

Scientific Programme

Hall A - Track 4 - Sleep Mechanisms And Functions

17:15 - 17:45	<p>31.10.2015, Opening/Closing</p> <p>Opening Presidential Lecture 1</p> <p>Chairs: P. Peigneux (Brussels, Belgium)</p> <p>Sleep and health - focus on wellbeing, aging, gender, stress and sleep quality T. Åkerstedt (Stockholm, Sweden)</p>
17:45 - 18:45	<p>31.10.2015, Symposium</p> <p>Symposium: Earlier Career Scientists</p> <p>Chairs: H. Hrubos-Strøm (Lørenskog, Norway) C. Reis (Lisbon, Portugal)</p>
17:45 - 18:00	<p>Sleep disturbances in rats after forced activity in resting phase. An animal model of night work J. Mrdalj (Bergen, Norway)</p>
18:00 - 18:15	<p>Increased sleep latency and reduced sleep efficiency are associated with non-dipping pattern in resistant hypertensive patients R.M. Bruno (Pisa, Italy)</p>
18:15 - 18:30	<p>Daytime light irradiance positively influences the sleep homeostatic process through melanopsin-based phototransduction in mice J. Hubbard (Strasbourg, France)</p>
18:30 - 18:45	<p>Mechanisms of respiratory-related cortical arousal during sleep: role of breath timing and respiratory load compensation J. Amatory (Sydney, Australia)</p>
18:45 - 19:15	<p>31.10.2015, Opening/Closing</p> <p>Opening Presidential Lecture 2</p> <p>Chairs: C. Kushida (Redwood City, United States)</p> <p>Nasal CPAP History: From Experiment to Effective Therapy C. Sullivan (Sydney, Australia)</p>

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09:00 - 10:30	01.11.2015, Opening/Closing Opening Plenary: Sleep & Health Symposium Chairs: P. Peigneux (Brussels, Belgium) C. Kushida (Redwood City, United States) M. Aksu (Istanbul, Turkey)
09:00 - 09:30	Sleep, aging and dementia S. Ancoli-Israel (La Jolla, United States)
09:30 - 10:00	Cardiovascular diseases and Sleep apnea J.-L. Pepin (Grenoble, France)
10:00 - 10:30	Neuroimaging in Sleep Disorders S.B. Hong (Seoul, Republic of Korea)
11:00 - 12:00	01.11.2015, Oral Session Breakthrough in the Identification of Sleep-Wake Networks Chairs: M. Kimura (Munich, Germany)
11:00 - 11:12	Optogenetic stimulation performed with simultaneous in vivo microdialysis reveals that cholinergic neurons in the basal forebrain promote wakefulness by actions on neighboring non-cholinergic neurons J.C.C. Zant (West Roxbury, United States)
11:12 - 11:24	Cholinergic basal forebrain structures are not essential for the mediation of the arousing action of glutamate Z. Lelkes (Szeged, Hungary)
11:24 - 11:36	Metabotropic glutamate receptors of subtype 5 and sleep homeostasis A. Sousek (Zurich, Switzerland)
11:36 - 11:48	A screen for potassium channels contributing to local sleep C. Muheim (Zurich, Switzerland)
11:48 - 12:00	The supramammillary nucleus and the claustrum activate cortical structures during paradoxical (REM) sleep P.-H. Luppi (Lyon, France)
13:30 - 15:30	01.11.2015, Symposium Symposium: Cost and gain of neuronal networks: sleep-wake regulation from mice to human Chairs: G. Vandewalle (Liège, Belgium) J. Carrier (Montreal, Canada)

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- 13:30 - 14:00** **Global sleep and single neurons**
V. Vyazovskiy (Oxford, United Kingdom)
- 14:00 - 14:30** **Human neuronal drive is set by circadian system and sleep homeostasis**
S.L.L. Chellappa (Liège, Belgium)
- 14:30 - 15:00** **Sleep and synaptic plasticity: spotlight on dendrites**
J. Seibt (Berlin, Germany)
- 15:00 - 15:30** **Age-related changes in cerebral functional connectivity and synchrony during NREM sleep in humans**
J. Carrier (Montreal, Canada)
- 16:00 - 16:45** 01.11.2015, Keynote Lecture
Keynote Lecture: Gyorgy Buzsaki
Chairs:
P. Peigneux (Brussels, Belgium)
Memory consolidation during sleep in a preconfigured brain
G. Buzsaki (New York, United States)
- 17:00 - 18:00** 01.11.2015, Round Table
Round Table: What imaging can tell us on the mechanisms of sleep?
Chairs:
P. Peigneux (Brussels, Belgium)
- 17:00 - 17:12** **NREM sleep phenomena and their significance for “offline” information processing**
M. Schabus (Salzburg, Austria)
- 17:12 - 17:24** **Hippocampal sleep spindles preceding neocortical sleep onset in humans**
S. Sarasso (Milan, Italy)
- 17:24 - 17:36** **Dynamical functional connectivity during sleep spindles recorded in MEG**
J.-M. Lina (Montreal, Canada)
- 17:36 - 18:00** **Discussion**
- 11:00 - 13:00** 02.11.2015, Symposium
Symposium: Sleep: a view from the deep
Chairs:
H. Bastuji (Lyon, France)
Y. Nir (Tel Aviv, Israel)

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- 11:00 - 11:30** **Relationship between K complexes and spindles in the thalamo-cortical network**
D. Fabó (Budapest, Hungary)
- 11:30 - 12:00** **Local oscillations of sleep and sleepiness in humans**
Y. Nir (Tel Aviv, Israel)
- 12:00 - 12:30** **Dissociated electrophysiological states during sleep**
S. Sarasso (Milan, Italy)
- 12:30 - 13:00** **Thalamo-cortical activity in sleep-wake transitional states: coming in is different from getting out!**
H. Bastuji (Lyon, France)
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- 02.11.2015, Oral Session
- 14:00 - 15:00** **Cerebral States during Normal and Pathological Conditions**
Chairs:
L. Nobili (Milan, Italy)
Y. Nir (Tel Aviv, Israel)
- 14:00 - 14:12** **Thalamic and neocortical differences in the relationship between delta and sigma time courses of human sleep EEG**
S. Sarasso (Milan, Italy)
- 14:12 - 14:24** **Functional networks involved during sleep spindles recorded in MEG**
J.-M. Lina (Montreal, Canada)
- 14:24 - 14:36** **The impact of sleep on cognitive functioning**
B. Voinescu (Cluj-Napoca, Romania)
- 14:36 - 14:48** **Single-neuron activity and eye movements during human REM sleep and awake vision**
Y. Nir (Tel Aviv, Israel)
- 14:48 - 15:00** **Discussion**
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- 02.11.2015, Keynote Lecture
- 15:30 - 16:15** **Keynote Lecture: Jan Born**
Chairs:
P. Peigneux (Brussels, Belgium)
The memory function of sleep
J. Born (Tübingen, Germany)

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- 02.11.2015, Symposium
- 16:30 - 18:30** **Symposium: Sleep and circadian metabolomics**
- Chairs:**
D. Skene (Guildford, United Kingdom)
J. Gooley (Singapore, Singapore)
- 16:30 - 17:00** **Systems genetics of the sleep-deprivation metabolome using the BXD murine reference panel**
P. Franken (Lausanne, Switzerland)
- 17:00 - 17:30** **Diurnal and circadian rhythms in human plasma and urine metabolites: effect of sleep deprivation**
D. Skene (Guildford, United Kingdom)
- 17:30 - 18:00** **Changes in lipids across time of day in plasma and human milk**
J. Gooley (Singapore, Singapore)
- 18:00 - 18:30** **Lipid metabolism in total and partial sleep restriction**
T. Porkka-Heiskanen (Helsinki, Finland)
- 03.11.2015, Symposium
- 11:00 - 13:00** **Symposium: Fluid boundaries between wake and sleep: from animal models to human pathology**
- Chairs:**
S. Sarasso (Milan, Italy)
- 11:00 - 11:30** **Transitions to and from slow-wave sleep in cats and mice**
I. Timofeev (Québec, Canada)
- 11:30 - 12:00** **Cortical states and sleep homeostasis**
V. Vyazovskiy (Oxford, United Kingdom)
- 12:00 - 12:30** **Thalamo- and cortico-cortical dissociations across the sleep/wake cycle**
H. Bastuji (Lyon, France)
- 12:30 - 13:00** **Coexistence of sleep and wakefulness EEG activity in physiological and pathological NREM sleep**
L. Nobili (Milan, Italy)
- 03.11.2015, Keynote Lecture
- 13:30 - 14:15** **Keynote Lecture: Nicholas P. Franks**
- Chairs:**
P.-H. Luppi (Lyon, France)
- 13:30 - 14:15** **Mechanisms of general anaesthesia and overlap with natural sleep**
N.P.P. Franks (London, United Kingdom)

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	03.11.2015, Symposium
14:30 - 16:30	Symposium: New ways to look at sleep-wake states
	Chairs:
	A. Adamantidis (Bern, Switzerland)
14:30 - 15:10	REM sleep circuits dissection and unsupervised classification of sleep states
	P.-H. Luppi (Lyon, France)
15:10 - 15:50	Optogenetic probing of sleep and arousal
	A. Adamantidis (Bern, Switzerland)
15:50 - 16:30	Sleep-like bistability as a model for pathological loss of consciousness
	S. Sarasso (Milan, Italy)

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Hall B - Track 2 - Sleep, Biological Rhythms, Ageing And Quality Of Life

11:00 - 12:00	01.11.2015, Oral Session Sleep and Aging - Basic to Clinical Science Chairs: T. de Boer (Leiden, The Netherlands) A.U.U. Viola (Strasbourg, France)
11:00 - 11:12	Ageing alters the EEG microstructure and motor cortical drive across sleep in the rat models of impaired brain cholinergic control J. Saponjic (Belgrade, Serbia)
11:12 - 11:24	The effect of aging on NREM sleep EEG slow waves in mice M. Panagiotou (Leiden, The Netherlands)
11:24 - 11:36	Differential alerting and melatonin response to moderately bright light during 40 hours of extended wakefulness in young and older healthy volunteers A.U.U. Viola (Strasbourg, France)
11:36 - 11:48	Age affects sleep microstructure more than sleep macrostructure J. Schwarz (Stockholm, Sweden)
11:48 - 12:00	Sleep efficiency is associated with dual-task walking among community dwelling older adults M. Agmon (Haifa, Israel)
13:30 - 15:30	01.11.2015, Symposium Symposium: Why do we sleep so late? Chairs: D.-J. Dijk (Guildford, United Kingdom) N. Glozier (Sydney, Australia)
13:30 - 14:00	Secular trends in sleep epidemiology: are we sleeping more, less or later? N. Glozier (Sydney, Australia)
14:00 - 14:30	Circadian and environmental factors contributing to late sleep timing K. Wright (Boulder, United States)
14:30 - 15:00	Sleep in traditional societies: human sleep under evolutionarily relevant conditions J. Siegel (North Hills, United States)
15:00 - 15:30	Homeostatic, circadian and genetic determinants of individual differences in sleep timing: Implications for sleep health D.-J. Dijk (Guildford, United Kingdom)

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16:00 - 16:45	01.11.2015, Keynote Lecture Keynote Lecture: Claudio Bassetti Chairs: L. Nobili (Milan, Italy) Neuroplasticity, sleep and recovery from brain damage C. Bassetti (Bern, Switzerland)
17:00 - 18:00	01.11.2015, Round Table Round Table: Effects of light and darkness on sleep and health: how to monitor it? Chairs: D. Skene (Guildford, United Kingdom)
17:00 - 17:05	Introduction D. Skene (Guildford, United Kingdom)
17:05 - 17:25	Developing tools to quantify light and circadian disruption M. Figueiro (Troy, United States)
17:25 - 17:45	Light monitoring and actimetry in the real world, state of the art and future developments K. Wright (Boulder, United States)
17:45 - 18:00	Discussion D. Skene (Guildford, United Kingdom)
08:30 - 10:30	02.11.2015, Oral Session Biological Rhythmus and Circadian Disorders Chairs: M. Dressman (Washington, United States) D.-J. Dijk (Guildford, United Kingdom)
08:30 - 08:42	Are individual differences in sleep and circadian timing amplified by use of artificial light? A.J.J. Phillips (Boston, United States)
08:42 - 08:54	Neurons for all seasons: human neuronal drive across photoperiods S.L.L. Chellappa (Liège, Belgium)
08:54 - 09:06	Environmental daylight exposure interferes with the sleep patterns of sailors working the 3hrs-on/9hrs-off watchstanding schedule at sea P. Matsangas (Monterey, United States)
09:06 - 09:18	The direct non-circadian effects of light in a diurnal grass rat, <i>Arvicanthis ansorgei</i> J. Hubbard (Strasbourg, France)

