chair:</i> Ralf Seepold (Germany) | | |
| <i>Chair:</i> Jihye Moon (United States) | | |
| Summary | | 10:45 - 10:45 |
| Introduction | | 10:45 - 10:47 |
| Development and verification of a neck-wearable Piezoelectric sensor for detecting snoring and sleep apnea from snoring and carotid pulse signals | | 10:47 - 11:03 |
| Li-Ang Lee (Taiwan) | | |
| Innovative sleepiness monitoring system using speech and wearable electrodermal activity signals | | 11:03 - 11:19 |
| Jihye Moon (United States) | | |
| Analysis of sleep and speech patterns for the diagnosis of impulse control disorders in adolescents | | 11:19 - 11:35 |

Natividad Martínez Madrid (Germany)

All-night EEG-fNIRS as a novel tool for investigating sleep physiology

11:35 - 11:51

Christophe Grova (Canada)

Quantification of REM sleep without atonia in natural sleep environment

11:51 - 12:07

Shani Oz (Israel)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-56: Obesity and the effects of GLP-1 agonists on OSA

Chair: Richard Schwab (United States)

Chair: Ron Grunstein (Australia)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Relationship of upper airway anatomy and obesity in patients with OSA: The Icelandic Sleep Cohort

10:47 - 11:03

Liyue (Adell) Xu (China)

Effect of weight loss on pharyngeal soft tissues including reductions in tongue fat from MRI studies

11:03 - 11:19

Richard Schwab (United States)

Effect of Liraglutide on OSA in patients with type 2 DM - the ROMANCE trial

11:19 - 11:35

Dan Cuthbertson (United Kingdom)

Highlights from the Surmount OSA trial and what are the next treatments on the horizon

11:35 - 11:51

Ron Grunstein (Australia)

How do GLP-1 agonists fit into OSA management pathways and will they a game change?

11:51 - 12:07

Vaishnavi Kundel (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

S-57: Narcolepsy meets immunology: Recent global discoveries in its pathophysiology

Chair: Emmanuel Mignot (United States)

Chair: Rolf Fronczek (Netherlands)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Mechanistic insights into the autoimmune hypothesis of narcolepsy: Novel cellular and animal findings

10:47 - 11:07

Birgitte Kornum (Denmark)

A European perspective on the role of immunological triggers on the development of central disorders of hypersomnolence

11:07 - 11:27

Jari Gool (Netherlands)

The role of different influenza strains on the onset of narcolepsy in the United States

11:27 - 11:47

Han Yan (United States)

The role of upper airway infection as trigger for children narcolepsy type 1 in China

11:47 - 12:07

Fang Han (China)

Question & Answer

12:07 - 12:15

Discussion group

10:45 - 12:15

S-58: Discussion group: Religious and spiritual determinants of sleep health

Chair: Chandra Jackson (United States)

Summary

10:45 - 10:45

Discussants

10:45 - 12:15

Chandra Jackson (United States)

Rupsha Singh (Nepal)

Hamza Dhafar (Saudi Arabia)

Symposium

10:45 - 12:15

R308

S-59: Understanding the therapeutic opportunities of iron treatment in RLS

Chair: Diego Garcia-Borreguero (Spain)

Chair: Claudia Trenkwalder (Germany)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

The therapeutic efficacy of iron supplementation in adults

10:47 - 11:07

Claudia Trenkwalder (Germany)

Measuring serum vs brain iron status. The use of SN Ultrasound in RLS

11:07 - 11:27

Diego Garcia-Borreguero (Spain)

Iron deficiency and augmentation

11:27 - 11:47

Chung-Yao Hsu (Taiwan)

The therapeutic efficacy of iron supplementation in the pediatric population

11:47 - 12:07

Lourdes DelRosso (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

R309

S-60: Collaborative strategies for optimizing pediatric sleep health

Chair: Leopoldo Pedro Correa (Mexico)

Chair: Christine Hong (United States)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Precision Growth modification targeting craniofacial skeletal phenotype of pediatric OSA

10:47 - 11:07

Su-Jung Kim (Korea, Republic of)

Biology of maxillary expansion and its effect on upper airway

11:07 - 11:27

Christine Hong (United States)

| | | |
|--|---|---------------|
| | Orofacial myofunctional therapy as adjunct in treating obstructive sleep apnea | 11:27 - 11:47 |
| Rochelle McPherson (Australia) | | |
| | Pathophysiological and anatomical factors in pediatric OSA: Path towards precision medicine | 11:47 - 12:07 |
| Umakanth Katwa (United States) | | |
| | Question & Answer | 12:07 - 12:15 |
| <i>Symposium</i> | | |
| 10:45 - 12:15 | | R324 |
| | S-61: Sleep and the microbiome | |
| Chair: Charles Morin (Canada) | | |
| Chair: YK Wing (Hong Kong) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:47 |
| | Brain-gut-microbiota interactions in sleep disorders | 10:47 - 11:07 |
| Lin Lu (China) | | |
| | Obstructive sleep apnea, hypoxia, and the microbiota | 11:07 - 11:27 |
| Jean-Louis Pépin (France) | | |
| | Sleep bruxism and putative role(s) of the oral microbiota: Caution in extrapolation | 11:27 - 11:47 |
| Gilles J Lavigne (Canada) | | |
| | Is there a role for probiotics in the treatment of insomnia disorder and psychological symptoms? | 11:47 - 12:07 |
| Charles Morin (Canada) | | |
| | Question and answer | 12:07 - 12:15 |
| <i>Symposium</i> | | |
| 10:45 - 12:15 | | R325 |
| | S-62: Rethinking mask selection for CPAP and non-invasive ventilation: Facts and perspectives | |
| Chair: Pedro Genta (Brazil) | | |
| Chair: Patrick Strollo (United States) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:47 |
| | Mask side-effects: Distinguishing between mouth and mask leak | 10:47 - 11:03 |
| Pedro Genta (Brazil) | | |
| | Performance of nasal and oronasal masks for CPAP treatment: Current evidence | 11:03 - 11:19 |
| Patrick Strollo (United States) | | |
| | The importance of mask selection for home non-invasive ventilation | 11:19 - 11:35 |
| Amanda Piper (Australia) | | |
| | Digital facial imaging for artificial intelligence-guided mask fitting applications | 11:35 - 11:51 |

Timothy Morgenthaler (United States)

Common biases leading to incorrect mask selection

11:51 - 12:07

Ana Krieger (United States)

Question & Answer

12:07 - 12:15

Symposium

10:45 - 12:15

R326

S-63: Global efforts to combat drowsy driving: Opportunities and challenges to save more lives

Chair: Andrew Vakulin (Australia)

Chair: Arezu Najafi (Iran)

Summary

10:45 - 10:45

Introduction

10:45 - 10:47

Drowsy driving: Summary of the scientific evidence on the causes, prevalence, consequences and costs

10:47 - 11:03

Clare Anderson (United Kingdom)

Overview of international regulations on sleep disorders and drowsy driving across the world

11:03 - 11:19

Walter McNicholas (Ireland)

Overview of international public health and road design approaches to reducing drowsy driving

11:19 - 11:35

Arezu Najafi (Iran)

Summary of research evidence on detecting driver state and trait drowsiness from laboratory and on-road driving studies and commercial vehicle systems

11:35 - 11:51

Mark Howard (Australia)

Gaps in regulations and public health initiatives to reduce drowsy driving crashes in private drivers and related solutions

11:51 - 12:07

Andrew Vakulin (Australia)

Question & Answer

12:07 - 12:15

Oral abstract

10:45 - 12:15

R327

Oral abstract: Content to be determined

Oral abstract

10:45 - 12:15

R328

Oral abstract: Content to be determined

Oral abstract

10:45 - 12:15

R329

Oral abstract: Content to be determined

Oral abstract

10:45 - 12:15

Oral abstract: Content to be determined

Industry symposium

11:15 - 12:00

R302

Workshop with BMC Medical

Special interest group

12:20 - 13:15

R302

New directions in multi-disciplinary education*Chair:* Jatuporn Wanchaitanawong (Thailand)*Chair:* Huiji Yi (China)**Summary**

12:20 - 12:20

Industry symposium

12:45 - 13:45

Lunch Symposium with Medscape Education Global*Industry symposium*

12:45 - 13:45

Lunch Symposium with Philips*Industry symposium*

12:45 - 13:45

Lunch Symposium with Idorsia*Industry symposium*

12:45 - 13:45

R309

Lunch Symposium with Nox Medical*Special interest group*

14:00 - 16:00

R302

WSA Research Showcase*Keynote*

14:15 - 15:00

K-07: Mary Ip: Cardiometabolic consequences of obstructive sleep apnea: Are we making progress?*Keynote*

