welcome

On behalf of the Australasian Sleep Association and the Australasian Sleep Technologists Association, we welcome you to the 27th Annual Scientific Meeting in Melbourne.

There are a number of people to thank, without whom the ASM would not be the success that it is. First, thank you to our international keynote speakers, Prof. Walter McNicholas, Dr Kenneth Wright and Dr Dennis Bailey; our national keynote speakers, Prof. John Trinder and Prof. Delwyn Bartlett; and all the presenters for their time and effort.

Second, thank you to all our sponsors and exhibitors for their generosity and continuing support. I would ask you to recognise this contribution by ensuring you take the time to visit the stands and speak to the many exhibitors.

Finally, thank you to all those behind the scenes, from the ASA secretariat to the volunteers who helped review abstracts and plan our scientific programme. Your hard work is much appreciated.

Planning is already underway for the ASM next year in Adelaide, 20-22 October 2016, so put the dates in your diary now. You will not want to miss it.

Once again, welcome to the meeting and I trust that you will find this year’s scientific programme engaging, informative, educational and enriching.

Enjoy your meeting.

Sarah Biggs
Conference Chair
On behalf of the ASA Conference Committee

Conference COMMITTEE 2015

Chair: Sarah Biggs
Members: Amanda Piper, Andrew Chan, Teanau Roebuck, Chloe Parsley, Karen Waters, Tracey Sletten, Suzanne Ftouni, Paul Kelly, Bei Bei, Stuart Mackay, David Cunnington
Conference Secretariat: Stephanie Blower, Helen Burdette, Carissa Hanes, Mischka Yates

Future MEETINGS

Sleep DownUnder 2016: ‘Connections’
20-22 October 2016, Adelaide SA

Sleep DownUnder 2017
25-28 October 2017, Auckland NZ
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SDA

Sleep Health Foundation

Somnomed

Tempel Healthcare

Transcend

Weinmann

Medical Technology
**Liability**

In the event of industrial disruptions or service provider failures, neither Australasian Sleep Association (ASA), Australasian Sleep Technologists Association (ASTA) or Organising Committee members accept any responsibility for losses or injury incurred by delegates and partners.

Participation in the Industry Exhibition does not imply any endorsement or approval by ASA or ASTA and they take no responsibility in relation to the displays, products, representations or promotional material of the participants. Neither ASA nor ASTA has assessed, endorsed any display, representation or promotional material.

**Entrance to Sessions**

Your conference name badge is your official pass to Welcome Drinks, all sessions, the Industry Exhibition and catering areas. You are asked to wear these at all times during the meeting.

**Photography Disclaimer**

By attending Sleep DownUnder 2015 you permit the Australasian Sleep Association (ASA) to use, reproduce and distribute photographs and/or recordings taken of you for educational, promotional or news materials, whether by print, electronic or other media, including the ASA website.

You acknowledge and agree to waive the right to inspect or approve the finished product, including written or electronic copy, wherein your likeness appears and you waive any right to royalties or other compensation arising or related to the use of any photograph or recording.

You are kindly requested NOT to photograph or video record any of the presentations.

**Internet Access**

Wireless Internet Access is available at the Convention Centre. Access details can be found on the notice board, the conference app or near the Registration Desk.

**Notice Board**

Messages and programme changes will be posted on the notice board near the registration desk and on the Conference App.

**Conference App**

The Sleep DownUnder 2015 app will allow you to use your smartphone or tablet onsite to easily:

- access session details
- view speaker bios
- take notes on sessions
- access sponsor and exhibitor details
- evaluate sessions
- receive news alerts

Scan the QR code using your smartphone QR Reader to be instantly directed to the conference web app.

To access the app on your smartphone, tablet, or computer simply enter http://eventmobi.com/sdu2015 into the address bar of your device’s browser, be careful not to put it in the Google search box!

You can add the link as a bookmark or an icon to your home screen on your smartphone or tablet for easy access anytime you need it.

If you’re using an iPhone/iPad simply press the + or the box with arrow at the bottom of your screen and select add icon to home screen or follow the prompts on your smartphone.

**Speaker Preparation Area**

**Speaker Preparation Centre, Meeting Room 201**

All speakers must report to the Speaker Preparation area where a technician will be available to assist presenters to load their presentations. Speakers are required to load their presentations at least three hours prior to their session. For morning sessions this can be done the day before. Early check in ensures the presentations run smoothly.

**Opening Hours:**

Wednesday 21 October - Saturday October 7:30am - 5:00pm

**Posters**

Poster authors should stand by their posters during the poster viewing sessions. Posters should be left up for the full duration of the meeting and removed at the end of the lunch break on Saturday 24 October 2015. Posters removed prior to this time WILL NOT be considered for Poster Prizes.