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- 09:18 - 09:30** **Changes in objective shift characteristics and subsequent sleep and fatigue among shift working nurses**
M. Härmä (Helsinki, Finland)
- 09:30 - 09:42** **The role of sleep and circadian rhythm disturbance in the formation of psychotic-like experiences**
J. Cosgrave (Oxford, United Kingdom)
- 09:42 - 09:54** **Assessment of tasimelteon efficacy in totally blind individuals with non-24-hour sleep-wake disorder in the SET study**
M. Dressman (Washington, United States)
- 09:54 - 10:06** **Clinical assessment of drug-drug interactions of tasimelteon, novel dual melatonin receptor agonist**
R. Torres (Washington, United States)
- 10:06 - 10:30** **Discussion round**
- 15:30 - 16:15** 02.11.2015, Keynote Lecture
Keynote Lecture: Charles Morin
Chairs:
C. Espie (Oxford, United Kingdom)
Insomnia: A Long-Term View of its Natural History and Treatment
C. Morin (Québec, Canada)
- 16:30 - 18:30** 02.11.2015, Oral Session
The Effects of Short Sleep or Sleep Deprivation on Quality of Life
Chairs:
P. Peigneux (Brussels, Belgium)
P. Peirano (Santiago, Chile)
- 16:30 - 16:42** **Effects of lifestyle interventions on quality of sleep in breast cancer patients**
H. Ghavami (Urmiyeh, Islamic Republic of Iran)
- 16:42 - 16:54** **Individual vulnerability of cognitive performance impairment after alcohol consumption predicts vulnerability to sleep loss**
E.-M. Elmenhorst (Cologne, Germany)
- 16:54 - 17:06** **Nitric oxide modulation: a possible mechanistic approach to neuroprotective effect of Centella asiatica in sleep deprivation induced anxiety like behaviour and oxidative stress**
P. Chanana (Chandigarh, India)

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17:06 - 17:18	Sleep deprivation affects global brain reactivity but not global cortical connectivity G. Gaggioni (Liège, Belgium)
17:18 - 17:30	Neurofeedback training of the sensorimotor rhythm in insomnia does not change sleep-EEG parameters or sleep quality in the long term M.-T. Gnjezda (Salzburg, Austria)
17:30 - 17:42	Quality of life among untreated sleep apnea patients compared to the general population and changes after treatment with positive airway pressure E. Björnsdóttir (Reykjavik, Iceland)
17:42 - 17:54	Trajectories and stability of self-reported short sleep duration from adolescence to adulthood A.C.C. Hayley (Melbourne, Australia)
17:54 - 18:06	10 year exposure to short sleep, insomnia symptoms and salivary cortisol J.G.G. Abell (London, United Kingdom)
18:06 - 18:18	Sleep loss negatively affects employability and perceived leadership skills T. Sundelin (Stockholm, Sweden)
18:18 - 18:30	Sleep-wake pattern changes throughout 24-h from adolescence to early adulthood in former iron-deficiency anemic infants P. Peirano (Santiago, Chile)
08:30 - 10:30	03.11.2015, Round Table Round Table: How can mathematical models help sleep research? Chairs: P. Achermann (Zurich, Switzerland) A. Skeldon (Guildford, United Kingdom)
08:30 - 08:45	Introduction P. Achermann (Zurich, Switzerland)
08:45 - 09:15	A new dynamic: sleep/wake homeostasis and the effects of chronic sleep restriction on sleep and sleepiness H.P.P. Van Dongen (Spokane, United States)
09:15 - 09:45	Linking the adenosine system to cognitive performance under chronic sleep restriction using a physiological model A.J.J. Phillips (Boston, United States)
09:45 - 10:15	Adolescence to old age: possible mechanisms for changes in chronotype A. Skeldon (Guildford, United Kingdom)
10:15 - 10:30	Discussion

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11:00 - 13:00	03.11.2015, Symposium Symposium: Effective strategies to increase social awareness about sleep Chairs: P. Araujo (São Paulo, Brazil) M. Carskadon (Providence, United States)
11:00 - 11:30	The dialogue between sleep science and society: the key to expand public awareness P. Araujo (São Paulo, Brazil)
11:30 - 12:00	Sleep education inside schools M. Carskadon (Providence, United States)
12:00 - 12:30	Qualification of health professionals as a social and political awareness about sleep L.J. Kim (São Paulo, Brazil)
12:30 - 13:00	Sleep education to improve clinical outcomes in Sleep Medicine B. Izci-Balserak (Chicago, United States)
14:30 - 16:30	03.11.2015, Symposium Symposium: Long-term course of insomnia and treatment implication Chairs: C. Espie (Oxford, United Kingdom)
14:30 - 15:00	Cognitive factors in insomnia; conceptual and practical issues H. Cleland Woods (Glasgow, United Kingdom)
15:00 - 15:30	When to start and when to stop pharmaceutical treatment on chronic insomnia C. Nissen (Freiburg, Germany)
15:30 - 16:00	Diagnosis and treatment of insomnia in brain-injured patients M. Gardani (Glasgow, United Kingdom)
16:00 - 16:30	Achieving lasting outcomes using CBT for insomnia C. Espie (Oxford, United Kingdom)
18:00 - 18:30	03.11.2015, Opening/Closing Closing Chairs: P. Peigneux (Brussels, Belgium) O. Itil (Turkey) D.-J. Dijk (Guildford, United Kingdom)

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Hall C - Track 5 - Sleep And Neuro-psychiatric Disorders

09:00 - 12:30	31.10.2015, Teaching Course Teaching Course 1: Delivery and evaluation of cognitive and behavioral therapy for insomnia in children and adults Chairs: C. Morin (Québec, Canada) K. Spiegelhalder (Freiburg, Germany)
09:00 - 09:30	Diagnostic updates and conceptual models of insomnia K. Spiegelhalder (Freiburg, Germany)
09:30 - 10:00	Insomnia assessment K. Spiegelhalder (Freiburg, Germany)
10:00 - 10:30	Coffee Break
10:30 - 11:10	Overview of CBT and outcome evidence C. Morin (Québec, Canada)
11:10 - 11:50	Treatment implementation C. Espie (Oxford, United Kingdom)
11:50 - 12:30	Management of insomnia in children and adolescents M. Lecendreux (Paris, France)
13:30 - 17:00	31.10.2015, Teaching Course Teaching Course 4: Sleep and paediatrics Chairs: O. Bruni (Rome, Italy)
13:30 - 14:00	Pediatric insomnia: the role of sleep doctors and parents O. Bruni (Rome, Italy)
14:00 - 14:30	Diagnosis and management of parasomnias L. Nobili (Milan, Italy)
14:30 - 15:00	Restless Legs Syndrome: mimics and comorbidity A. Walters (Nashville, United States)
15:00 - 15:30	Coffee Break
15:30 - 16:00	A systemic approach to the management of sleep problems in children with neurodisability C. Hill (Southampton, United Kingdom)
16:00 - 16:30	Sleep and cognitive functioning in healthy children K. Hoedlmoser (Salzburg, Austria)

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16:30 - 17:00

Discussion and conclusion

11:00 - 12:00

01.11.2015, Round Table

Round Table: Restless Leg Syndrome: managing complex cases

Chairs:

P. Jennum (Glostrup, Denmark)

11:00 - 11:30

The problems of management

P. Jennum (Glostrup, Denmark)

11:30 - 12:00

The problems of comorbidity

Y. Dauvilliers (Montpellier, France)

12:15 - 13:15

01.11.2015, Satellite Symposium

Industry-sponsored symposium by Nox Medical

Beyond the AHI - Phenotyping and Individualized Therapies

Speakers:

Danny Eckert , PhD - Head, sleep research program, Neuroscience Research Australia (NeuRA) and Associate Professor, University of New South Wales, Australia.

Talk title: Towards individualized treatment for sleep apnea: Role of phenotypes and the importance of respiratory drive

Andrew Wellman, MD, PhD - Assistant Professor of Medicine, Harvard Medical School, Director, Sleep Disordered Breathing Lab, Brigham and Women's Hospital, USA

Talk title: The importance of respiratory drive in sleep apnea phenotyping: Clinical approaches and beyond the one size fits all model

13:30 - 15:30

01.11.2015, Symposium

Symposium: Update on type 1 narcolepsy

Chairs:

Y. Dauvilliers (Montpellier, France)

F. Han (Beijing, China)

13:30 - 14:00

Risk factors for type 1 narcolepsy: the chinese experience

F. Han (Beijing, China)

14:00 - 14:30

Clinical and neurophysiological pictures of primary vs secondary narcolepsies

G. Plazzi (Bologna, Italy)

Scientific Programme

- 14:30 - 15:00** **Pathogenesis of type 1 Narcolepsy: an update**
B.R. Kornum (Glostrup, Denmark)
- 15:00 - 15:30** **New perspectives for treatment of Narcolepsy**
Y. Dauvilliers (Montpellier, France)
- 17:00 - 18:00** 01.11.2015, Oral Session
Combined Oral Session: Insomnia: Predictors / Treatment and Sleep in Syndromic Children
Chairs:
C. Nissen (Freiburg, Germany)
C. Hill (Southampton, United Kingdom)
D. Karaeniz (Turkey)
- 17:00 - 17:12** **The modulation of arousal and sleep continuity by transcranial Direct Current Stimulation (tDCS) in healthy controls and patients with insomnia**
C. Nissen (Freiburg, Germany)
- 17:12 - 17:24** **Sleep oscillations at baseline predict responses to cognitive behavioral therapy for chronic insomnia**
A. Salimi (Montreal, Canada)
- 17:24 - 17:36** **Can digital CBT for insomnia address poor mental health? A cohort study within a UK mental health service**
A. Luik (Oxford, United Kingdom)
- 17:36 - 17:48** **Obstructive sleep apnea syndrome in muscular versus neuronal disorders in children: Duchenne muscular dystrophy and spinal muscular atrophy**
G. Benbir Senel (Istanbul, Turkey)
- 17:48 - 18:00** **Success rates and acceptability of domiciliary cardiorespiratory studies to screen for obstructive sleep apnoea in children with Down syndrome**
J. Gavlak (Southampton, United Kingdom)
- 08:30 - 10:30** 02.11.2015, Symposium
Symposium: Mental aspects of narcolepsy
Chairs:
M. Lecendreux (Paris, France)
- 08:30 - 09:00** **Comorbidity of type 1 narcolepsy and psychotic disorders**
F. Canellas (Mallorca, Spain)
- 09:00 - 09:30** **Eating disorders in narcolepsy**
C. Donjacour (Leiden, The Netherlands)
- 09:30 - 10:00** **Addiction in a narcolepsy family and in sporadic cases**
R. Peraita-Adrados (Madrid, Spain)

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14:00 - 15:00	02.11.2015, Video Session Video Session: Sleep, epilepsy and neurological diseases Chairs: G. Plazzi (Bologna, Italy)
14:00 - 14:15	Epileptic seizures during sleep S.A. Gibbs (Montreal, Canada)
14:15 - 14:20	Discussion G. Plazzi (Bologna, Italy)
14:20 - 14:35	Unusual NREM parasomnias in adults S. Eriksson (London, United Kingdom)
14:35 - 14:40	Discussion G. Plazzi (Bologna, Italy)
14:40 - 14:55	RBD mimics in neurodegenerative diseases G. Plazzi (Bologna, Italy)
14:55 - 15:00	Discussion G. Plazzi (Bologna, Italy)
16:30 - 18:30	02.11.2015, Symposium Symposium: Mood disorders, sleep-wake regulation and neurotransmitter receptor plasticity Chairs: D. Elmenhorst (Jülich, Germany) T. Paunio (Helsinki, Finland)
16:30 - 17:00	Neurotransmitter receptor plasticity related to sleep-wake regulation: the effect of sleep deprivation on human neurotransmitter receptors D. Elmenhorst (Jülich, Germany)
17:00 - 17:30	The neurochemical mechanisms in sleep-wake regulation and sleep homeostasis R. Basheer (West Roxbury, United States)
17:30 - 18:00	Genetic underpinnings of the relationship between sleep disturbances and depression T. Paunio (Helsinki, Finland)
18:00 - 18:30	Synaptic mechanisms of therapeutic sleep deprivation in major depression C. Nissen (Freiburg, Germany)