14:15 - 15:00

K-08: Célyne Bastien: Sleep misperception: A waking perspective*Symposium*

15:15 - 16:45

S-64: Managing patients with obstructive sleep apnea and obesity with GLP-1 receptor agonists*Chair:* Clete Kushida (United States)*Chair:* Patrick Strollo (United States)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Discussion on managing patients with obstructive sleep apnea and obesity with GLP-1 receptor agonists

15:17 - 15:37

Christine Won (United States)

Discussion on managing patients with obstructive sleep apnea and obesity with GLP-1 receptor agonists

15:37 - 15:57

Thomas Altree (Australia)

Discussion on managing patients with obstructive sleep apnea and obesity with GLP-1 receptor agonists

15:57 - 16:17

Ingo Fietze (Germany)

| | | |
|---|--|---------------|
| | Discussion on managing patients with obstructive sleep apnea and obesity with GLP-1 receptor agonists | 16:17 - 16:37 |
| Najib Ayas (Canada) | | |
| | Question & Answer | 16:37 - 16:45 |
| <i>Symposium</i> 15:15 - 16:45 | | |
| | S-65: Night shift work and health risks: Internal desynchrony and underlying mechanisms | |
| Chair: Hans Van Dongen (United States) | | |
| Chair: Gabriela Hurtado-Alvarado (Mexico) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Multi-omics of simulated night shift work: Evidence of widespread metabolic desynchrony | 15:17 - 15:37 |
| Hans Van Dongen (United States) | | |
| | Real-world rotating shift schedules and internal circadian disruption of metabolism | 15:37 - 15:57 |
| Diane Boivin (Canada) | | |
| | Eating at night and its circadian impacts on metabolism | 15:57 - 16:17 |
| Siobhan Banks (Australia) | | |
| | Blood-hypothalamic barrier in rodents: A window to understand the effects of night shift work on metabolism | 16:17 - 16:37 |
| Gabriela Hurtado-Alvarado (Mexico) | | |
| | Question & Answer | 16:37 - 16:45 |
| <i>Symposium</i> 15:15 - 16:45 | | |
| | S-66: Phenotypic spectrum of restless legs syndrome: Clinical insights and research perspectives | |
| Chair: Diego Garcia-Borreguero (Spain) | | |
| Chair: Lourdes DelRosso (United States) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Introduction: The phenotypic clinical diversity of RLS | 15:17 - 15:37 |
| Diego Garcia-Borreguero (Spain) | | |
| | Pediatric RLS phenotypes: Early onset and unique challenges | 15:37 - 15:57 |
| Lourdes DelRosso (United States) | | |
| | Adult RLS phenotypes: Clinical variability in adulthood | 15:57 - 16:17 |
| Claudia Trenkwalder (Germany) | | |
| | Genetic insights into RLS: Shared variants and comorbidities | 16:17 - 16:37 |
| Arthur Walters (United States) | | |
| | Question & Answer | 16:37 - 16:45 |

Symposium

15:15 - 16:45

S-67: Toward understanding dream interpretation: Mechanisms and functions of REM sleep*Chair:* Yu Hayashi (Japan)*Chair:* Shoi Shi (Japan)

| | | |
|---------------------------------|--|---------------|
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Mapping the neurophysiological correlates of dreams in sleep | 15:17 - 15:37 |
| Francesca Siclari (Netherlands) | | |
| | Neural network models of hippocampal computations during sleep | 15:37 - 15:57 |
| Louis Kang (Japan) | | |
| | Sodium leak channel uncovers the molecular mechanism regulating REM sleep and the function of REM sleep | 15:57 - 16:17 |
| Hiromasa Funato (Japan) | | |
| | Brain-body interactions underlying REM sleep regulation and threat responses | 16:17 - 16:37 |
| Liping Wang (China) | | |
| | Question & Answer | 16:37 - 16:45 |

Symposium

15:15 - 16:45

S-68: Adolescent sleep and mental health: From challenges to solutions*Chair:* Shirley Xin Li (Hong Kong)*Chair:* Michael Gradisar (Sweden)

| | | |
|------------------------------|--|---------------|
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Caught between books and beds: The impact of sleep deprivation and sleep disturbance on Taiwanese adolescents' mental health | 15:17 - 15:33 |
| Ya-wen Jan (Taiwan) | | |
| | Adolescent sleep and implications for school performance and mental health - Results from a Norwegian cohort of older adolescents | 15:33 - 15:49 |
| Ingvild West Saxvig (Norway) | | |
| | New subtypes of insomnia and their association with mental health in children and adolescents | 15:49 - 16:05 |
| Guanghai Wang (China) | | |
| | Late owl phenomenon and sleep deprivation in adolescents: Is advancing bedtime effective? | 16:05 - 16:21 |
| Sijing Chen (Hong Kong) | | |
| | Comorbid insomnia and anxiety in youth - Shall we tackle sleep or anxiety problem in treatment? | 16:21 - 16:37 |
| Xiao Li (Hong Kong) | | |
| | Question & Answer | 16:37 - 16:45 |

Discussion group

15:15 - 16:45

S-69: Discussion group: Global perspectives on sleep health advocacy: Insights and experiences across five continents*Chair:* Rebecca Robillard (Canada)*Chair:* Arezu Najafi (Iran)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Sleep health advocacy perspectives from Iran

15:17 - 15:33

Arezu Najafi (Iran)

Sleep health advocacy perspectives from the UK

15:33 - 15:49

Jason Ellis (United Kingdom)

Sleep health advocacy perspectives from Nigeria

15:49 - 16:05

Morenikeji Komolafe (Nigeria)

Sleep health advocacy perspectives from the USA

16:05 - 16:21

Julie Flygare (United States)

Sleep health advocacy perspectives from Australia

16:21 - 16:37

Andrew Vakulin (Australia)

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

R308

S-70: Ecology of sleep strategies: Placing sleep function in a broader context*Chair:* Markus Schmidt (Switzerland)*Chair:* Gianina Ungurean (Germany)**Summary**

15:15 - 15:15

Introduction

15:15 - 15:17

Introduction - A mammalian and Bird's Eye perspective of sleep diversity

15:17 - 15:33

Gianina Ungurean (Germany)

Ecological flexibility in seep duration

15:33 - 15:49

Niels Rattenborg (Germany)

Long-term monitoring of sleep-wake behaviors and the role of ambient ecological conditions

15:49 - 16:05

Isabella Capellini (United Kingdom)

Comparative studies of seasonal impacts on sleep expression in birds and mammals

16:05 - 16:21

Peter Meerlo (Netherlands)

Strategies of resource optimization through sleep-wake alternation

16:21 - 16:37

Markus Schmidt (Switzerland)

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

R309

S-71: Cracking the code: Deep signal analysis in sleep-disordered breathing*Chair:* Ding Zou (Sweden)*Chair:* Liang-wen Hang (Taiwan)

| | | |
|--|---|---------------|
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Morphological flow analysis for high loop gain in adults and kids | 15:17 - 15:33 |
| Robert Thomas (United States) | | |
| | Centralness of respiratory events: A novel tool to guide non-PAP interventions in sleep disordered breathing | 15:33 - 15:49 |
| Scott Sands (United States) | | |
| | Beyond Desaturations: Leveraging Pulse Oximetry for Comprehensive Diagnosis | 15:49 - 16:05 |
| Henri Korkalainen (Finland) | | |
| | Endotypic traits characterizing obesity and sleep-related hypoventilation in patients with obstructive sleep apnea | 16:05 - 16:21 |
| Wan-Ju Cheng (Taiwan) | | |
| | Cluster analysis in OSA: Opening the black box of AI with explainable modelling | 16:21 - 16:37 |
| Daniil Lisik (Sweden) | | |
| | Question and answer | 16:37 - 16:45 |
| <i>Symposium</i> | | |
| 15:15 - 16:45 | | R324 |
| | S-72: Advances in proteomics, glycomics, and transcriptomics of sleep disorders | |
| Chair: Raffaele Ferri (Italy) | | |
| Chair: Maria Paola Mogavero (Italy) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Proteomic and metabolomic perspectives in the study of PLMS/RLS | 15:17 - 15:37 |
| Katie L.J. Cederberg (United States) | | |
| | Integrative proteomics and glycomics in narcolepsy: Biomarkers and mechanistic insights | 15:37 - 15:57 |
| Yehia Mechref (United States) | | |
| | New insights into Kleine-Levin syndrome: Orexin and omics biomarkers | 15:57 - 16:17 |
| Fang Han (China) | | |
| | Decoding the proteomic and transcriptomic landscape of restless legs syndrome | 16:17 - 16:37 |
| Maria Paola Mogavero (Italy) | | |
| | Question & Answer | 16:37 - 16:45 |
| <i>Discussion group</i> | | |
| 15:15 - 16:45 | | R325 |
| | S-73: Discussion group: "Simple" snoring: Not simple, not hopeless | |
| Chair: Ofer Jacobowitz (United States) | | |
| Chair: Edilson Zancanella (Brazil) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |
| | Devices and Aids for Snoring : Does Anything Work? | 15:17 - 15:33 |

Ofer Jacobowitz (United States)

The approach to the snoring patient

15:33 - 15:49

Edilson Zancanella (Brazil)

First in Line, the Nose

15:49 - 16:05

Jessica Schwarts (United Arab Emirates)

Palatal Vibrations, How to Treat

16:05 - 16:21

Phil Hsin-Ching Lin (Taiwan)

Case Presentations & Panel Discussion

16:21 - 16:37

Stuart MacKay (Australia)

Question & Answer

16:37 - 16:45

Symposium

15:15 - 16:45

R326

S-74: Harmonizing pediatric sleep: Navigating the complexities and diversities in managing sleep-related breathing disorders across borders

Chair: Karen Spruyt (France)

Chair: Umakanth Katwa (United States)

Summary

15:15 - 15:15

Introduction

15:15 - 15:17

The South American perspective

15:17 - 15:33

Gustavo Moreira (Brazil)

The Asian perspective

15:33 - 15:49

Kate Chan (Hong Kong)

The USA perspective

15:49 - 16:05

Umakanth Katwa (United States)

The African perspective

16:05 - 16:21

Eniola EZIYI (Nigeria)

The European perspective

16:21 - 16:37

Palma Benedek (Hungary)

Question & Answer

16:37 - 16:45

Oral abstract

15:15 - 16:45

R327

Oral abstract: Content to be determined

Oral abstract

15:15 - 16:45

R328

Oral abstract: Content to be determined

Oral abstract

15:15 - 16:45

R329

Oral abstract: Content to be determined

Oral abstract

15:15 - 16:45

Oral abstract: Content to be determined

Industry symposium

16:00 - 16:45

R302

Workshop with SOMNOmedics*Special interest group*

16:45 - 18:15

Singapore Sleep Society Annual General Meeting 2025, in conjunction with the Academy of Medicine**Sleep Chapter Extraordinary General Meeting****Launch of the Singapore Consensus Statements on the Management of Obstructive Sleep Apnoea****Summary**

16:45 - 16:45

Special interest group

17:00 - 18:30

DREAMER Study Group Session: Advancements and Next Steps**Summary**

17:00 - 17:00

Co-Investigators

17:00 - 18:30

Raffaele Ferri (Italy)

Monica Puligheddu (Italy)

Giuseppe Plazzi (Italy)

Luigi Ferini-Strambi (Italy)

Fabio Pizza (Italy)

Maria Paola Mogavero (Italy)

Giuseppe Lanza (Italy)

Michela Figorilli (Italy)

Poster abstract

18:00 - 19:00

Poster abstract group 3*Social event*

19:00 - 23:00

Gala Dinner at Gardens by the Bay

Wednesday, 10. September 2025*Keynote*

08:00 - 08:45

K-09: Takafumi Kato: Advances in dental sleep medicine: Understanding and managing sleep bruxism*Keynote*

08:00 - 08:45

K-10: Ronald Postuma: REM sleep behavior disorder: Gateway to early diagnosis and therapy in synucleinopathies*Exhibition*

08:30 - 15:30

Exhibit Hall*Symposium*

09:00 - 10:30

S-75: Can OSA in adults be prevented by interventions in children?*Chair:* Rafael Pelayo (United States)*Chair:* Audrey Yoon (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Why are we not working to prevent OSA?

09:02 - 09:22

Dimple Goel (Australia)

The role of dentistry and cranial facial modification in OSA prevention

09:22 - 09:42

Audrey Yoon (United States)

Modifiable risk factors associated with obstructive sleep apnea (OSA) focused on prevention of the disease

09:42 - 10:02

David Gozal (United States)

Can OSA in adults be prevented by early childhood interventions: Where do we go from here?

10:02 - 10:22

Rafael Pelayo (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

S-76: Practical telemonitoring implementation to improve outcomes in home mechanical ventilation globally, across diverse clinical settings and regions*Chair:* Alejandra Lastra (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

The role of professional societies in supporting home ventilation implementation and scalability for complex sleep-disordered breathing management

09:02 - 09:22

Claudio Cárdenas (Venezuela)

Practical implementation of home ventilation and remote data monitoring: Opportunities and limitations from OHS to EPOC

09:22 - 09:42

Alejandra Lastra (United States)

| | | |
|--|--|---------------|
| | When CO2 is not available: Telemonitoring for treatment adjustment and guidance of home mechanical ventilation worldwide using oximetry | 09:42 - 10:02 |
| Naricha Chirakalwasan (Thailand) | | |
| | Pediatric applications of CO2 monitoring and large scale implementation | 10:02 - 10:22 |
| Jasneek Chawla (Australia) | | |
| | Question & Answer | 10:22 - 10:30 |
| <i>Symposium</i> 09:00 - 10:30 | | |
| S-77: Restless legs syndrome and cardio-cerebro-vascular disease: Clinical associations and implications | | |
| <i>Chair:</i> Garima Shukla (Canada) | | |
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | Restless legs syndrome and stroke - association and role in risk stratification | 09:02 - 09:22 |
| Garima Shukla (Canada) | | |
| | Role of periodic limb movements as a risk factor for cerebrovascular disease | 09:22 - 09:42 |
| Raffaele Ferri (Italy) | | |
| | Restless legs syndrome and coronary artery disease | 09:42 - 10:02 |
| Anupama Gupta (India) | | |
| | Stroke related Restless legs syndrome - phenotypes and course | 10:02 - 10:22 |
| Elisabeth Ruppert (France) | | |
| | Question & Answer | 10:22 - 10:30 |
| <i>Symposium</i> 09:00 - 10:30 | | |
| S-78: The role of glia in sleep regulation and sleep homeostasis: Implications for cognitive function and mental health | | |
| <i>Chair:</i> Peter Meerlo (Netherlands) | | |
| <i>Chair:</i> Carolina Gutierrez Herrera (Switzerland) | | |
| | Summary | 09:00 - 09:00 |
| | Introduction | 09:00 - 09:02 |
| | The role of microglia in sleep regulation | 09:02 - 09:22 |
| Yang Dan (United States) | | |
| | Adenosine dynamics: Mechanisms and consequences for sleep-wake cycles | 09:22 - 09:42 |
| Min Xu (China) | | |
| | Of sleep and stars: Defining a role for astrocytes in sleep expression and homeostasis | 09:42 - 10:02 |
| Ashley Ingiosi (United States) | | |
| | Beyond neurons: Astrocytes shaping sleep in the cortical landscape | 10:02 - 10:22 |
| Carolina Gutierrez Herrera (Switzerland) | | |
| | Question & Answer | 10:22 - 10:30 |

Symposium

09:00 - 10:30

S-79: Sleep as a window to health: Artificial intelligence-enabled digital sleep biomarkers for disease prediction*Chair:* Yue Leng (China)*Chair:* Haoqi Sun (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Health-oriented sleep staging (HOSS) with AI: Making sleep stages reflect health outcomes

09:02 - 09:18

Haoqi Sun (United States)

Continuous sleep depth index annotation with deep learning yields novel digital biomarkers for sleep health

09:18 - 09:34

Shenda Hong (China)

Deep learning and generative AI for automatic sleep monitoring and disease prediction

09:34 - 09:50

Wei Chen (Australia)

Accurately predicting mood episodes in mood disorder patients: Insights from wearable sleep and circadian rhythm data using machine learning

09:50 - 10:06

Jae Kyoung Kim (Korea, Republic of)

Bridging sleep in clinic and at home: An AI-powered sleep foundation model for precision brain health

10:06 - 10:22

Yue Leng (China)

Question & Answer

10:22 - 10:30

Industry symposium

09:00 - 09:45

R302

Workshop with Philips*Symposium*

09:00 - 10:30

S-80: Cognitive symptoms in narcolepsy and idiopathic hypersomnia: Neurobiology, functional impact, and clinical research*Chair:* Kiran Maski (United States)*Chair:* Lucie Barateau (France)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Neurobiological mechanisms of orexin on cognitive targets

09:02 - 09:22

Rolf Fronczek (Netherlands)

Navigating brain fog: Patient experience of cognitive challenges in the real world

09:22 - 09:42

Julie Flygare (United States)

Nocturnal sleep disruption, daytime sleepiness and cognitive impact

09:42 - 10:02

Kiran Maski (United States)

Cognitive treatment effects in CNS disorders hypersomnolence

10:02 - 10:22

Lucie Barateau (France)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R308

S-81: Guiding light for metabolic health: Lessons from bench to field studies for therapeutic insights*Chair:* Minjee Kim (United States)*Chair:* Kathryn Reid (United States)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:02

Light exposure patterns and cardiometabolic health: Insights from epidemiological studies

09:02 - 09:22

Daniel Windred (Australia)

Light exposure and metabolic regulation in individuals with insulin resistance

09:22 - 09:42

Jan-Frieder Harmsen (Netherlands)

Molecular mechanisms of circadian entrainment

09:42 - 10:02

Aarti Jagannath (United Kingdom)

Day and night: Impact of light exposure on health

10:02 - 10:22

Kathryn Reid (United States)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R309

S-82: Tales from the edge: What can we learn about sleep from non-WEIRD (Western, Educated, Industrialized, Rich, and Democratic) sleep research?*Chair:* Adrian Willoughby (Singapore)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:06

Understanding sleep in Hong Kong: Exploring the key facilitators, barriers, and cultural influences

09:06 - 09:25

Rachel Chan (Hong Kong)

Conceptualisation and understanding of sleep health in Australian First Nations communities

09:25 - 09:44

Fatima Yaqoot (Australia)

Elevated oxidative stress biomarkers in adults with segmented sleep patterns in Oman

09:44 - 10:03

Ibtisam Al Lawati (Oman)

Are humans facing a sleep epidemic or enlightenment?