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08:30 - 10:30	03.11.2015, Joint Symposium Joint Symposium (WSF-WASM): Abnormal motor activity and behavior during sleep Chairs: C. Kushida (Redwood City, United States) T. Penzel (Berlin, Germany)
08:30 - 09:00	Ictal Spect in RBD G. Mayer (Marburg / Schwalmstadt-Treysa, Germany)
09:00 - 09:30	Sleep-related movement disorders: the contribution of genetics J. Winkelmann (Stanford, United States)
09:30 - 10:00	Idiopathic RBD: the transition to neurodegenerative disorders M. Mahowald (Minneapolis, United States)
10:00 - 10:30	Sleep-wake transitions and stability in RBD and Parkinson's disease P. Jennum (Glostrup, Denmark)
11:00 - 13:00	03.11.2015, Oral Session Sleep and Mental Health Chairs: T. Paunio (Helsinki, Finland) P. Philip (Bordeaux, France)
11:00 - 11:12	Poor sleep quality and depressive disorders in adolescents and young adults: a focus on inhibitory control ability M.L. Wong (Pokfulam, Hong Kong)
11:12 - 11:24	Cordance and REM density derived from REM sleep as biomarker for treatment response in depression after antidepressant medication - a follow-up study A. Steiger (Munich, Germany)
11:24 - 11:36	A randomised controlled trial evaluating the effect of adjunctive internet-delivered cognitive behavioural therapy insomnia program (CBTi) in older men with comorbid depression and insomnia N. Glozier (Sydney, Australia)
11:36 - 11:48	Are we overestimating the prevalence of depression in obstructive sleep apnoea? Meta-analytic evidence from questionnaire studies S. Nanthakumar (Perth, Australia)
11:48 - 12:00	Sleepiness, ADHD symptoms and accidental risk in 36140 regular registered highway drivers P. Philip (Bordeaux, France)
12:00 - 12:12	Adult ADHD symptomatology in an Irish-Romanian sample: the role of chronotype, social jet-lag, and sleep quality B. Voinescu (Cluj-Napoca, Romania)

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- 12:12 - 12:24** **Objective level of alertness and inhibitory control predict independently driving impairment in adults with attention deficit/hyperactivity disorder**
S. Bioulac (Bordeaux, France)
- 12:24 - 12:36** **Reduced sleep spindles as a mechanism of impaired sleep-related memory consolidation in schizophrenia**
R. Göder (Kiel, Germany)
- 12:36 - 12:48** **Markers of mental health: the role of sleep disruption as an antecedent to psychosis**
R. Purple (Oxford, United Kingdom)
- 12:48 - 13:00** **Genetic risk for psychosis is associated with nightly awakenings at 8 months in girls**
K. Kantojärvi (Helsinki, Finland)
- 14:30 - 16:30** 03.11.2015, Symposium
Symposium: NREM Parasomnias - mechanisms, clinical management and medicolegal aspects
Chairs:
C. Derry (Edinburgh, United Kingdom)
M. Mahowald (Minneapolis, United States)
- 14:30 - 15:00** **Pathophysiological mechanisms of NREM parasomnias**
C. Bassetti (Bern, Switzerland)
- 15:00 - 15:30** **The differential diagnosis between NREM parasomnias and sleep-related epilepsy: where are we now?**
C. Derry (Edinburgh, United Kingdom)
- 15:30 - 16:00** **Pharmacological treatment of NREM parasomnias. What is the evidence?**
S. Eriksson (London, United Kingdom)
- 16:00 - 16:30** **Non REM parasomnias and violence: clinical and medicolegal aspects**
M. Mahowald (Minneapolis, United States)

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Hall D - Track 1 - Sleep And Sleep Disorders In Children And Adolescents

08:30 - 12:00	31.10.2015, Teaching Course Teaching Course 2: Update on Diagnosis and Treatment of OSA Chairs: W. McNicholas (Dublin, Ireland)
08:30 - 09:15	Ambulatory Diagnosis of OSA - the way forward T. Penzel (Berlin, Germany)
09:15 - 10:00	CPAP therapy for OSA - the first weeks make all the difference T. Weaver (Philadelphia, United States)
10:00 - 10:30	Coffee Break
10:30 - 11:15	Newer modalities of CPAP therapy - which patients benefit? J.-L. Pepin (Grenoble, France)
11:15 - 12:00	Outcomes of CPAP therapy - the evidence M.R. Bonsignore (Palermo, Italy)
13:30 - 17:00	31.10.2015, Teaching Course Teaching Course 5: Year in review: exciting publications in basic and clinical sleep research and medicine Chairs: D.-J. Dijk (Guildford, United Kingdom)
13:30 - 14:00	New insights in the circadian regulation of human sleep: from slow waves to gene expression D.-J. Dijk (Guildford, United Kingdom)
14:00 - 14:30	Sleep and plasticity: what is new? R. Winsky-Sommerer (Guildford, United Kingdom)
14:30 - 15:00	Light and brain function: wakefulness and sleep S.L.L. Chellappa (Liège, Belgium)
15:00 - 15:30	Coffee Break
15:30 - 16:00	Correlates of Insomnia and its Symptoms in Adolescents and Adults T. Shochat (Haifa, Israel)
16:00 - 16:30	Narcolepsy and other central hypersomnias Y. Dauvilliers (Montpellier, France)
16:30 - 17:00	Discussion and conclusion

Scientific Programme

11:00 - 12:00	01.11.2015, Oral Session Sleep Disorder Breathing in Children Chairs: M. Aksu (Istanbul, Turkey)
11:00 - 11:12	Nocturnal hypoxia in high altitude native children - evidence of incomplete adaptation in children with mixed ancestry C. Hill (Southampton, United Kingdom)
11:12 - 11:24	Sleep characteristics and severity of central sleep apnea in children 6 to 24 months in a pediatric sleep laboratory C. Sendon (Norfolk, United States)
11:24 - 11:36	Residual OSA and snoring in children following adenotonsillectomy J. Di Pasquale (London, United Kingdom)
11:36 - 11:48	Prevalence of orthodontic treatment need and risk of sleep breathing disorder in a children and adolescent population of public oral health clinics in Sydney, Australia. PrIOR-CS: a clinical survey study B. Aras (Sydney, Australia)
11:48 - 12:00	A novel method to measure respiratory effort in adolescents, based on calibrated respiratory plethysmography (cRIP) D. Jonsson (Reykjavik, Iceland)
12:15 - 13:15	01.11.2015, Satellite Symposium Industry-sponsored symposium by Philips Respironics Ambulatory Management of Sleep Disordered Breathing Learning Objectives: 1. To review the management of patients with sleep disordered breathing 2. To discuss the scientific and technological advances in the diagnosis and treatment of sleep disordered breathing Chair: Prof. Walter McNicholas 12:15 – 12: 35 What - Clinical models of SDB care. Prof. Dr. Walter McNicholas - University College Dublin Proposed learning objectives: 1. Review the different clinical approaches to diagnosing and treating patients with sleep disordered breathing 2. Discuss the advantages and disadvantages of in-laboratory polysomnography and home sleep apnea testing 12:35 – 12:55 How - Advances in SDB Management. Fayçal Abdenbi, PhD – Philips Respironics Proposed learning objectives: 1. Review latest technologies related to Sleep studies and PAP therapies 2. Discuss APAP operational modes and long-term patient monitoring 12:55 – 13:15 When - Real world use of APAP. Prof. Dr. Clete A. Kushida - Stanford University Proposed learning objectives: 1. Discuss the indications and limitations of APAP therapy 2. Understand the factors that will promote more widespread acceptance of APAP therapy for sleep disordered breathing

Scientific Programme

13:30 - 15:30	01.11.2015, Symposium Symposium: Pathophysiology of sleep-dependent memory consolidation and cognition in children Chairs: K. Hoedlmoser (Salzburg, Austria) P. Peigneux (Brussels, Belgium)
13:30 - 14:00	Sleep-dependent qualitative and quantitative changes in memories across development P. Achermann (Zurich, Switzerland)
14:00 - 14:30	Sleep spindles in children: sleep-related learning state or trait? K. Hoedlmoser (Salzburg, Austria)
14:30 - 15:00	Kids learn fast. Sleep reorganizes memory-related plasticity processes in children C. Urbain (Toronto, Canada) P. Peigneux (Brussels, Belgium)
15:00 - 15:30	Nap slow wave activity and emotional reactivity in typically developing children and early ADHD R.S.S. Spencer (Amherst, United States)
02.11.2015, Oral Session	
08:30 - 09:30	Stress, Mood, Anxiety and Sleep in the Development Chairs: R. Silvestri (Messina, Italy)
08:30 - 08:42	Within-sleep auditory cueing rescues verbal neutral declarative learning from forgetting M. Gilson (Ixelles, Belgium)
08:42 - 08:54	Things that go bump in the night: frequency and predictors of nightmares in anxious and non-anxious children C. Alfano (Houston, United States)
08:54 - 09:06	Contribution of short and problematic sleep to internalizing and externalizing problems and wellbeing in adolescence: causality or genetic pleiotropy? M.C.C. Vermeulen (Amsterdam, The Netherlands)
09:06 - 09:18	#sleepyteens - is social media use related to sleep quality, self-esteem, anxiety and depression in adolescence? H. Cleland Woods (Glasgow, United Kingdom)
09:18 - 09:30	Classification of habitual sleep patterns and perceived sleep disturbance using latent class analysis in college-bound high school seniors: associations with sex and depressive mood T. Shochat (Haifa, Israel)

Scientific Programme

09:30 - 10:30	02.11.2015, Video Session Video Session: Sleep disorders in children Chairs: P. Peirano (Santiago, Chile)
09:30 - 09:50	Sleep disorders in children O. Bruni (Rome, Italy)
09:50 - 10:00	Discussion
10:00 - 10:20	Sleep disorders in children R. Peraita-Adrados (Madrid, Spain)
10:20 - 10:30	Discussion
11:00 - 13:00	02.11.2015, Joint Symposium Joint Symposium (IPSA): Restless Legs Syndrome (RLS) in childhood, periodic syndromes and migraine: new advances on pathophysiology and treatment Chairs: O. Bruni (Rome, Italy) Suggested treatment protocols and interventions for both RLS and Growing Pains R. Silvestri (Messina, Italy) RLS and growing pains A. Walters (Nashville, United States) Paediatric restless legs syndrome with or without growing pains: a twin family study D. Champion (Sydney, Australia) Pediatric RLS, migraine, periodic syndromes: a casual or causal association? O. Bruni (Rome, Italy)
14:00 - 15:00	02.11.2015, Oral Session Sleep Habits and Disorders from Infancy to Adolescence Chairs: O. Bruni (Rome, Italy)
14:00 - 14:12	Parental and child sleep at two years of age - results from the Ulm SPATZ health study J. Genuneit (Ulm, Germany)