10:03 - 10:22

David Samson (Canada)

Question & Answer

10:22 - 10:30

Symposium

09:00 - 10:30

R324

S-83: RBD 1985-2025: Novel perspectives*Chair:* Carlos Schenck (United States)*Chair:* Birgit Högl (Austria)**Summary**

09:00 - 09:00

Introduction

09:00 - 09:05

Expanding knowledge on the global epidemiology of RBD; and

09:05 - 09:25

| | | |
|---|--|---------------|
| update on the Tasmania ISLAND Study on isolated RBD | | |
| Jane Alty (Australia) | | |
| Neurodegeneration risk in isolated RBD and insights from brain imaging studies | | 09:25 - 09:45 |
| Dario Arnaldi (Italy) | | |
| Depression, RBD, neurodegeneration, and familial risk | | 09:45 - 10:05 |
| YK Wing (Hong Kong) | | |
| Machine learning-based prediction of neurodegeneration and prognostic counseling in iRBD | | 10:05 - 10:25 |
| Ki-Young Jung (Korea, Republic of) | | |
| Question & Answer | | 10:25 - 10:30 |
| <i>Symposium</i> | | |
| 09:00 - 10:30 | | R325 |
| S-84: Napping and its associations with health and cognition across the life span | | |
| <i>Chair: Gianluca Ficca (Italy)</i> | | |
| <i>Chair: Vincenzo Muto (Belgium)</i> | | |
| Summary | | 09:00 - 09:00 |
| Introduction | | 09:00 - 09:05 |
| The relation between memory consolidation and nap transitions in early childhood | | 09:05 - 09:25 |
| Rebecca Spencer (United States) | | |
| Napping in teens and young adults: Benefits on mood and cognition | | 09:25 - 09:45 |
| Ruth Leong (Singapore) | | |
| To nap or not to nap? Impact of napping on cognition in the ageing brain | | 09:45 - 10:05 |
| Vincenzo Muto (Belgium) | | |
| Associations of intentional and unintentional naps with health and psychological wellbeing at different ages | | 10:05 - 10:25 |
| Francesca Conte (Italy) | | |
| Question & Answer | | 10:25 - 10:30 |
| <i>Oral abstract</i> | | |
| 09:00 - 10:30 | | R327 |
| Oral abstract: Content to be determined | | |
| <i>Oral abstract</i> | | |
| 09:00 - 10:30 | | R328 |
| Oral abstract: Content to be determined | | |
| <i>Oral abstract</i> | | |
| 09:00 - 10:30 | | R329 |
| Oral abstract: Content to be determined | | |
| <i>Symposium</i> | | |
| 10:45 - 12:15 | | |
| S-85: Consumer sleep technology: Usefulness and reliability for patients and practitioners | | |
| <i>Chair: Walter McNicholas (Ireland)</i> | | |

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| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:50 |
| | Overviewing the current use of consumer sleep technologies by both the patients and healthcare professionals | 10:50 - 11:06 |
| Walter McNicholas (Ireland) | | |
| | How patients perceive and use consumer sleep technology | 11:06 - 11:22 |
| Seema Khosla (United States) | | |
| | Innovations on consumer sleep technology for sleep tracking and scoring | 11:22 - 11:38 |
| Erna Sif Arnardóttir (Iceland) | | |
| | Innovations on consumer sleep technology for the sleep-disordered breathing | 11:38 - 11:54 |
| Timo Leppänen (Finland) | | |
| | Sponsorship bias and lack of validation - Exploring the negative effects of commercial aspects on the validation of consumer sleep technologies | 11:54 - 12:10 |
| Gabriel Natan Pires (Brazil) | | |
| | Question & Answer | 12:10 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-86: AI approaches in pediatric sleep: Unraveling developmental sleep issues | | |
| Chair: Karen Spruyt (France) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:50 |
| | Characterizing the complexity of REM sleep across pediatric development: A chaos-driven approach | 10:50 - 11:10 |
| Toshihiro Imamura (United States) | | |
| | Time-of-day rhythms of memory function in Chinese university students | 11:10 - 11:30 |
| Fan Li (China) | | |
| | Extracting polysomnographic insights before and after adenotonsillectomy for pediatric OSA through advanced recurrence analysis | 11:30 - 11:50 |
| Cheng-Bang Chen (United States) | | |
| | Digital approaches to delivering parent-based sleep interventions for insomnia in children with ASD/ADHD | 11:50 - 12:10 |
| Shirley Xin Li (Hong Kong) | | |
| | Question & Answer | 12:10 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-87: Innovative approaches to sleep Disorders and craniofacial health: Bridging research and clinical practice | | |
| Chair: JULIANA TEREZA COLPANI (Singapore) | | |
| Chair: Raymond Chung Wen Wong (Singapore) | | |
| | Summary | 10:45 - 10:45 |

| | | |
|---|--|---------------|
| | Introduction | 10:45 - 10:50 |
| | Sleep bruxism and orofacial pain: Putative mechanisms towards clinical implications | 10:50 - 11:06 |
| Gilles J Lavigne (Canada) | | |
| | Advancing facial deformity correction: Integrating technology in sleep disorder treatment | 11:06 - 11:22 |
| Raymond Chung Wen Wong (Singapore) | | |
| | Classification of craniofacial pain with a focus on sleep disorders and neuroplasticity | 11:22 - 11:38 |
| Peter Svensson (Singapore) | | |
| | Novel approaches to sleep-disordered breathing: Mechanisms and treatments | 11:38 - 11:54 |
| Peter Cistulli (Australia) | | |
| | Cardiovascular implications of obstructive sleep apnea: Emerging insights | 11:54 - 12:10 |
| Anna Mohammadieh (Australia) | | |
| | Question & Answer | 12:10 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-88: Gender disparities in obesity hypoventilation syndrome: From diagnosis and treatment to outcomes | | |
| <i>Chair:</i> Babak Mokhlesi (United States) | | |
| <i>Chair:</i> Juan Fernando Masa Jimenez (Spain) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:50 |
| | Gender differences in presentation and diagnosis of OHS | 10:50 - 11:08 |
| Ahmed BaHammam (Saudi Arabia) | | |
| | Sex disparities impacts patient outcomes in ambulatory and hospitalized patients with OHS | 11:08 - 11:26 |
| Maria Angeles Sanchez Quiroga (Spain) | | |
| | Implementing guideline-based care in patients with OHS to minimize gender disparities in care | 11:26 - 11:44 |
| Amanda Piper (Australia) | | |
| | Putting it all together: Is gender bias in OHS real and if so, how to avoid it. | 11:44 - 12:02 |
| Babak Mokhlesi (United States) | | |
| | Question & Answer | 12:02 - 12:15 |
| <i>Symposium</i> 10:45 - 12:15 | | |
| S-89: Novel developments in psychotherapy for insomnia | | |
| <i>Chair:</i> Elisabeth Hertenstein (Switzerland) | | |
| <i>Chair:</i> Dieter Riemann (Germany) | | |
| | Summary | 10:45 - 10:45 |
| | Introduction | 10:45 - 10:50 |
| | NEW SLEEP: Using accurate and daily sleep feedback in home environments in order to improve sleep | 10:50 - 11:10 |

Manuel Schabus (Austria)

Acceptance and commitment therapy versus cognitive behavioral therapy for insomnia: Outcomes from a RCT and predictors of treatment response 11:10 - 11:30

Renatha El-Rafihi Ferreira (Brazil)

Addressing non-response and improving implementation as primary challenges for the future of psychotherapy for insomnia 11:30 - 11:50

Elisabeth Hertenstein (Switzerland)

Implementing CBT-I in routine clinical care using a stepped care model: A randomized controlled trial 11:50 - 12:10