Scientific Programme

- 14:12 - 14:24** **Sleep habits among middle and high school students in the Greek population**
A. Bonakis (Athens, Greece)
- 14:24 - 14:36** **Sleep patterns in children from obese and non-obese families and in relation to parental obesity, sleep and stress**
L. Xiu (Stockholm, Sweden)
- 14:36 - 14:48** **The long and short of adolescent sleep: the unique impact of day length**
K. Bartel (Adelaide, Australia)
- 16:30 - 17:30** 02.11.2015, Case Discussion
Case Discussion: Insomnia, sleep timing and depression in adolescents and young adults
Chairs:
C. Nissen (Freiburg, Germany)
- 16:30 - 16:50** **Acute-onset insomnia with sleep state misperception in early puberty: association with depressed mood**
T. Shochat (Haifa, Israel)
- 16:50 - 17:10** **Title to be confirmed**
C. Nissen (Freiburg, Germany)
- 17:10 - 17:30** **Insomnia, sleep timing and depression in adolescents: a case discussion**
L. Palagini (Pisa, Italy)
- 08:30 - 09:30** 03.11.2015, Oral Session
Sleep Functions and Pathologies in Rodents
Chairs:
P.-H. Luppi (Lyon, France)
R. Basheer (West Roxbury, United States)
- 08:30 - 08:42** **Evaluation of the effect of REM sleep reduction on the active avoidance learning in rats**
L. Maisuradze (Tbilisi, Georgia)
- 08:42 - 08:54** **Paradoxical sleep (REM sleep) homeostatic regulation in a mouse model of narcolepsy with cataplexy**
C. Peyron (Lyon, France)
- 08:54 - 09:06** **Hypersomniac feature in mice with high trait anxiety is due to an imbalance of orexin and melanin-concentrating hormone systems** □
M. Kimura (Munich, Germany)
- 09:06 - 09:18** **Characterisation of the emergence of sleep disturbances in the unpredictable chronic mild stress murine model of major depression**
M. Nollet (Guildford, United Kingdom)

Scientific Programme

09:18 - 09:30

Discussion

09:30 - 10:30

03.11.2015, Oral Session

Sleep Cognition in Children and Adolescence

Chairs:

P. Peirano (Santiago, Chile)

09:30 - 09:42

The effects of prolonged sleep restriction on adolescents' sustained attention, response times, and subjective sleepiness

A. Agostini (Adelaide, Australia)

09:42 - 09:54

Sleep restriction impairs vocabulary learning in adolescents: the need for sleep study

J. Gooley (Singapore, Singapore)

09:54 - 10:06

Working memory training in children with periventricular leukomalacia: insights from sleep electrophysiology

T. Banfi (Pisa, Italy)

10:06 - 10:18

The impact of sleep on 3-ball cascade juggling

K. Hoedlmoser (Salzburg, Austria)

10:18 - 10:30

Discussion

11:00 - 13:00

03.11.2015, Symposium

Symposium: Sleep and daytime function in developmental disorders

Chairs:

C. Hill (Southampton, United Kingdom)

11:00 - 11:30

Sleep and obstructive sleep apnoea - correlates with temperament and behaviour in 201 young children with Down syndrome

C. Hill (Southampton, United Kingdom)

11:30 - 12:00

Obstructive sleep apnoea and behavioural and emotional disturbances in adults with Down syndrome

E. Hill (Edinburgh, United Kingdom)

12:00 - 12:30

Defining the relation between sleep and the cognitive phenotype of individuals with Down syndrome: a lifespan developmental perspective

G. Spano (Tucson, United States)

12:30 - 13:00

Cross-syndrome comparison of sleep related learning in children with Williams syndrome and ADHD

F. Knight (London, United Kingdom)

Scientific Programme

	03.11.2015, Oral Session
14:30 - 16:30	Memory/Cognition and Sleep in Humans: What's Up? Chairs: P. Peigneux (Brussels, Belgium) S. Fogel (Montreal, Canada)
14:30 - 14:42	Emotion matters! effects of emotional prosody on stimulus processing across consciousness states C. Blume (Salzburg, Austria)
14:42 - 14:54	Targeted memory reactivation: the effects of cue type and acoustic match J.M.M. Sobczak (York, United Kingdom)
14:54 - 15:06	Sleep fosters encoding and consolidation of emotional memories regardless of REM presence N. Cellini (Padova, Italy)
15:06 - 15:18	Evidence for material-specific memory reprocessing during sleep in humans M. Schönauer (Tübingen, Germany)
15:18 - 15:30	Sleep spindles and intelligence: an update on the basis of large sample size studies M. Dresler (Nijmegen, The Netherlands)
15:30 - 15:42	Sleep deprivation impairs decision making in dynamically changing settings due to failure to process feedback information H.P.P. Van Dongen (Spokane, United States)
15:42 - 15:54	Auditory closed-loop stimulation of sleep slow oscillations in the middle-aged: investigating effects on associated memory functions J. Schneider (Manchester, United Kingdom)
15:54 - 16:06	Consistency of sleep effects on declarative and procedural memory performance in primary insomnia patients and 'insomnia mispercepts' D.J. Körner (Salzburg, Austria)
16:06 - 16:18	How to become an expert: a new perspective on the role of sleep in the mastery of procedural skills S. Fogel (Montreal, Canada)
16:18 - 16:30	Discussion Round

Scientific Programme

Hall E - Track 3 - Cardiovascular Health And Sleep Disordered Breathing

09:00 - 12:30	31.10.2015, Teaching Course Teaching Course 3: Current and novel treatments options in narcolepsy, parasomnias, RLS Chairs: P. Jennum (Glostrup, Denmark)
09:00 - 10:00	Parasomnias P. Jennum (Glostrup, Denmark)
10:00 - 10:30	Coffee Break
10:30 - 11:30	Narcolepsy Y. Dauvilliers (Montpellier, France)
11:30 - 12:30	RLS P. Jennum (Glostrup, Denmark)
13:30 - 16:00	31.10.2015, Teaching Course Teaching Course 6: New methodologies in basic sleep research (optogenetic, DREADDS, deep calcium imaging) Chairs: P.-H. Luppi (Lyon, France)
13:30 - 14:15	Optogenetic, DREADDS methodology C. Peyron (Lyon, France)
14:15 - 15:00	Multiunit multisites recordings V. Vyazovskiy (Oxford, United Kingdom)
15:00 - 15:30	Coffee Break
15:30 - 16:00	Discussion: are good old methods still useful? P.-H. Luppi (Lyon, France)
11:00 - 12:00	01.11.2015, Oral Session Cardiovascular Autonomic Modulation during Sleep in Different Populations Chairs: Y. Peker (Gothenburg, Sweden) R.S. Horne (Melbourne, Australia)

Scientific Programme

- 11:00 - 11:12** **Sleep and blood pressure in preschool children: results from the generation XXI birth cohort**
M. Goncalves (Porto, Portugal)
- 11:12 - 11:24** **Heart rate variability and sleep in preschool children**
R.S. Horne (Melbourne, Australia)
- 11:24 - 11:36** **Altered nighttime cardiac autonomic nervous system tone in otherwise healthy overweight adolescents**
R. Chamorro (Santiago, Chile)
- 11:36 - 11:48** **Correlation between severity of obstructive sleep apnea and prevalence of silent cerebrovascular lesions**
O. Tikhomirova (St Petersburg, Russian Federation)
- 11:48 - 12:00** **Absence of cardiovascular autonomic modulation during sleep in patients with acute ischemic stroke: an analysis of the SAS-CARE study cohort**
P. Proserpio (Milan, Italy)
- 12:15 - 13:15** 01.11.2015, Satellite Symposium
Industry-sponsored symposium by MSD
- Insomnia: The Role of Orexin in Overactive Wakefulness
- 12:15PM - 12:20PM
Welcome/Opening Remarks
Chair: Sonia Ancoli-Israel (USA)
- 12:20PM - 12:40PM
Hypocretin/Orexin: Central Regulator of Wake Signaling
Presenter: Luis de Lecea (USA)
- 12:40PM - 13:00 PM
Unique Aspects of Suvorexant Efficacy
Presenter: Tom Roth (USA)
- 13:00PM - 13:15PM
Q & A/Closing Remarks
Chair: Sonia Ancoli-Israel
- 13:30 - 15:30** 01.11.2015, Symposium
Board symposium: CPAP therapies in OSA
- Chairs:**
W. McNicholas (Dublin, Ireland)
T. Weaver (Philadelphia, United States)
- 13:30 - 14:00** **CPAP or APAP therapy for OSA - pros and cons**
C. Kushida (Redwood City, United States)

Scientific Programme

14:00 - 14:30	CPAP adherence T. Weaver (Philadelphia, United States)
14:30 - 15:00	CPAP for complex apnoea W. Randerath (Solingen, Germany)
15:00 - 15:30	CPAP comorbidities M.R. Bonsignore (Palermo, Italy)
17:00 - 18:00	01.11.2015, Round Table Round Table: What's new in cardiovascular control during sleep: from basic research to clinical implications Chairs: D. Eckert (Randwick, Australia) R.S. Horne (Melbourne, Australia)
17:00 - 17:15	Sleep and cardiovascular control before birth L. Bennet (Auckland, New Zealand)
17:15 - 17:30	Cardiovascular consequences of sleep disordered breathing during in infants and children R.S. Horne (Melbourne, Australia)
17:30 - 17:45	Interactions between sleep, hypoxia, arousal and CV control: From bench to bedside D. Eckert (Randwick, Australia)
17:45 - 17:50	Discussion Round
08:30 - 10:30	02.11.2015, Symposium Symposium: Sleep apnoea phenotypes: towards targeted therapies for sleep disordered breathing Chairs: D. Eckert (Randwick, Australia) J. Hedner (Gothenburg, Sweden)
08:30 - 09:00	Sleep apnoea pathophysiology: much more than an anatomical problem D. Eckert (Randwick, Australia)
09:00 - 09:30	Novel approaches to define the multiple causes of sleep apnoea A. Wellman (Boston, United States)
09:30 - 10:00	Selecting the right patients for oral appliance therapy P. Cistulli (Sydney, Australia)
10:00 - 10:30	The role of targeted pharmacological approaches to treat sleep apnoea J. Hedner (Gothenburg, Sweden)

Scientific Programme

	02.11.2015, Oral Session
11:00 - 12:00	Methodological Approaches to Assess Sleep in Normal and Pathological Conditions Chairs: T. Penzel (Berlin, Germany) M. Ozgoren (Turkey)
11:00 - 11:12	Sleep-wake detection using bed movement sensor J. Virkkala (Helsinki, Finland)
11:12 - 11:24	Comparison of sleep architecture and continuity measures obtained from polysomnography manual scoring versus heart rate and wrist movements automatic scoring A. Muzet (Rouffach, France)
11:24 - 11:36	Efficient automated sleep staging system with frontal electroencephalography and chin electromyography P.-L. Lee (Taipei, Taiwan)
11:36 - 11:48	Suprasternal pressure - a new method for the noninvasive evaluation of respiratory effort T. Penzel (Berlin, Germany)
11:48 - 12:00	Discussion
	02.11.2015, Oral Session
12:00 - 13:00	Sleep Apnea in Medical and Neurological Disorders Chairs: C. Bassetti (Bern, Switzerland) T. Weaver (Philadelphia, United States)
12:00 - 12:12	The interaction between sleep apnoea and metabolic syndrome on TNFα levels and sleepiness: a population-based study C. Hirotsu (São Paulo, Brazil)
12:12 - 12:24	Impact of sleep disturbances on glomerular filtration functioning in the elderly I. Jaussent (Montpellier, France)
12:24 - 12:36	Obstructive sleep apnoea in adults with Down syndrome: a cross-sectional prevalence study E. Hill (Edinburgh, United Kingdom)
12:36 - 12:48	Differential associations between quantitative electroencephalogram markers and memory performance in mild cognitive impairment: influence of obstructive sleep apnea N. Cross (Sydney, Australia)

Scientific Programme

- 12:48 - 13:00** **Sleep-disordered breathing in patients with acute stroke and transient ischemic attack: evolution and impact on outcome at 3 months (SAS-CARE study)**
S. Miano (Lugano, Switzerland)
- 02.11.2015, Oral Session
- 14:00 - 15:00** **CPAP Treatment of Sleep Disordered Breathing**
- Chairs:**
L. Grote (Gothenburg, Sweden)
E. Dabscheck (Pahran, Australia)
- 14:00 - 14:12** **Impact of CPAP on diastolic function in patients with coronary artery disease and obstructive sleep apnea: a randomized controlled trial**
Y. Peker (Gothenburg, Sweden)
- 14:12 - 14:24** **A randomised controlled trial of CPAP vs non-invasive ventilation for initial treatment of obesity hypoventilation syndrome**
E. Dabscheck (Pahran, Australia)
- 14:24 - 14:36** **Does CPAP treat depressive symptoms in OSA patients?**
Y. Mok (Sydney, Australia)
- 14:36 - 14:48** **Effects of CPAP on metabolic alterations in adipose tissue associated with OSA**
G. Trakada (Athens, Greece)
- 14:48 - 15:00** **Wireless telemonitoring at the commencement of CPAP therapy does not affect long-term efficacy or adherence to the treatment**
T. Saaresranta (Turku, Finland)
- 02.11.2015, Symposium
- 16:30 - 18:30** **Symposium: Non-CPAP Therapies for OSA**
- Chairs:**
W. McNicholas (Dublin, Ireland)
P. Strollo (Pittsburgh, United States)
- 16:30 - 17:00** **Hypoglossal nerve stimulation**
P. Strollo (Pittsburgh, United States)
- 17:00 - 17:30** **Weight loss in OSA - strategies and efficacy**
C.L.L. Phillips (Sydney, Australia)
- 17:30 - 18:00** **Oral appliance therapy**
P. Cistulli (Sydney, Australia)
- 18:00 - 18:30** **Positional therapy**
N. de Vries (Amsterdam, The Netherlands)