Kai Spiegelhalder (Germany)

Question & Answer 12:10 - 12:15

Symposium

10:45 - 12:15

S-90: Restless legs syndrome: Exploring genetic diversity, racial differences, and phenotypes

Chair: Yuichi Inoue (Japan)

Chair: Ambra Stefani (Austria)

Summary 10:45 - 10:45

Introduction 10:45 - 10:50

Prevalence, presentation and correlates of RLS among stroke survivors in India 10:50 - 11:05

Ravi Gupta (India)

Genetics of RLS, update and new developments 11:05 - 11:20

Juliane Winkelmann (Germany)

African descent and RLS: Phenotypic differences and racial insights 11:20 - 11:35

Michael Fawale (Nigeria)

Seasonal exacerbation and its associated factors in restless legs syndrome 11:35 - 11:50

Yukiyoshi Sumi (Japan)

Exploring the clinical spectrum of idiopathic RLS: Data-driven classification and therapeutic implications 11:50 - 12:05

Ki-Young Jung (Korea, Republic of)

Question & Answer 12:05 - 12:15

Symposium

10:45 - 12:15

R308

S-91: The impact of sleep on frailty, sarcopenia, and falls: Investigating novel risk factors in aging populations

Chair: Dalva Poyares (Brazil)

Chair: Andrew Vakulin (Australia)

Summary 10:45 - 10:45

Introduction 10:45 - 10:50

The role of healthy sleep in healthy ageing: The interconnections between poor sleep and frailty 10:50 - 11:10

Katie Stone (United States)

The crosstalk between sleep and muscle health: Exploring relationships between sleep disorders and sarcopenia 11:10 - 11:30

Ronaldo Piovezan (Australia)

Poor sleep and clinical sleep disorders as potentially preventable risk factors for falls 11:30 - 11:50

Kelly Sansom (Australia)

Can treatment of sleep disorders reduce the risk of frailty, sarcopenia, and falls in older populations? 11:50 - 12:10

Atul Malhotra (United States)

Question & Answer 12:10 - 12:15

Symposium

10:45 - 12:15

R309

S-92: The impact of war on sleep: Uncovering the mechanisms that link trauma exposure and sleep quality across different cohorts and age groups

Chair: Tamar Shochat (Israel)

Chair: Iris Haimov (Israel)

Summary 10:45 - 10:45

Introduction 10:45 - 10:50

Associations of sleep quality with war-related anxiety, childhood stressors, and war-related stressors during the Israel-Hamas war 10:50 - 11:06

Iris Haimov (Israel)

Tired of war: Changes in the sleep of the Israeli civilian population in the wake of the Israel-Hamas war. 11:06 - 11:22

Alex Gileles-Hillel (Israel)

The impact of REM and non-REM sleep on fear extinction recall in trauma-exposed populations 11:22 - 11:38

Kim Felmingham (Australia)

Circadian instability predicts PTSD symptom severity following mass trauma 11:38 - 11:54

Roe Admon (Israel)

Safe sleep for children in unsafe conditions 11:54 - 12:10

Angelica Schlarb (Germany)

Question & Answer 12:10 - 12:15

Symposium

10:45 - 12:15

R324

S-93: Unveiling and addressing sleep health disparities in indigenous peoples around the world

Chair: Wendy Troxel (United States)

Chair: Sarah-Jane Paine (New Zealand)

Summary 10:45 - 10:45

Introduction 10:45 - 10:50

Sleep challenges and health implications for urban American Indian and Alaska Native adolescents 10:50 - 11:06

Wendy Troxel (United States)

Sleep health of First Nations Australian adolescents: Co-designed solutions for sleep health equity 11:06 - 11:22

Fatima Yaqoot (Australia)

Engaging the community to co-design sleep health interventions 11:22 - 11:38

Roslyn Von Senden (Australia)

Sleep health in First Nations Australians: Impacts on cardiovascular disease risk

11:38 - 11:54

Stephanie Yiallourou (Australia)

Indigenous epidemiology and Indigenous sleep health inequities: Two-decades of evidence from Aotearoa New Zealand

11:54 - 12:10

Sarah-Jane Paine (New Zealand)

Question & Answer

12:10 - 12:15

Symposium

10:45 - 12:15

R325

S-94: The link between heart rate variability, autonomic alterations, and sleep disorders across lifespan and pathologies

Chair: Raffaele Ferri (Italy)

Chair: Monica Puligheddu (Italy)

Summary

10:45 - 10:45

Introduction

10:45 - 10:50

Autonomic dysregulation and neurodegeneration: HRV measurements in REM sleep, RSWA and RBD

10:50 - 11:10

Monica Puligheddu (Italy)

Cross-sectional presentation of sleep microstructure in sleep disorders with major implications to pathophysiology and autonomic interplay

11:10 - 11:30

Ivana Rosenzweig (United Kingdom)

Cardiac autonomic modulation in adolescents: Impact of sleep irregularity, continuity, and depth

11:30 - 11:50

Julio Fernandez-Mendoza (United States)

Autonomic dysfunction in restless legs syndrome: Insights Into underlying mechanisms

11:50 - 12:10

Chenini Sofiène (France)

Question & Answer

12:10 - 12:15

Oral abstract

10:45 - 12:15

R327

Oral abstract: Content to be determined

Oral abstract

10:45 - 12:15

R328

Oral abstract: Content to be determined

Oral abstract

10:45 - 12:15

R329

Oral abstract: Content to be determined

Special interest group

11:00 - 12:00

R302

New directions in AI-driven sleep diagnostics

Chair: Christianne Bahia (Brazil)

Chair: Sharada Vinod (India)

Summary

11:00 - 11:00

Symposium

12:30 - 14:00

S-95: No strings attached: Harnessing novel contactless technology for sleep health and beyond*Chair:* Yue Leng (China)*Chair:* Derk-Jan Dijk (United Kingdom)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

Sleep and sleep apnea testing in the home - Contactless solutions and validation

12:35 - 12:51

Indu Ayappa (United States)

Under-mattress devices for assessment of sleep stages and sleep-disordered breathing

12:51 - 13:07

Clete Kushida (United States)

Multi-night assessment of OSA: Implications for diagnosis and cardiovascular outcomes

13:07 - 13:23

Danny Eckert (Australia)

Contactless and longitudinal monitoring of sleep and circadian rhythms in ageing and dementia

13:23 - 13:39

Derk-Jan Dijk (United Kingdom)

From pillow to pulse: Developing digital biomarkers from contactless sleep technologies

13:39 - 13:55

Yue Leng (China)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

S-96: Circadian rhythm sleep-wake disorders: Relevance to behavior and comorbidity*Chair:* Corrado Garbaza (Switzerland)*Chair:* Tsuyoshi Kitajima (Japan)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

The pathophysiology of DSWPD and its subtyping

12:35 - 12:51

Sabra Abbott (United States)

The consensus on DLMO measurement, and its applications to a longitudinal cohort of adolescents

12:51 - 13:07

Shantha Rajaratnam (Australia)

Comprehensive features of circadian disorders and their relevance to psychiatric disorders

13:07 - 13:23

Nicholas Meyer (United Kingdom)

Possible internal desynchronization in DSWPD and N24SWD and its relevance to comorbidity and behavior

13:23 - 13:39

Tsuyoshi Kitajima (Japan)

Circadian measurements and interventions for CRSWDs with a focus on N24SWD and its comorbidity

13:39 - 13:55

Corrado Garbaza (Switzerland)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

S-97: Obstructive sleep, apnea: Studies by early-stage investigators*Chair:* Allan Pack (United States)*Chair:* Nigel McArdle (Australia)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

Comparison of tongue fat In Asians with obstructive sleep apnea and controls

12:35 - 12:55

Liyue (Adell) Xu (China)

Differences in sleep-disordered breathing between Asians and Caucasians

12:55 - 13:15

Matthew Salanitro (Germany)

Harnessing observational data to advance insights into CPAP therapy and cardiovascular health in OSA

13:15 - 13:35

Kelly Sansom (Australia)

Measuring arousal sources for use in cross diagnosis of sleep apnea and insomnia

13:35 - 13:55

Matt Gratton (United States)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

S-98: Beyond the classical pentad: Narcolepsy from a multimodal perspective*Chair:* Emmanuel Mignot (United States)*Chair:* Birgit Högl (Austria)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

A vicious circle: Psychiatric and cognitive comorbidities in narcolepsy and their impact on patient-reported outcome measures

12:35 - 12:55

Merve Aktan Süzgün (Turkey)

Unmasking the overlap: Exploring the link between narcolepsy, obstructive sleep apnea, and their impact on cardiovascular and metabolic health

12:55 - 13:15

Jatuporn Wanchaitanawong (Thailand)

What precision medicine brings to narcolepsy practical clinic: The importance of genetics, biomarkers and phenotype in stratifying the subtypes