Scientific Programme

08:30 - 10:30	03.11.2015, Symposium Symposium: Hypertension in obstructive sleep apnoea. Mechanisms, epidemiology and treatment Chairs: C.L.L. Phillips (Sydney, Australia)
08:30 - 09:10	Mechanisms of hypertension in obstructive sleep apnea H. Schneider (Baltimore, United States)
09:10 - 09:50	Epidemiology of hypertension in Obstructive Sleep Apnoea. New findings from the ESADA database L. Grote (Gothenburg, Sweden)
09:50 - 10:30	Pharmacotherapy for hypertension in obstructive sleep apnoea: what are the best antihypertensive treatment approaches? C.L.L. Phillips (Sydney, Australia)
11:00 - 12:00	03.11.2015, Oral Session Pathophysiological Aspects of Sleep Disordered Breathing Chairs: D. Eckert (Randwick, Australia) M.R. Bonsignore (Palermo, Italy)
11:00 - 11:12	Respiratory sensation during wakefulness relates to the respiratory arousal threshold during sleep in obstructive sleep apnoea patients D. Eckert (Randwick, Australia)
11:12 - 11:24	Relationship between respiratory-related arousal intensity and physiological parameters J. Amatoury (Sydney, Australia)
11:24 - 11:36	The effect of acute morphine on awake ventilatory chemoreflexes in obstructive sleep apnea patients - a randomized double-blind crossover placebo-controlled trial D. Wang (Sydney, Australia)
11:36 - 11:48	Demonstration of autonomic dysfunction in obstructive sleep apnea syndrome by measuring sympathetic skin responses from neck area G. Benbir Senel (Istanbul, Turkey)
11:48 - 12:00	Neuropathy and myopathy of upper airway in snorers and obstructive sleep apnea patients correlates with pharyngeal dysfunction F. Shah (Umea, Sweden)

Scientific Programme

	03.11.2015, Oral Session
12:00 - 13:00	Medical Disorders and Sleep
	Chairs: M. Goncalves (Porto, Portugal)
12:00 - 12:12	Shape analysis of subcortical structures in idiopathic rapid eye movement sleep behavior disorder S. Rahayel (Montreal, Canada)
12:12 - 12:24	Prevalence of restless legs syndrome in patients with resistant hypertension: a cross-sectional, bi-centric cohort study R.M. Bruno (Pisa, Italy)
12:24 - 12:36	Self-reported nocturnal gastroesophageal reflux predicts the presence of obstructive sleep apnea syndrome S. Dumitru (Neo Faliro, Greece)
12:36 - 12:48	Quality of sleep, night respiration and chronotype in patients with Bardet-Biedl syndrome E. Ruppert (Strasbourg, France)
12:48 - 13:00	Objective and subjective sleep comparisons in patients with fibromyalgia syndrome, osteoarthritis and healthy controls W.K. Yeung (Loughborough, United Kingdom)
	03.11.2015, Symposium
14:30 - 16:30	Symposium: Nonapneic snoring and adverse health effects
	Chairs: T. Penzel (Berlin, Germany) E. Svanborg (Linköping, Sweden)
14:30 - 15:00	Snoring, daytime symptoms and health consequences E. Svanborg (Linköping, Sweden)
15:00 - 15:30	Snoring and daytime sympathovagal balance T. Penzel (Berlin, Germany)
15:30 - 16:00	Gender difference in the relationship between snoring and carotid atherosclerosis J. Kim (Philadelphia, United States)
16:00 - 16:30	Snoring during pregnancy. Increased risk for pre-eclampsia, restless legs and depressed mood? E. Svanborg (Linköping, Sweden)

Scientific Programme

Hall Galata - Symposium Turkish SMS

09:00 - 09:15	02.11.2015, Symposium Turkish SMS Opening Speech Chairs: O. Itil (Turkey)
09:15 - 10:00	02.11.2015, Symposium Turkish SMS Opening Conference: New Treatment Modalities in Insomnia Chairs: S. Ardiç (Istanbul, Turkey)
10:30 - 12:30	02.11.2015, Symposium Turkish SMS Symposium Turkish SMS: Panel 1: Epidemiology of sleep among the working population Chairs: O. Erdiç (Istanbul, Turkey) T. Atay (Istanbul, Turkey)
10:30 - 11:00	Sleep Depth and Consequences A.U. Demir (Ankara, Turkey)
11:00 - 11:30	Work related accident and Sleep S. Ardiç (Istanbul, Turkey)
11:30 - 12:00	Sleep and Shift Work Disorders İ. Öztura (Izmir, Turkey)
12:00 - 12:30	Oral Presentations Chairs: Dr. Sadık Ardiç - Dr. Sinan Yetkin
13:30 - 17:00	02.11.2015, Symposium Turkish SMS Symposium Turkish SMS: Panel 2: RLS treatment and challenges Chairs: S. İsmailoğulları (Istanbul, Turkey) H. Aydın (Turkey)
13:30 - 14:00	Clinical and Epidemiological Aspects of RLS S. İsmailoğulları (Istanbul, Turkey)

Scientific Programme

14:00 - 14:30	First Line Treatment of RLS M. Aksu (Istanbul, Turkey)
14:30 - 15:00	New Horizons in Pathogenesis of RLS: TMS Studies and Neurophysiological Evidence K. Aslan (Istanbul, Turkey)
15:00 - 15:30	Secondary RLS: Is it a different disease than primary RLS D. Karadeniz (Istanbul, Turkey)
15:30 - 16:00	Coffee Break
16:00 - 17:00	Oral Presentations Chairs: Dr. Hikmet Yılmaz - Dr. Özen Kaçmaz Başoğlu
11:00 - 12:00	03.11.2015, Symposium Turkish SMS Symposium Turkish SMS: Panel 3: Forensic sleep medicine Chairs: B. Salepçi (Istanbul, Turkey) E. Gözükırmızı (Istanbul, Turkey)
11:00 - 11:30	Daytime Consequences of SDB G. Benbir (Istanbul, Turkey)
11:30 - 12:00	Sleep Related Violence B. Baklan (Izmir, Turkey)
13:30 - 15:30	03.11.2015, Symposium Turkish SMS Symposium Turkish SMS: Panel 4: Update in SRBD Chairs: S. Derman (Istanbul, Turkey) F. Özgen (Ankara, Turkey)
13:30 - 14:00	New Aspects in Pathogenesis of SRBD O. İtil (Turkey)
14:00 - 14:30	New Diagnostic Modalities in SRBD Z.Z. Uçar Hoşgör (Izmir, Turkey)
14:30 - 15:00	The Complications of SRBD C. Kirişoğlu (Ankara, Turkey)
15:00 - 15:30	New Treatment Modalities in SRBD H. Fırat (Turkey)

Scientific Programme

Poster Area

01.11.2015, Poster

Poster Session 1

Types and prevalence of insomnia and parasomnia in school children in the city center of Trabzon, Turkey

F. Sonmez (Ankara, Turkey)

The association between self-reported sleep duration and Body Mass Index in Korean adolescents

Y.-J.G.G. Lee (Seoul, Republic of Korea)

Genetic risk for psychosis is associated with nightly awakenings at 8 months in girls

K. Kantojärvi (Helsinki, Finland)

Epigenetic dysregulation of genes related to synaptic long term depression among adolescents with depressive disorder and symptoms of insomnia

A.S.S. Urrila (Helsinki, Finland)

Children at risk for sleep disordered breathing in a national Romanian study

M. Oros (Bucharest, Romania)

Pediatric obstructive sleep apnea: otorhinolaryngology approach

I.M.M. Moura (Lisbon, Portugal)

Night to night variability of home nocturnal pulse oximetry

M. Davies (Southampton, United Kingdom)

Primary nocturnal enuresis, assessment of sleep and ADH secretion patterns

L. Afifi (Cairo, Egypt)

"How do you sleep?" Sleep as reflected in self figure drawings of young adolescents living in residential care facilities compared to those living at home

T. Shochat (Haifa, Israel)

Effects of sleep on early cognitive development in young children with Down syndrome

F. Knight (London, United Kingdom)

The dynamics of cortical network activity during non-rapid eye movement sleep in early and late adulthood mice

L.E.E. McKillop (Oxford, United Kingdom)

Which physical exercise before sleeping

N. Bessot (Caen, France)

Association between chronotype and suicidal ideation in medical students

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Gender-related alterations in cortisol and subjective well-being under moderately bright light during 40-h of sustained wakefulness

A.U.U. Viola (Strasbourg, France)

Scientific Programme

How is sleep and mood affected by ocular deficits?: A case series study

I. Alexander (Oxford, United Kingdom)

Association between morningness/eveningness, addiction severity and psychiatric disorders among individuals with addictions

J. Taillard (Bordeaux, France)

Biological and psychological evaluation of performance markers

C. Reis (Lisbon, Portugal)

Concordance of sleep duration questions and sleep diaries from an internet survey

C.J.J. Gordon (Camperdown, Australia)

Effect of age and chronotype on kinetics of sleep pressure build-up

J. Taillard (Bordeaux, France)

A six-year sleep lab experience in an Egyptian university hospital

M. Yousif (Shebin Elkom, Egypt)

Exploring the relationship between sleep and emotion in daily life: a pilot study

A. Ballesio (Rome, Italy)

Evening typology and morning tiredness associates with low leisure time physical activity and high sitting

H. Wennman (Helsinki, Finland)

Effects of napping on impulse control

U. Faraguna (Pisa, Italy)

Effects of Dusk-dawn simulation light on daytime cognitive performance, mood, alertness and night sleep in young people

Y. Zhu (Guangzhou, China)

Nocturnal sleep and circadian sleep wake pattern in adult subjects with Down syndrome (DS)

S. Giménez Badia (Barcelona, Spain)

Prevalence of daytime sleepiness and its related factors in patients attending in primary care center in Qazvin, Iran

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Combined effects of alcohol and sleep deprivation on driving simulator performance using the alcohol clamp method

J. Gooley (Singapore, Singapore)

Beneficial effect of morning light after one night of sleep deprivation

A.U.U. Viola (Strasbourg, France)

Blue-enriched white light and bright light: effects on physiological arousal, mood and cognitive performance in nap-deprived healthy students

T. Ru (Guangzhou, China)

Sleep loss negatively affects employability and perceived leadership skills

T. Sundelin (Stockholm, Sweden)

Scientific Programme

Performance and alertness after combined exposure to chronic and acute sleep loss and circadian misalignment

E.-M. Elmenhorst (Cologne, Germany)

Assessing the impact of physical activity on sleep outside clinical setting using data from a large population of connected devices users

A. Chieh (Issy-les-Moulineaux, France)

The alleviating role of ambient illumination to the negative effects of evening use of eReaders on sleep and next-morning alertness

Q. Chen (Guangzhou, China)

The effect of different sitting posture during short sleep on recovery from fatigue

K. Shioda (Kanagawa, Japan)

Lipoprotein-associated phospholipase A2 levels as a predictor of cardiovascular risks in patients with COPD and obstructive sleep apnea

M. Yousif (Shebin Elkom, Egypt)

Effects of CPAP on metabolic alterations in adipose tissue associated with OSA

G. Trakada (Athens, Greece)

Incidence and prevalence of temporomandibular disorders in patients with mandibular advancement device treatment for obstructive sleep apnea

P. Mayoral Sanz (Madrid, Spain)

Obstructive sleep apnea diagnosis and treatment in relation to cancer survival: a retrospective cohort study

F.J. Nieto (Madison, United States)