13:15 - 13:35

Christianne Bahia (Brazil)

The present and future of research, diagnosis, and treatment of central disorders of hypersomnolence

13:35 - 13:55

Emmanuel Mignot (United States)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

S-99: Promoting infant sleep in different cultures: Lessons from developing, adapting and evaluating innovative sleep interventions for infants in various cultures*Chair:* Ree M. Meertens (Netherlands)*Chair:* Justin A. Lavner (United States)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

Symposium introduction and an overview of different cultural approaches to child sleep health promotion interventions

12:35 - 12:51

Ree M. Meertens (Netherlands)

Sleep health of Australian First Nations children: Community-led initiatives to improve sleep health of young people (co-presenter Roslyn von Senden)

12:51 - 13:07

Roslyn Von Senden (Australia)

Promoting infant and maternal sleep among Black American families in the early postpartum period: A randomized clinical trial

13:07 - 13:23

Justin A. Lavner (United States)

Culturally and family tailored sleep intervention for Japanese young children: A community-based approach using an interactive smartphone application

13:23 - 13:39

Arika Yoshizaki (Japan)

Sleep on number 1! Development, co-creation and evaluation of an infant sleep intervention tailored to Dutch pediatric primary care

13:39 - 13:55

Marijn P. W. van de Sande (Netherlands)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

S-100: The rhythm of rest: Exploring the cognitive and psychological benefits and drawbacks associated with intraindividual variability in sleep*Chair:* June Lo (Singapore)*Chair:* Shirley Xin Li (Hong Kong)**Summary**

12:30 - 12:30

Introduction

12:30 - 12:35

Objective and subjective measures of sleep intraindividual variability

12:35 - 12:55

Michael Scullin (United States)

Neurobehavioural outcomes of intraindividual variability in sleep from childhood to adulthood

12:55 - 13:15

June Lo (Singapore)

Exploring the impact of sleep variability on adolescent mental health and cognitive function: Insights from year-long actigraphy recordings

13:15 - 13:35

Leila Tarokh (Switzerland)

The implications of sleep variability on health in young people: From experimental to clinical research

13:35 - 13:55

Yue Pan (Singapore)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

R308

S-101: ISSS symposium: The role of anatomic surgery in adult sleep apnea patients failing conventional treatments: Latest evidence and guidelines

Chair: Lyndon Chan (Australia)

Chair: Thomas Kaffenberger (United States)

Summary

12:30 - 12:30

Introduction

12:30 - 12:35

What is sleep apnea surgery and what are the current guidelines?

12:35 - 12:51

Khai Beng Chong (Singapore)

Evidence for surgery as an adjunct for sleep apnea devices

12:51 - 13:07

Srinivas Kishore (India)

Evidence for sleep apnea surgery

13:07 - 13:23

Julia Crawford (Australia)

What is mean disease alleviation and how does it apply to the treatment of sleep apnea

13:23 - 13:39

Madeline Ravesloot (Netherlands)

Debate & discussion: Where does anatomic surgery sit in modern treatment paradigms?

13:39 - 13:55

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

R309

S-102: Digital advancements in oral appliance therapy for obstructive sleep apnea

Chair: Subha Giri (United States)

Summary

12:30 - 12:30

Introduction

12:30 - 12:35

Artificial Intelligence enabled predictive metrics in personalizing OSA treatments

12:35 - 12:55

Timothy Morgenthaler (United States)

Facial features of patients with obstructive sleep apnea - "Is the picture worth a thousand words?"

12:55 - 13:15

Fernanda Almeida (Canada)

Innovations in digital technology for predicting outcomes with oral appliance therapy

13:15 - 13:35

Olivier Vanderveken (Belgium)

Current and future trends in end-to-end digital workflow in oral appliance therapy: Challenges and opportunities in middle-income countries

13:35 - 13:55

Premthip Chalidapongse (Thailand)

Question & Answer

13:55 - 14:00

Symposium

12:30 - 14:00

R324

S-103: Cardiovascular implications of sleep disruption in women: Emerging evidence and clinical implications

Chair: Snigdha Pusalavidyasagar (United States)

Chair: Virend Somers (United States)

| | | |
|--|--|---------------|
| | Summary | 12:30 - 12:30 |
| | Introduction | 12:30 - 12:35 |
| | The social and environmental determinants of women's sleep health | 12:35 - 12:55 |
| Dayna Johnson (United States) | | |
| | Cardiovascular consequences of sleep disruption: Worse for women? | 12:55 - 13:15 |
| Naima Covassin (United States) | | |
| | Pregnancy-related cardiovascular disease and obstructive sleep apnea | 13:15 - 13:35 |
| Snigdha Pusalavidyasagar (United States) | | |
| | Sleep disruption and autonomic imbalance in women: Pathophysiology, clinical implications and therapeutic strategies | 13:35 - 13:55 |
| Helga Margrét Skúladóttir (Iceland) | | |
| | Question & Answer | 13:55 - 14:00 |
| <i>Symposium</i> | | |
| 12:30 - 14:00 | | R325 |
| | S-104: Shaping the future of sleep medicine: Evidence, innovations, and insights from Sleep Revolution | |
| Chair: Timo Leppänen (Finland) | | |
| Chair: Erna Sif Arnardóttir (Iceland) | | |
| | Summary | 12:30 - 12:30 |
| | Introduction | 12:30 - 12:35 |
| | Harnessing big data and artificial intelligence in sleep medicine: opportunities and challenges | 12:35 - 12:51 |
| Henri Korkalainen (Finland) | | |
| | Subjective vs. objective sleep parameters - What do they tell us? | 12:51 - 13:07 |
| Erna Sif Arnardóttir (Iceland) | | |
| | Probabilistic approach to analyze sleep structure - From scoring sleep to modelling sleep | 13:07 - 13:23 |
| Samu Kainulainen (Finland) | | |
| | The future of sleep laboratories: Translating sleep revolution findings into clinical practice | 13:23 - 13:39 |
| Ludger Grote (Sweden) | | |
| | Personalized treatment modalities - The role of physical activity and exercise in the management of SDB | 13:39 - 13:55 |
| Katrin Ýr Friðgeirsdóttir (Iceland) | | |
| | Question & Answer | 13:55 - 14:00 |
| <i>Symposium</i> | | |
| 12:30 - 14:00 | | R326 |
| | S-105: Waking up the workforce: Exploring the impact of sleep on workplace performance, decision-making, and outcomes | |
| Chair: Christopher Barnes (Singapore) | | |
| Chair: Stijn Massar (Singapore) | | |
| | Summary | 12:30 - 12:30 |
| | Introduction | 12:30 - 12:35 |

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|---------------------------------------|--|---------------|
| | The impact of sleep deprivation on physicians' empathy and pain management decisions | 12:35 - 12:53 |
| Alex Gileles-Hillel (Israel) | | |
| | The science behind sleep and workplace performance: Bridging research and real-world applications | 12:53 - 13:11 |
| Els van der Helm (Switzerland) | | |
| | Using wearable and mobile technology to measure sleep at scale in working populations | 13:11 - 13:29 |
| Stijn Massar (Singapore) | | |
| | Preventing Karoshi: Fatigue risk in employees exceeding 80 hours of overtime monthly | 13:29 - 13:47 |
| Tomohide Kubo (Japan) | | |
| | Question & Answer | 13:47 - 14:00 |
| <i>Oral abstract</i> 12:30 - 14:00 | | R327 |
| | Oral abstract: Content to be determined | |
| <i>Oral abstract</i> 12:30 - 14:00 | | R328 |
| | Oral abstract: Content to be determined | |
| <i>Oral abstract</i> 12:30 - 14:00 | | R329 |
| | Oral abstract: Content to be determined | |
| <i>Keynote</i> 14:15 - 15:00 | | |
| | K-11: Björn Rasch: Sleep and memory: Current state of research and future needs | |
| <i>Keynote</i> 14:15 - 15:00 | | |
| | K12: Joshua J. Gooley: The hard facts supporting later learning start times | |
| <i>Symposium</i> 15:15 - 16:45 | | |
| | S-106: World clock: Turning back time on diagnostic delays in NT1 | |
| Chair: Phyllis Zee (United States) | | |
| Chair: Raffaele Ferri (Italy) | | |
| | Introduction | 15:15 - 15:15 |
| | Bringing narcolepsy to light: Public and clinician education | 15:15 - 15:31 |
| Anne Marie Morse (United States) | | |
| | Recognizing pediatric NT1: A key to earlier diagnosis | 15:31 - 15:47 |
| Giuseppe Plazzi (Italy) | | |
| | Why narcolepsy goes unseen: Causes of diagnostic delay and solutions through medical education | 15:47 - 16:03 |
| Nana Tachibana (Japan) | | |
| | Narcolepsy in the Middle East: Barriers and opportunities in early diagnosis | 16:03 - 16:19 |