CPAP therapy induces favorable short-term changes in epicardial fat thickness, vascular and metabolic markers in apparently healthy subjects with obstructive sleep apnea hypopneas syndrome (OSAHS)

K. Kostopoulos (Athens, Greece)

Treatment of obstructive sleep apnea syndrome (OSAS) with mandibular advancement devices (MAD)

F.J. Puertas (Alzira, Spain)

The influence of the amount of degree of vertical opening in the application of mandibular advancement device for obstructive sleep apnea patients

P. Mayoral (Madrid, Spain)

Effect of tonsillectomy on obstructive sleep apnea

T. Holmlund (Umeå, Sweden)

Sleep habits and related factors in patients who underwent cardiac surgery

B. Akinci (Istanbul, Turkey)

The effect of morphine on obstructive sleep apnoea - a randomized double-blind placebo-controlled crossover trial

D. Wang (Sydney, Australia)

Sleep and quality of life in ARDS survivors

C. Alexopoulou (Heraklion, Greece)

Scientific Programme

A comparison of the clinical and polysomnographic profile of patients with chronic kidney disease (CKD) stage 3/4/5 with patients on maintenance haemodialysis (HD)

S. Venkateswaran (Singapore, Singapore)

Sleep status of non-sedated critically ill patients

S.J. Kim (Seongnam-si, Republic of Korea)

A case of adult respiratory depression during sleep after oral tramadol intake

Y.B.B. Kaptan Cikirikcioglu (Geneva, Switzerland)

Sensor for apnea classification and detection

G. Baffet (Sainte Gemmes sur Loire, France)

The sensitivity and specificity of the STOP-Bang questionnaire for identifying obstructive sleep apnea in Polish population

H. Martynowicz (Wroclaw, Poland)

Challenges of modified stop bang questionnaire regarding evaluation of obstructive sleep apnea syndrome in participants to driving schools from Cluj District, Romania

D.A.A. Todea (Cluj-Napoca, Romania)

Rethinking AASM guideline for split-night polysomnography in Asian patients with obstructive sleep apnea

D.-K. Kim (Chuncheon, Republic of Korea)

Evaluation of autonomic function in patients with obstructive sleep apnea syndrome

D. Ilhan Algin (Eskisehir, Turkey)

Comparing a portable sleep apnea screener with standard polysomnography in sleep clinic patients

Z.B. Alemohammad (Tehran, Islamic Republic of Iran)

Comparison between new generation pacemakers and polysomnography in sleep apnea diagnosis

M. Dias (Vila Nova de Gaia, Portugal)

Criticizing STOP-BANG questionnaire elements as a legal tool for screening obstructive sleep apnea in Iranian commercial drivers

K. Sadeghniaat-Haghighi (Tehran, Islamic Republic of Iran)

Detection of central and obstructive apnea events using the photoplethysmography signal

P. de Chazal (Sydney, Australia)

Validation of a new method to assess respiratory effort non-invasively

M. Serwatko (Reykjavik, Iceland)

Interscorer reliability in detecting sleep related respiratory events in chronic hypoventilation treated with non-invasive ventilation

S. Aarrestad (Oslo, Norway)

Histamine transmission impacts on the comorbidity spectrum of murine narcolepsy caused by orexin neuron deficiency

A. Silvani (Bologna, Italy)

Scientific Programme

Effects of roost site on sleep architecture in pigeons (*Columba livia*)

R.K.K. Tisdale (Seewiesen, Germany)

A pharmacological screen to evaluate the influence of immediate early signaling pathways on local sleep

A. Spinnler (Zurich, Switzerland)

Cholinergic basal forebrain structures are not essential for the mediation of the arousing action of glutamate

Z. Lelkes (Szeged, Hungary)

Dopamine and glutamate release during resting wakefulness in the anterior default system

T. Kodama (Tokyo, Japan)

Hypoglycemia and disturbances of sleep-waking cycle in rats

E. Chijavadze (Tbilisi, Georgia)

Sleep duration

A.A.A. Gonfalone (Saint Marcellin lès Vaison, France)

Mild damage to arousal structures of the mesopontine tegmentum in traumatic brain injury

P.O.O. Valko (Zurich, Switzerland)

The opioid system and sleep-wakefulness cycle in “depressive” and “non-depressive” rats

M. Nemsadze (Tbilisi, Georgia)

Effects of sleep vs. simple passage of time on insight problem solving

S.B.B. Brodt (Tübingen, Germany)

Neurofeedback for improving sleep and memory in primary insomnia - a double-blind EEG study

M. Schabus (Salzburg, Austria)

Daytime light exerts direct non circadian positive effects on mood through melanopsin-based phototransduction

L. Calvel (Strasbourg, France)

Comparison of slow wave activity between recovery nights after acute sleep deprivation and after chronic sleep restriction

A. Maric (Zurich, Switzerland)

Sleep pattern changes in the third trimester of pregnancy

S. Carvalho Bos (Coimbra, Portugal)

Chronotype and sleep quality in elite athletes

L. Gupta (Loughborough, United Kingdom)

Sleep regulation: effect of sleep restriction and extension

J. Skorucak (Zurich, Switzerland)

Sleep deprivation distinctly affects visual and auditory conflict resolution scores of attention network

A.S.S. Karunajeewa (Geneva, Switzerland)

Scientific Programme

Within-sleep auditory cueing rescues verbal neutral declarative learning from forgetting

M. Gilson (Ixelles, Belgium)

The role of REM-sleep in emotional memory processing: differing effects on item and source memory?

R. Sopp (Saarbruecken, Germany)

Stimulating sensory experience of motor skills during sleep hampers improvement

S.I.R.I.R. Pereira (Curitiba, Brazil)

Volatile coffee components on memory in sleep deprived students

J.A.A. Moo Estrella (Mérida, Mexico)

What is the relationship between variation of sleep duration and emotion recognition ability?

T. Sundelin (Stockholm, Sweden)

Altered regional brain activity in patients with psychophysiological insomnia to sleep-related stimuli

Y.-J.G.G. Lee (Seoul, Republic of Korea)

Wake high-density EEG spatio-spectral signatures of insomnia: more beta and less high-alpha

M. Colombo (Amsterdam, The Netherlands)

Heartbeat-evoked potentials indicate interoceptive hypersensitivity in insomnia

Y. Wei (Amsterdam, The Netherlands)

Sleep microarchitecture in chronic primary insomnia

A. Salimi (Montreal, Canada)

High prevalence of DSM-5/ICSD-3 insomnia, self-reported sleep problems and hypnotic use in patients visiting their general practitioner

B. Bjorvatn (Bergen, Norway)

A descriptive study of insomnia between 6 and 12 year old children who admitted to department of pediatrics

F. Sonmez (Ankara, Turkey)

Prevalence of insomnia and its related factors in healthy adults

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Effects of individualized aerobic exercise on sleep among overweight Finnish men with chronic insomnia

X. Tan (Shanghai, China)

Neurofeedback training of the sensorimotor rhythm in insomnia does not change sleep-EEG parameters or sleep quality in the long term

M.-T. Gnjezda (Salzburg, Austria)

Effects of diaphragmatic breathing, progressive muscle relaxation and guided imagery on sleep, perceived stress, and cortisol salivary levels in primary insomnia sufferers: a randomized controlled trial

A. Konsta (Athens, Greece)

Scientific Programme

Role of physiotherapy in improving poor sleep quality in students

Z. Veqar (New Delhi, India)

Effect of a heavy (“weighted”) blanket on sleep in insomniacs

G. Badre (Gothenburg, Sweden)

A screening tool to evaluate sexsomnia in legal cases

J. Hetta (Stockholm, Sweden)

Haloperidol-induced sleepwalking: a case report

A. Aşkar (Kahramanmaraş, Turkey)

Risperidone-induced somnambulism

N. Yigitbasi (Kahramanmaraş, Turkey)

Shape analysis of subcortical structures in idiopathic rapid eye movement sleep behavior disorder

S. Rahayel (Montreal, Canada)

Electroencephalographic changes in idiopathic REM sleep behavior disorder without mild cognitive impairment

Y.R. Bang (Gyeonggi-do, Republic of Korea)

A quantitative study of REM without atonia in healthy sleep

S.-H. Baek (Seongnam, Republic of Korea)

Paroxysmal agitated sleep-related episodes in adolescents and adults: atypical NREM parasomnias or sleep-related seizures? A clinical and video-polysomnographic study

G. Didato (Milan, Italy)

Psychological treatment for chronic nightmares - randomized controlled trial with two active treatments and wait-list control

S. Jernelöv (Stockholm, Sweden)

Migraine and REM sleep behaviour disorder

N. Helvacı Yılmaz (Istanbul, Turkey)

Association between dysfunctional beliefs and attitudes about sleep and insomnia in three groups of psychiatric patients

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Utility of polysomnography in the evaluation of non REM parasomnias - assessing evidence for trigger factors

N. Baskaralingam (London, United Kingdom)

REM sleep without atonia (RSWA): which sleep disorders are associated with RSWA other than REM sleep behavior disease?

H.Ö.Ö. Dede (Istanbul, Turkey)

Pain in sleepwalking: a clinical enigma

R. Lopez (Montpellier, France)

The new ICSD-3 MSLT/PSG criteria for the diagnosis of narcolepsy will not increase frequency of narcolepsy diagnosis

P. Geisler (Regensburg, Germany)

Scientific Programme

A case report of narcolepsy, presenting with leading symptom - frequent vivid hypnagogic hallucinations

K.V.V. Terziyski (Plovdiv, Bulgaria)

Post vaccination narcolepsy-cataplexy

U. Kallweit (Bern, Switzerland)

Narcolepsy in elderly: case-control study

P. Kovalska (Prague, Czech Republic)

Description of a Portuguese narcoleptic population

A. Viegas (Lisbon, Portugal)

Correlation of patient and clinical global impression of change in disease status in a clinical trial of JZP-110 for the treatment of narcolepsy

J. Black (Palo Alto, United States)

Intermediate decline of CSF orexin (hypocretin) and significant obesity in Prader-Willi syndrome patients compared with narcolepsy and idiopathic hypersomnia

T. Kanbayashi (Akita, Japan)

Transcranial direct current stimulation (tDCS) improves vigilance and daytime sleepiness in a patient with organic hypersomnia following reanimation

C. Nissen (Freiburg, Germany)

Clinical and polysomnographic determinants of sleepiness in a South East Asian population

R. Siti Nur Zakiah (Singapore, Singapore)

A probable case of recurrent hypersomnia presenting repeated stupor episodes

T. Kitajima (Toyoake, Japan)

Positive sleep misperception in idiopathic hypersomnia?

A. Rodenbeck (Bovenden, Germany)

Prospective study of factors predicting diurnal hypersomnia in myotonic dystrophy type 1 (DM1)

L. Laberge (Saguenay, Canada)

Excessive daytime sleepiness as the presenting symptom of myotonic dystrophy type 1

M. Otto (Aarhus, Denmark)

Atypical NREM sleep EEG synchronization in Williams syndrome

F. Gombos (Budapest, Hungary)

02.11.2015, Poster

Poster Session 2

Overweight children and sleep quality: is there a link?

H.C.C. Loureiro (Lisbon, Portugal)

Scientific Programme

Effect of infant sleep arrangement on sleep pattern, feeding methods and parental sleep quality

S.-C. Chung (Taoyuan, Taiwan)

Sickle cell disease: genetics and sleep

H.C.C. Loureiro (Lisbon, Portugal)

Heart rate variability during sleep in Duchenne muscular dystrophy and spinal muscular atrophy

G. Benbir Senel (Istanbul, Turkey)

Remains after tonsillectomy in children with obstructive sleep apnea syndrome residual apnea-hypopnea index?