Ahmed BaHamam (Saudi Arabia)

A patient's perspective and mission to reduce delays

16:19 - 16:35

Julie Flygare (United States)

Question and answer

16:35 - 16:43

Symposium

15:15 - 16:45

S-107: Beyond scoring: Transforming sleep medicine with AI

Chair: Matteo Cesari (Austria)

Chair: Manuel Schabus (Austria)

Summary

15:15 - 15:15

Introduction

15:15 - 15:20

Beyond the hypnogram: Alternative representations of sleep structure

15:20 - 15:36

Merel van Gilst (Netherlands)

Unlocking sleep's secrets: AI-driven insights into brain health

15:36 - 15:52

Wolfgang Ganglberger (United States)

New sleep: Accurate sleep analysis in natural settings with the aim to improve sleep using wearables

15:52 - 16:08

Manuel Schabus (Austria)

AI-based tools for improving diagnosis and treatment of obstructive sleep apnea

16:08 - 16:24

Gabriel Natan Pires (Brazil)

From code to care: Implementing AI in sleep medicine devices and practices

16:24 - 16:40

Jon Agustsson (Iceland)

Question & Answer

16:40 - 16:45

Symposium

15:15 - 16:45

S-108: Sleep, sleep apnea, and heart rhythm: All you can learn

Chair: Younghoon Kwon (Korea, Republic of)

Chair: Chih-Chieh Yu (Taiwan)

Summary

15:15 - 15:15

Introduction

15:15 - 15:20

Interplay between obstructive sleep apnea and AF

15:20 - 15:36

Ronald Lee (Singapore)

OSA and impaired sleep as risk factors of AF and other heart rhythm disorders

15:36 - 15:52

Chih-Chieh Yu (Taiwan)

Device-detected sleep apnea events and its link to cardiac arrhythmia and cardiovascular outcomes

15:52 - 16:08

Seung-Jung Park (Korea, Republic of)

Sleep apnea and sudden cardiac death: Quo Vadis?

16:08 - 16:24

Virend Somers (United States)

Wearable sleep and cardiac rhythm monitoring to address sleep heart health

16:24 - 16:40

Younghoon Kwon (Korea, Republic of)

Question & Answer

16:40 - 16:45

Symposium

15:15 - 16:45

S-109: Examining sleep contributions to pathways from stress to affective psychopathology in children and youth

Chair: Erika Forbes (United States)

Summary

15:15 - 15:15

Introduction

15:15 - 15:20

Adolescent sleep development and mental health

15:20 - 15:40

Rachel Ran Wang (Hong Kong)

Sleep patterns and internalizing psychopathology in children adopted from foster care

15:40 - 16:00

Candice Alfano (United States)

Sleep quality interacts with reactivity to daily social threat events to predict suicidal Ideation in sexual and gender minority young adults

16:00 - 16:20

Stanley Seah (United States)

Savoring approaches to better sleep in a war zone: Co-design of a brief digital intervention for Ukrainian youth

16:20 - 16:40

Dana McMakin (United States)

Question & Answer

16:40 - 16:45

Symposium

15:15 - 16:45

S-110: Chrononutrition to optimize health

Chair: Frank A.J.L. Scheer (United States)

Summary

15:15 - 15:15

Introduction

15:15 - 15:20

Meal o'clock; Circadian food timing to improve metabolic and cardiovascular health

15:20 - 15:40

Frank A.J.L. Scheer (United States)

Optimizing health through time-restricted eating

15:40 - 16:00

Emily Manoogian (United States)

Meal timing in shift work and beyond: Enhancing metabolic health and cognitive performance

16:00 - 16:20

Siobhan Banks (Australia)

An interactive web: Meal timing, genetics, and metabolic health

16:20 - 16:40

Marta Garaulet (Spain)

Question & Answer

16:40 - 16:45

Symposium

15:15 - 16:45

S-111: Translation of endo-phenotyping of adult obstructive sleep apnea to the clinic

Chair: Danny Eckert (Australia)

Chair: Thomas M Tolbert (United States)

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| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:20 |
| | The latest knowledge on OSA pathophysiology and opportunities to advance personalized care | 15:20 - 15:36 |
| Danny Eckert (Australia) | | |
| | Development of simplified OSA endotype metrics and their role in guiding targeted therapies including pharmacotherapies and beyond | 15:36 - 15:52 |
| Amal Osman (Australia) | | |
| | Cohorts, data standardization, technical & measurement perspectives and the need for data sharing/collaboration to advance OSA endo-phenotyping | 15:52 - 16:08 |
| Scott Sands (United States) | | |
| | Use of digital health and novel technology to advance clinical translation of OSA endo-phenotyping for personalized care | 16:08 - 16:24 |
| Jean-Louis Pépin (France) | | |
| | Summary of the ATS research statement recommendations and findings | 16:24 - 16:40 |
| Thomas M Tolbert (United States) | | |
| | Question & Answer | 16:40 - 16:45 |
| <i>Symposium</i> | | |
| 15:15 - 16:45 | | R308 |
| | S-112: Targeting sleep disturbances in mental disorders: Does it make the difference? | |
| Chair: Pierre Alexis Geoffroy (France) | | |
| Chair: Dieter Riemann (Germany) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:20 |
| | Sleep and circadian rhythm disturbance in psychosis, does targeting sleep and circadian function improve outcomes? | 15:20 - 15:40 |
| Nicholas Meyer (United Kingdom) | | |
| | A “wake up call” for nightmares in adults: Management and implications for mental health | 15:40 - 16:00 |
| Pierre Alexis Geoffroy (France) | | |
| | Treating insomnia comorbid with mood and anxiety disorders: Data on CBT-I and pharmacological treatments | 16:00 - 16:20 |
| Laura Palagini (Italy) | | |
| | Reducing suicidality through insomnia treatment is it possible? | 16:20 - 16:40 |
| Vaughn McCall (United States) | | |
| | Question & Answer | 16:40 - 16:45 |
| <i>Symposium</i> | | |
| 15:15 - 16:45 | | R309 |
| | S-113: The mind throughout the sleep-wake cycle: The importance of cognitive phenomenology in sleep clinics | |
| Chair: Andrea Galbiati (Italy) | | |
| Chair: Francesca Siclari (Netherlands) | | |
| | Summary | 15:15 - 15:15 |

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| | Introduction | 15:15 - 15:20 |
| | The spectrum of conscious experiences and sensory disconnection in patients with Non-REM parasomnias | 15:20 - 15:36 |
| Francesca Siclari (Netherlands) | | |
| | Nocturnal mentation in insomnia and its consequences for regulation of emotional distress | 15:36 - 15:52 |
| Rick Wassing (Australia) | | |
| | The cathartic dream: Using a large language model to study a new type of functional dream in healthy and clinical populations | 15:52 - 16:08 |
| Lampros Perogamvros (Switzerland) | | |
| | Dreaming in action: Bridging neurobiology and phenomenology in REM behavior disorder | 16:08 - 16:24 |
| Andrea Galbiati (Italy) | | |
| | When epilepsy enters dreams: Mental content during sleep as a window on neurological disorders | 16:24 - 16:40 |
| Laure Peter-Derex (France) | | |
| | Question & Answer | 16:40 - 16:45 |
| <i>Symposium</i> | | |
| 15:15 - 16:45 | | R324 |
| | S-114: New insights on the control of breathing during sleep and innovative genetic approaches for obstructive sleep apneas | |
| Chair: Stefano Bastianini (Italy) | | |
| Chair: Elda Arrigoni (United States) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:20 |
| | Neural circuitry mediating arousal during sleep apnea and airways motor control during REM sleep | 15:20 - 15:40 |
| Elda Arrigoni (United States) | | |
| | The recruitment of abdominal muscles to stabilize the respiratory pattern during REM sleep in newborns and adult rats | 15:40 - 16:00 |
| Silvia Pagliardini (Canada) | | |
| | Genetic mouse models of obstructive sleep apnea and chemogenetic modulation of tongue contraction during sleep | 16:00 - 16:20 |
| Stefano Bastianini (Italy) | | |
| | Mechanisms of hypoglossal motor control reveal therapeutic targets for obstructive sleep apnea | 16:20 - 16:40 |
| Richard Horner (Canada) | | |
| | Question & Answer | 16:40 - 16:45 |
| <i>Symposium</i> | | |
| 15:15 - 16:45 | | R325 |
| | S-115: Sleep in athletes and the application to occupational settings | |
| Chair: Ian Dunican (Australia) | | |
| Chair: Ashley Montero (Australia) | | |
| | Summary | 15:15 - 15:15 |
| | Introduction | 15:15 - 15:17 |