M. Ondrová (Brno, Czech Republic)

Ineffective task-induced cerebral oxygenation in adolescents during chronic sleep deprivation in real-life condition

R. Khatami (Barmelweid, Switzerland)

Validation of the LEOSound®-monitor for standardized detection of cough and wheezing in children

M. Scholtes (Giessen, Germany)

The prevalence of sleep disorders in Thai children underwent polysomnography in tertiary care hospital

M. Veeravigrom (Bangkok, Thailand)

Multifactorial secondary periodic leg movements and restless legs syndrome in an infant. A case report

C. Soria (Madrid, Spain)

The effect of continuous positive airway pressure treatment in obstructive sleep apnoea patients on obesity and insulin sensitivity parameters

M. Hobzova (Olomouc, Czech Republic)

Assessment of maintenance of effect of tasimelteon in totally blind individuals with non-24-hour sleep-wake disorder - RESET study

M. Dressman (Washington, United States)

Altered distribution of resting periods of daily locomotor activity in circadian rhythm sleep disorder subjects

M. Hirose (Toyoake, Japan)

Comparison of sleep parameters and resilience between shift-work and non shift-work nurses

S.C. Hong (Suwon, Republic of Korea)

Characterisation of the circadian rhythm and sleep aberrations in Smith-Magenis syndrome patients

P. Baroldi (Washington, United States)

Pharmacokinetic characteristics of tasimelteon

R. Torres (Washington, United States)

Scientific Programme

Clinical, neurophysiological and circadian patterns of patients with late/irregular sleep wake schedules

T. Paiva (Lisbon, Portugal)

Insomnia and sleep quality in patients suffering from chronic low back pain: a case-control study

M. Abbasi (Qazvin, Islamic Republic of Iran)

Relationship between sleep hygiene practices and sleep quality in professional drivers

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Circadian assessment of wrist skin temperature in healthy subjects with different chronotypes

P. Baier (Kiel, Germany)

The association of morningness-eveningness with anger and impulsivity in the general population

Y.-J.G.G. Lee (Seoul, Republic of Korea)

Self-reported sleep characteristics: data from the cohort population study ESSE-RF (Russia)

M. Bochkarev (Saint-Petersburg, Russian Federation)

Sleep duration and quality in low and middle income countries - a systematic review and meta-analysis

N. Glozier (Sydney, Australia)

Bed or hammock for better sleep quality and physical activity

J.A.A. Moo Estrella (Mérida, Mexico)

Sleep quality and anxiety in patients with chronic illness a qualitative study

M. Kemple (Dublin, Ireland)

Relationships between sleep patterns and BMI among older adults ages 70 and above

G. Sheffer Hilel (Tel-Hai, Israel)

Advantage of REM sleep imaging in the detection of amnesic mild cognitive impairment

P. Brayet (Montreal, Canada)

The sleep of older men and women with chronic leg ulcers: an overlooked health problem?

A. Hellström (Kalmar, Sweden)

Vulnerability of sleep-dependent thalamo-cortical circuits to early stages of neurodegeneration

J.L. Cantero (Seville, Spain)

Sleep profiles and cognitive function in adults with mild cognitive impairment in comparison to cognitively healthy adults and moderate Alzheimer's disease patients

K. Wulff (Oxford, United Kingdom)

Relationship between different chronotype and academic achievement in medical students

Z. Yazdi (Qazvin, Islamic Republic of Iran)

High rates of polypharmacy in a sleep lab population: a retrospective hospital audit

V. Coe (Adelaide, Australia)

Scientific Programme

Sleep complaints, sleep habits and their association with academic performance among medical students in Armenia

A. Karamyan (Yerevan, Armenia)

Are pets in the bedroom beneficial or detrimental?

L. Krahn (Scottsdale, United States)

Noise sensitive persons are more likely to have sleep problems

W. Hofman (Amsterdam, The Netherlands)

The risk of sleep disorders in Korean cancer patients

H. Lee (Seoul, Republic of Korea)

Explore the relationships between energy intake and sleep quality in type 2 diabetes adults

C.-P. Kuo (Taichung, Taiwan)

Artificial neural networks combined with permutation entropy - a promising approach for sleep staging in healthy individuals and patients with DOC

T. Wielek (Salzburg, Austria)

Social addiction in women referred to a sleep lab - retrospective study

M.J.J. Matos (Coimbra, Portugal)

Activity monitor assessment of sleep in pulmonary artery hypertension patients

B. Akinci (Istanbul, Turkey)

Gender differences in patients with obesity hypoventilation syndrome: a prospective observational study

A.S.S. BaHammam (Riyadh, Saudi Arabia)

Association of erythrocyte sedimentation rate & C-reactive protein levels and the severity of obstructive sleep apnea

K. Sadeghniaat-Haghighi (Tehran, Islamic Republic of Iran)

RDW, MPV, PDW parameters and disease severity relationship in patients with obstructive sleep apnea syndrome

S. Demir (Ankara, Turkey)

Correlation between severity of obstructive sleep apnea and prevalence of silent cerebrovascular lesions

O. Tikhomirova (St Petersburg, Russian Federation)

Sleep disorders in motor neuron diseases

G. Benbir Senel (Istanbul, Turkey)

Risk of obstructive sleep apnea in patients with chronic kidney disease on hemodialysis

I.R.R. Santos (São Paulo, Brazil)

The sleep apnea in copper smelter exposed occupationally to lead. The preliminary study

H. Martynowicz (Wroclaw, Poland)

A case of obstructive sleep apnea due to nasal tumor

D.C. Lee (Dea-jeon, Republic of Korea)

Scientific Programme

Neurovascular reactivity in patients with obstructive sleep apnea

G. Tekgol Uzunur (Eskisehir, Turkey)

Association between sleep apnea severity and blood hemorheology

A. Chikadze (Tbilisi, Georgia)

Obstructive sleep apnea phenotypes: a cluster analysis

M. Destors (Grenoble, France)

Prevalence of type 2 diabetes mellitus and associated risk factors among obstructive sleep apnoea patients

M.A.A. Ibrahim (Sungai Buloh, Malaysia)

Quality of life in obstructive sleep apnea: a role for oxygen desaturation indices?

W. Huang (Singapore, Singapore)

Prevalence of sleep disordered breathing in orthodontic patients: an Australian experience

D.J.J. Papadopoulos (Kogarah, Australia)

Oral appliances for the treatment of sleep apnoea - guidelines and collaboration sleep physician - dentist

S. Schwarting (Kiel, Germany)

Effect of continuous positive airway pressure on endothelial nitric oxide production in obstructive sleep apnea

E. Shaf (Kemerovo, Russian Federation)

Efficacy of single-stage multilevel upper airway surgery in patients with severe OSA

A. Bostanci (Antalya, Turkey)

Effect of CPAP treatment on endothelial function, inflammatory markers, blood pressure and glucose control in patients with OSAS with emphasis on gender differences

A. Kallianos (Athens, Greece)

Long term effects of compliance with positive airway pressure (PAP) therapy in patients with obesity hypoventilation syndrome (OHS)

S.E.E. Schiza (Heraklion, Greece)

Positional sleep apnea: the difficulty of adherence to therapy

M.J.J. Matos (Coimbra, Portugal)

The role of compliance with PAP use on blood pressure in patients with obstructive sleep apnea: is longer use a key-factor?

S.E.E. Schiza (Heraklion, Greece)

4 year follow-up of treatment with dental appliance in patients with obstructive sleep apnea

P. Mayoral Sanz (Madrid, Spain)

Therapy of OSA by oral appliance SomnoDent® and by Continuous Positive Airway Pressure - results of a comparative study

T. Penzel (Berlin, Germany)

Sleep-like behaviour in a sensitive plant (Mimosa Pudica)

U. Faraguna (Pisa, Italy)

Scientific Programme

Prazosin blunts sleep-related changes of arterial blood pressure in mice

A. Silvani (Bologna, Italy)

Behavioral and wireless electrophysiological characterization of sleep in a lizard, the Argentine Tegu (*Tupinambis meriana*)

P.-A. Libourel (Lyon, France)

D-amino acid oxidase (DAAO, DAO) knockout mice show increased EEG gamma oscillations associated with cognitive function

S. Hasan (Oxford, United Kingdom)

Cortical evoked responses to cardiac activity in the sleep-wake cycle in cats

V. Lavrova (Moscow, Russian Federation)

Peripubertal diet-induced obesity programs sleep disturbances by affecting serotonergic signaling in the brain

M. Kimura (Munich, Germany)

Serial activations of lateral and perifornical hypothalamic orexin-containing neuronal region lead to elevation of CSF OrexinA content, shorten anesthesia time and fasten recovery of normal sleep cycles from barbiturate anesthesia induced sleep

N. Maglakelidze (Tbilisi, Georgia)

Development of animal model of depression by new approach intended to induce early postnatal malfunctioning of brain muscarinic cholinergic system leading to its lasting adult super-sensitivity

N. Nachkebia (Tbilisi, Georgia)

Intracerebral recordings of slow wave and rapid eye-movement sleep in naturally sleeping pigeons

J. van der Meij (Seewiesen, Germany)

Differential firing of neurons recorded in the hippocampus and related cortical structures during naturally sleep-wake cycle

P.-H. Luppi (Lyon, France)

Limbic-pontine mechanisms inducing blood pressure fluctuation during REM sleep

Y. Koyama (Fukushima, Japan)

Sleep episodes dynamics in the rat model of Parkinson's disease cholinergic neuropathology

J. Petrovic (Belgrade, Serbia)

Time variant spindle dynamics using statistical signal analysis

A. Kumar (Amsterdam, The Netherlands)

Sleep communication

K. Appel (Osnabrück, Germany)

How fast do cognitive functions return to normal in the awakening brain?

J. Axelsson (Stockholm, Sweden)

Automatic threshold-free sleep spindle detection in EEG recordings

D. Coppieters 't Wallant (Liège, Belgium)

Scientific Programme

Modeling K-complexes and sleep spindles as evoked responses using physiologically based neural field theory

M.S.S. Zobaer (Sydney, Australia)

CSF biomarkers associated with sleep deprivation in healthy volunteers

M. Olsson (Gothenburg, Sweden)

Valproic acid but not D-cycloserine facilitates sleep-dependent offline learning of extinction of conditioned fear in humans

K. Kuriyama (Otsu, Japan)

Training schedules and sleep quality amongst elite athletes

L. Gupta (Loughborough, United Kingdom)

The effects of sleep deprivation on pain sensitivity and its relation to EEG power spectra

J.-S. Lee (Yangsan, Republic of Korea)

Sleep in space versus sleep on earth: the effect of gravity

A.A.A. Gonfalone (Saint Marcellin lès Vaison, France)

The paradoxical effect of cognitive fatigue upon visuomotor sequence learning

G. Borragán (Brussels, Belgium)

Dreaming of a learning task improves memory performance

M. Schönauer (Tübingen, Germany)

Local sleep and spatial memory consolidation: local use-dependent electroencephalographic changes in wake and sleep

A. Quercia (Chieti, Italy)

Sleep alleviates proactive interference due to competition between memory systems

G. Borragán (Brussels, Belgium)

Ghost hunting or does perfectionism matter for sleep disturbance? A polysomnographic study

A.F.F. Johann (Freiburg, Germany)

The effect of sleep loss on emotional working memory

A. Gerhardsson (Stockholm, Sweden)

Phenotypes of resting-state cognition in insomnia disorders: mind-wandering activity is associated with insomnia related cognitive processes and insomnia severity

L. Palagini (Pisa, Italy)

Mismatch between subjective perception and objective findings on sleep time in insomnia patients

K. Bae (Gwangju, Republic of Korea)

Examining the link between cortical hyperarousal and sleep misperception

C.H.H. Bastien (Québec, Canada)

Twenty-four hour activity level and light exposure in community-dwelling insomnia patients

J.H. Lee (Chunchon, Republic of Korea)

Scientific Programme

Repetitive negative thinking mediates the relationship between impaired attentional control and insomnia severity

R. Bucks (Crawley, Australia)

Cognitive arousal may depend on sleep related metacognition in insomnia disorder

L. Palagini (Pisa, Italy)

Insomnia symptoms are associated with high perceived stress and less effective coping strategies in subjects with systemic lupus erythematosus

L. Palagini (Pisa, Italy)

The exploratory power of sleep effort, dysfunctional beliefs, and arousal for insomnia severity and PSG determined sleep

E. Hertenstein (Freiburg, Germany)

Discriminant validity and other psychometric properties of the sleep condition indicator a new tool to evaluate insomnia disorder in routine clinical practice

L. Palagini (Pisa, Italy)

Sleep and psychological problems in medical students

J.-S. Lee (Yongsan, Republic of Korea)

Sleep disturbances and social support in male population 45-69 years in Russia / Siberia (epidemiological study)

V. Gafarov (Novosibirsk, Russian Federation)

Effectiveness of an online cognitive behavioral therapy for insomnia

E. Björnsdóttir (Reykjavik, Iceland)

Cognitive behavioural therapy for insomnia among different types of shift workers

H. Järnefelt (Helsinki, Finland)

Cognitive behavioral therapy for chronic insomnia in occupational health services: analyses of outcomes up to 36 months post-treatment

H. Järnefelt (Helsinki, Finland)

Optogenetic dissection of the MCH system: implications for sleep-state modulation

A. Adamantidis (Bern, Switzerland)

The targeted antidepressant effects of ketamine and the 'Mammalian Target of Rapamycin' signaling pathway: preliminary data

P. Sos (Klečany, Czech Republic)

REM density as potential predictor for the selection of depression therapy

S.L.L. Weinhold (Kiel, Germany)

Oxygen desaturation and beck depression inventory relationship in patients with obstructive sleep apnea syndrome

S. Demir (Ankara, Turkey)

Investigating the link between sleep, chronotype and adolescent self-harm behaviour

K.H.H. Russell (Glasgow, United Kingdom)

Scientific Programme

Treatment of insomnia in patients with major depression disorder using cognitive behavioral therapy for insomnia - a randomised controlled study

D. Henny (Risskov, Denmark)

Sleep at baseline and after electroconvulsive therapy in patients with major depression

R. Göder (Kiel, Germany)

Emotions and perceptual anomalies mediate the relationship between sleep quality and paranoid thoughts: an analogue study

A. Rehman (Glasgow, United Kingdom)

The effect of sleep deprivation at home on memory of an analogue traumatic event

K. Porcheret (Oxford, United Kingdom)

Sleep instability in frontotemporal dementia

L. Carnicelli (Pisa, Italy)

A new EEG marker of Alzheimer's disease for the elderly based on sleep EEG

P.-H. Huang (Taipei, Taiwan)

Bound to supine sleep: Parkinson's disease and the impact of nocturnal immobility

P.O.O. Valko (Zurich, Switzerland)

Effect of bilateral subthalamic deep brain stimulation therapy on the sleep architecture of Parkinson disease patients

B. Faludi (Pécs, Hungary)

The use of melatonin for the treatment of REM sleep behavior disorder in Parkinson's disease

M.G. Poluektov (Moscow, Russian Federation)

REM sleep in Parkinsonian LRRK2 mutation carriers

A. Martinez Zuluaga (Barakaldo, Spain)

Sleep and cognition in Parkinson's disease: a meta-analysis

R. Bucks (Crawley, Australia)

Effects of sodium oxybate on neuropsychological and sleep wake disturbances in a patient with thalamic stroke

U. Kilic-Huck (Strasbourg, France)

Relationship between gait and nocturnal oxygen saturation levels in stroke patients

C. Edelsten (Geneva, Switzerland)

Prevalence of restless legs syndrome in adults with sickle cell disease

S. Wali (Jeddah, Saudi Arabia)

Risk of obstructive sleep apnea among SCD adult patients

S. Wali (Jeddah, Saudi Arabia)

03.11.2015, Poster

Poster Session 3

Scientific Programme

Adolescents' sleep habits and brain gray matter volumes

A.S.S. Urrila (Helsinki, Finland)

Sleep/wake cycle patterns and 24-h feeding schedules in 5- to 7-month-old infants

E. Steinkoler (Santiago, Chile)

Possible predicting factors of adenotonsillectomy for pediatric OSAS

R.P.-Y. Chiang (Taipei, Taiwan)

Perioperative complications following single or combination upper airway surgery for obstructive sleep apnea

Z.A.A. Ashaari (Kuantan, Malaysia)

EEG spectral changes associated with spontaneous arousals in NREM sleep in children with upper airway obstruction correlate with neurocognitive performance

A. Chatburn (Adelaide, Australia)

Clinical audit study of home-based initiation of CPAP in children

A.Y.Y. Teng (Sydney, Australia)

Observable movement patterns and sensorimotor sensations of paediatric patients/parents with familial Willis Ekbom disease (WED) during the suggested clinical immobilization test (SCIT)

O. Ipsiroglu (Vancouver, Canada)

Overmedication and poly-pharmacy in children and youth with fetal alcohol spectrum disorders (FASDs) and/or prenatal substance exposure (PSE)

O. Ipsiroglu (Vancouver, Canada)

Early sleep features determine the neurocognitive development at 36 months old: the AuBE study

M. Lecendreux (Paris, France)

Effect of sleep hygiene education program on sleep problems in shift work nurses

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Association between sleep disorders and severity of burnout syndrome in firefighters

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Effects of nocturnal shift work on sleep pattern, leukocytes and circulating antibodies in protection against meningococcal group C vaccine

F.S.S. Ruiz (São Paulo, Brazil)

Factors that influence nurses' job satisfaction: exploring about nurses' chronotype

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Light exposure during sleeping time affects sleep in nurses under shift work

W.-C. Liao (Taichung, Taiwan)

Effect of sleepiness in night worker's postural and psychomotor performance

F.V. Narciso (São Paulo, Brazil)

Association between sleep hygiene practices and sleep quality in medical students

Z. Yazdi (Qazvin, Islamic Republic of Iran)

Scientific Programme

Prevalence of eye strain and its relation with insomnia in daily VDT users

Z. Yazdi (Qazvin, Islamic Republic of Iran)

The effects of delaying school start time on sleep and emotion of Korean adolescents

T.W. Kim (Suwon, Republic of Korea)

A disposable, strapless & adhesive eye-covering sleep mask: effects on subjective sleep, alertness & mood

L. Scrima (Aurora, United States)

Sexomnia in a mild REM-related OSA patient successfully controlled with mandibular advancement device

M. Meira e Cruz (Torres Vedras, Portugal)

Actions used by healthcare personnel to improve adherence to CPAP treatment

M. Ulander (Linköping, Sweden)

Effect of nasal continuous positive airway pressure (CPAP) therapy on sleep architecture in patients with sleep apnea

A. Chikadze (Tbilisi, Georgia)

Therapeutic trends of sleep apnea in ENT sleep lab

J. Kraus (Benešov, Czech Republic)

Surgical planning after DISE versus Muller's maneuver in OSAS patients - a literature review

I.M.M. Moura (Lisbon, Portugal)

Tiotropium respimat vs HandiHaler to improve sleeping oxygen saturation and sleep quality

S.E.E. Schiza (Heraklion, Greece)

OSAS and CPAP-therapy - necessary extension of the control criteria in the CPAP-setting

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Use of spirometry to predict oral appliance treatment outcome in obstructive sleep apnea

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Do Greek OSAS patients lose weight under CPAP treatment?

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"Wake up for the importance of sleep": the experience of the world sleep day in Sao Paulo, Brazil

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Psychometric properties of epworth sleepiness scale (ESS) in Indian population of poor sleepers

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Screening for sleeping problems: comparison of an innovative smartphone-based sleep log APP test and traditional two week sleep diary

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Translation procedure and content validity of the Athlete Sleep Screening Questionnaire into Arabic language: preliminary investigation

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Transcriptomics and metabolomics in epidemiological sleep insufficiency

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Women with obesity hypoventilation syndrome starting long term home mechanical ventilation are older, more obese and have worse arterial blood gases than men

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Survival of patients with obesity hypoventilation syndrome

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Self-reported sleep characteristics and incidence of obesity: data from the cohort population study ESSE-RF (Russia)

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Subjective and objective assessment of sleep disorders in chronic kidney disease and hemodialysis patients

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Prediction of 10-year cardiovascular morbidity risk in newly diagnosed patients with obstructive sleep apnea syndrome

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Screening of the population for sleep disordered breathing and risk of traffic accidents? Experiences from the akershus sleep apnoea project (ASAP)

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Knowledge and attitude of primary care physicians about obstructive sleep apnea in Qazvin, Iran

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Risk assessment of sleep apnea in professional drivers in Republic of Moldova

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Association between severity of sleep-disordered breathing and traffic accidents among truck drivers in Japan

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The interface of sleep spindle dynamics and neurocognitive performance in obstructive sleep apnea syndrome

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Histamine deficiency elicits high-amplitude theta wave bursts during REM sleep

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Perinatal nicotine exposure changes sleep in adulthood

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Erythropoietin (EPO) inhibits the increase of non rapid-eye-movements sleep (NREMS) that is present in rats with bleomycin (BLM) - induced pulmonary fibrosis (PF)

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Repetitive intracerebroventricular microinjection of OrexinA regulates sleep homeostasis and fastens recovery from deep barbiturate anesthesia induced sleep

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The direct non-circadian effects of light in a diurnal grass rat, Arvicanthis ansorgei

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Role of melanin-concentrating hormone neurons in the regulation of sleep

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Day-time sleep pressure is greater in elite athletes

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Lucid dream induction using L-alpha glycerylphosphorylcholine

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Sleep deprivation. decreases the amplitude of the late auditory evoked potentials during an attention network task

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Comparing cortical responses to periodic 'strobe' visual stimulation across sleep and wakefulness using high-density EEG in humans

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Sleep loss in the pre-training night promotes functional reorganization of the cortex during memory recognition

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Sleep enhances prospective remembering by facilitating associative retrieval rather than strategic monitoring

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No effect of sleep on the forgetting of unwanted memories

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Investigating sleep-facilitated unconscious cognitive processing using EEG and behavioural measures: a comparison between healthy younger and older people

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The role of sleep and circadian rhythm disturbance in the formation of psychotic-like experiences

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A novel sleep spindle detection method to account for intra- and inter-individual differences in spindle characteristics

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Beyond Rechtschaffen-Kales: real-time automated EEG tracking of arousal states using neural field theory

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An alternative actigraphy analysis to quantify nocturnal sleep: a pilot study

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Development and validation of an automatic reference polysomnographic system for quantifying drowsiness

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Effects of sleep deprivation on resting-state EEG and attention in healthy volunteers

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Emotion expression and emotion regulation in insomnia disorder

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Emotional experience, presence and severity of insomnia and depressive symptoms: an ecological study of their effects on sleep quality

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High frequency heart rate variability during worry predicts stress-related increases in sleep disturbances

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Rumination is associated with a reduced efficiency in cognitive control and perceived sleep quality

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Development of the pain-related beliefs and attitudes about sleep (PBAS) scale for the assessment and treatment of insomnia comorbid with chronic pain

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A retrospective study of the efficacy of ramelteon for insomnia: relevance to dose and timing of administration

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Novel dual orexin receptor antagonist lemborexant shows efficacy on sleep initiation and maintenance on sleep diary measures in phase 2 study

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Associations between good sleep quality and neuroticism - do anxiolytics help? Results from an epidemiologic study

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Clinical experience with a dual orexin receptor antagonist, Suvorexant (Belsomra) in Japan

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Effects of N6-(4-hydroxybenzyl) adenine riboside and N6-(2-sulfanyl-3-bromo) adenine riboside in stress-induced insomnia in mice

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Change from olanzapine to asenapine...insomnia or stability?

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Nocturnal ictal apnea mimicking obstructive sleep apnea in a patient with left middle cingulate gyrus epilepsy

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Epilepsy or parasomnia?

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Assessment of sleep disorders in remitting-relapsing multiple sclerosis patients

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Sleep quality among patients suffering from multiple sclerosis

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Evaluation of sleep disorders in patients with severe traumatic brain injury during rehabilitation

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Sleep/wake habits in epileptic patients - a self-reported sleep study

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Simultaneous return of consciousness and sleep-wake cycle consolidation in acute traumatic brain injury

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Sleep related rhythmic movement disorder during REM sleep associated with obstructive sleep apnea syndrome

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Suggested clinical immobilization test with a smartphone-based electromyography system for screening Willis Ekbom disease

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Lenticulostriate stroke-related restless legs syndrome involve the body of the caudate nucleus and an increased dopaminergic tone

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Self-reported sleep problems and restless legs syndrome in Georgian young adults: a pilot study

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Periodic limb movements during sleep - signatures in 3D-videosomnography and electromyography

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Apelin level in restless legs syndrome

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Sleep quality in restless legs syndrome among healthcare workers: shift workers and non-shift workers

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Non-pharmacological treatments of insomnia for long-term painful conditions. A systematic review and meta-analysis of the patient- reported outcomes in randomized controlled trial

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Associatons between self-rated sleep time and psychological distress is different in men and women

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How is the quality of sleep in Indian university students?

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