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| Sleep, nutrition & athlete recovery | 15:17 - 15:37 |
| Rónán Doherty (Ireland) | |
| Travel fatigue, jet lag, and performance: Insights from athletes with applicability for all | 15:37 - 15:57 |
| Tim Smithies (Australia) | |
| Sleep deprivation, motivation, and effort investment | 15:57 - 16:17 |
| Stijn Massar (Singapore) | |
| Mental health and sleep in athletes: Translation and application to industrial settings and shiftwork | 16:17 - 16:37 |
| Michael Grandner (United States) | |
| Question & Answer | 16:37 - 16:45 |
| <i>Oral abstract</i> 15:15 - 16:45 | R327 |
| Oral abstract: Content to be determined | |
| <i>Oral abstract</i> 15:15 - 16:45 | R328 |
| Oral abstract: Content to be determined | |
| <i>Oral abstract</i> 15:15 - 16:45 | R329 |
| Oral abstract: Content to be determined | |
| <i>Symposium</i> 17:00 - 18:30 | |
| S-116: The role of sleep and circadian factors for motivation and behavior | |
| <i>Chair:</i> John Axelsson (Sweden) | |
| <i>Chair:</i> Leonie Balter (Netherlands) | |
| Summary | 17:00 - 17:00 |
| Introduction | 17:00 - 17:05 |
| Chronotype differences in motivation and dopamine binding capacity across the day | 17:05 - 17:25 |
| Leonie Balter (Netherlands) | |
| The impact of insufficient sleep on dietary choices and physical activity behaviours | 17:25 - 17:45 |
| Sean Drummond (Australia) | |
| The role of sleep and sleepiness for social behaviour | 17:45 - 18:05 |
| Tina Sundelin (Sweden) | |
| Sleepiness as motivation: A mechanism for how insufficient sleep and other stressors drive behavior to safeguard recovery | 18:05 - 18:25 |
| John Axelsson (Sweden) | |
| Question & Answer | 18:25 - 18:30 |
| <i>Symposium</i> 17:00 - 18:30 | |
| S-117: Artificial intelligence approaches to physiologic signals in sleep medicine | |
| <i>Chair:</i> Najib Ayas (Canada) | |

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| | Summary | 17:00 - 17:00 |
| | Introduction | 17:00 - 17:05 |
| | AI application to data from wearables - A gold mine of information | 17:05 - 17:25 |
| Cathy Goldstein (United States) | | |
| | AI analysis of EEG patterns in polysomnography- An insight into the brain. 20 | 17:25 - 17:45 |
| Haoqi Sun (United States) | | |
| | AI-based endotyping of sleep apnea | 17:45 - 18:05 |
| Lucia Pinilla (Australia) | | |
| | Concluding remarks and Questions | 18:05 - 18:25 |
| Najib Ayas (Canada) | | |
| | Question & Answer | 18:25 - 18:30 |
| <i>Symposium</i> 17:00 - 18:30 | | |
| | S-118: The molecular link between sleep and neurodevelopment | |
| Chair: Gustavo Moreira (Brazil) | | |
| Chair: Magda LaHorgue Nunes (Brazil) | | |
| | Summary | 17:00 - 17:00 |
| | Introduction | 17:00 - 17:05 |
| | Genetic convergence between sleep and neurodevelopment | 17:05 - 17:25 |
| Mariana Moyses-Oliveira (Brazil) | | |
| | Iron deficiency underlying sleep and neurodevelopmental disorders | 17:25 - 17:45 |
| Romy Hoque (United States) | | |
| | Circadian and sleep alterations in neurogenetic disorders | 17:45 - 18:05 |
| Karen Spruyt (France) | | |
| | Broad impact of sleep disturbances in genetic syndromes: Who takes care of the caregiver? | 18:05 - 18:25 |
| Gustavo Moreira (Brazil) | | |
| | Question & Answer | 18:25 - 18:30 |
| <i>Symposium</i> 17:00 - 18:30 | | |
| | S-119: Empowering women's sleep health through artificial intelligence | |
| Chair: Leila Emami (Iran) | | |
| Chair: Shirin Shafazand (United States) | | |
| | Summary | 17:00 - 17:00 |
| | Introduction | 17:00 - 17:05 |
| | Addressing insomnia in pregnant women in Iran; Application of AI | 17:05 - 17:21 |
| Leila Emami (Iran) | | |
| | OSA in women, more than just snoring: A population health perspective | 17:21 - 17:37 |
| Shirin Shafazand (United States) | | |
| | Hypersomnia and its impact on women's health | 17:37 - 17:53 |
| Brendon Yee (Australia) | | |

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| Insomnia in perimenopausal women | 17:53 - 18:09 |
| Charles Morin (Canada) | |
| AI tools in sleep health diagnosis and research | 18:09 - 18:25 |
| Javad Razjouyan (United States) | |
| Question & Answer | 18:25 - 18:30 |
| <i>Symposium</i> 17:00 - 18:30 | |
| S-120: Sleep and long COVID: From epidemiology to future prevention on behalf of Second International COVID-19 Sleep Study (ICOSS-II) group | |
| Chair: Markku Partinen (Finland) | |
| Chair: Bjørn Bjorvatn (Norway) | |
| Summary | 17:00 - 17:00 |
| Introduction | 17:00 - 17:05 |
| Sleep as core symptoms of long COVID | 17:05 - 17:21 |
| Iiona Merikanto (Finland) | |
| Sleep debt, chronotype, and irregular sleep patterns in long COVID | 17:21 - 17:37 |
| Catia Reis (Portugal) | |
| Long COVID, loss of smell and sleep disturbances | 17:37 - 17:53 |
| Harald Hrubos-Strom (Norway) | |
| Long COVID, dream enactment behavior and future neurodegeneration | 17:53 - 18:09 |
| SY Gong (Hong Kong) | |
| Prevention of infection related morbidities from sleep and circadian perspectives | 18:09 - 18:25 |
| Eemil Partinen (Finland) | |
| Question & Answer | 18:25 - 18:30 |
| <i>Symposium</i> 17:00 - 18:30 | |
| S-121: Novel sleep intervention trials for enhancing brain health across the lifespan | R309 |
| Chair: Katie Stone (United States) | |
| Chair: Yue Leng (China) | |
| Summary | 17:00 - 17:00 |
| Introduction | 17:00 - 17:05 |
| Gut-based intervention strategies for neuroprotection in sleep disorders | 17:05 - 17:25 |
| Yuhua Yang (Hong Kong) | |
| Effects of CPAP on neuroimaging biomarkers and cognition: A multi-center randomized controlled trial in a middle-aged Chinese population | 17:25 - 17:45 |
| Shankai Yin (China) | |
| Sleep apnea intervention to reduce risk of Alzheimer's Disease and related dementias | 17:45 - 18:05 |
| Ricardo Osorio (United States) | |
| Treating insomnia in mild cognitive impairment in the community: Insights from an online CBI-I feasibility trial | 18:05 - 18:25 |

Sharon Naismith (Australia)

Question & Answer

18:25 - 18:30

Symposium

17:00 - 18:30

R324

S-122: Children's sleep in context: The role of social, economic, and educational policy and practice in early sleep development*Chair:* Karen Thorpe (Australia)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:05

The interactive association of family- and neighbourhood- level factors on children and youth sleep outcomes

17:05 - 17:25

Katarina McKenzie (Canada)

The relationship between children's napping patterns and teacher-child interactions in preschool classrooms in China

17:25 - 17:45

Hui Li (China)

Variability in childcare sleep environments and naptime-related provider attitudes and practices in Rhode Island, USA

17:45 - 18:05

Tayla von Ash (United States)

Social and environmental drivers of longitudinal sleep patterns in early childhood

18:05 - 18:25

Sally Staton (Australia)

Question & Answer

18:25 - 18:30

Symposium

17:00 - 18:30

R325

S-123: The waking nightmare: Unraveling the evidence behind the intertwined pathways between sleep and cancer*Chair:* Sergio Tufik (Brazil)*Chair:* David Gozal (United States)**Summary**

17:00 - 17:00

Introduction

17:00 - 17:05

Prostate cancer, prostate-specific antigen, and obstructive sleep apnea: What do we know so far?

17:05 - 17:25

Allan Porcacchia (Brazil)

Sleep disorders and circadian disruption: Clinical insights into Cancer risk and progression

17:25 - 17:45

Maria Paola Mogavero (Italy)

Mechanisms from translational and basic studies about sleep disorders, circadian disruption and cancer

17:45 - 18:05

Isaac Almendros (Spain)

Sleep disruption in patients with Cancer

18:05 - 18:25

Saadia Faiz (United States)

Question & Answer

18:25 - 18:30

Oral abstract

17:00 - 18:30

R327

Oral abstract: Content to be determined*Oral abstract*

17:00 - 18:30

R328

Oral abstract: Content to be determined*Oral abstract*

17:00 - 18:30

R329

Oral abstract: Content to be determined