**Industry Symposium**

Friday 23 October 2015 at 06:30pm

Sleep apnoea management for the 21st century: Integrating new technologies into everyday clinical practice

Speakers: John Swioca, Holger Woehrle, Michelle Caldecott, Jeff Armistead

There is no charge but bookings are essential if you are not already booked please go to the ResMed stand in the exhibition area.

**Sponsored by**

ResMed

**Breakfast Meetings**

All Breakfast Sessions will be held in the Convention Centre (see programme for details).

Entry will be by ticket only. Enquiries should be made to the Registration Desk if you have not already booked to check availability.

**Gala Dinner**

The Gala Dinner will be held on Saturday 24th October, 7pm for 7.30pm in Melbourne Room 2, Melbourne Convention & Exhibition Centre.

Dress Code: Cocktail Dresses/Business Attire

If you do not plan to attend the Dinner, it would be appreciated if you return your ticket to the Conference Secretariat. These tickets will be made available to those who wish to attend and have been unable to obtain a ticket.
### Programme at a Glance

#### Friday 23 October

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7.00 - 8.15</td>
<td>Breakfast Session</td>
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<tr>
<td>8.30 - 10.00</td>
<td>Clinical measures of alertness and sleepiness: Gaps and controversies</td>
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<tr>
<td>10.00 - 10.25</td>
<td>Morning Tea and Exhibition</td>
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<tr>
<td>10.25 - 11.30</td>
<td>Year in Review</td>
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<tr>
<td>11.30 - 12.30</td>
<td>Poster Sessions</td>
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<tr>
<td>12.30 - 1.15</td>
<td>Poster Viewing</td>
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<tr>
<td>1.15 - 2.00</td>
<td>Lunch and Exhibition</td>
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<tr>
<td>2.00 - 3.30</td>
<td>Oral Presentations</td>
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<tr>
<td>3.30 - 4.00</td>
<td>Afternoon Tea and Exhibition</td>
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<tr>
<td>4.00 - 5.30</td>
<td>Concurrent Symposia</td>
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<tr>
<td>5.30 - 6.30</td>
<td>Light refreshments offered by ResMed Ltd</td>
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<tr>
<td>6.30 - 7.30</td>
<td>Sleep apnoea management for the 21st Century</td>
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<tr>
<td>Time</td>
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<tr>
<td>7.00 - 8.15</td>
<td>Open Forum: Sleep apnoea models of care. How to best balance the demand for services with best clinical practice</td>
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<tr>
<td>8.30 - 10.00</td>
<td>Concurrent Oral Presentations: The silent sleep disorders: Insomnia, phase delay and chronic fatigue, New insights into treatment for OSA, Sleep affect and cognition: Chicken or egg, Paediatric sleep disorders: Clinical insights, Respiratory arousal and hypoxia: What these cornerstones tell us</td>
</tr>
<tr>
<td>10.00 - 10.25</td>
<td>Morning Tea and Exhibition</td>
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<tr>
<td>10.25 - 11.25</td>
<td>Keynote Address</td>
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<tr>
<td>11.30 - 12.30</td>
<td>Concurrent Poster Discussion: Behaviours that affect sleep health - drugs to mindfulness, Management of OSA: Compliance and other conundrums, Sleep well, perform well. Is it that simple in the real world?, Advanced Trainee presentations, Paediatric SDB: From screening to treatment</td>
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<td>12.30 - 1.15</td>
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<td>Lunch and Exhibition</td>
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<tr>
<td>2.00 - 3.00</td>
<td>Concurrent Symposia: Structural, functional and cellular changes in the brain during sleep deprivation and in OSA, Modulation of mood: Understanding the link between biological rhythms and affective functioning, Turning sleep on and off: Current topics in sleep pharmacology, Optimising care delivery with limited resources - diagnosis and management of paediatric OSA, Marrying anatomy with physiology in OSAS phenotypes</td>
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<tr>
<td>3.30 - 4.00</td>
<td>Afternoon Tea in Foyer</td>
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<tr>
<td>4.00 - 5.00</td>
<td>Plenary: From benchtop to bedside to blue sky</td>
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</tbody>
</table>
exhibition hall floorplan

Trade Exhibitors

1. SomnoMed
2. DeVilbiss
3. DeVilbiss
4. BioMedical
5. BioMedical
6. Radiometer Pacific
7. Rhinomed - Mute
8. Teva Pharma
9. Teva Pharma
10. Teva Pharma
11. Sleep Health Foundation & Sleep Disorders Australia
12. Weinmann USL
13. Temple Healthcare
14. Temple Healthcare
15. JB Medical Equipment
16. Ortho-Tex
16. Mortara
17. Deeper Sleep
17. Transcend
18. BOC
19. BOC
20. BOC
21. Apnea Seal
22. Air Liquide
23. Compumedics
24. BMC Medical
25. Fisher & Paykel
26. Philips
27. ResMed
### programme

**Monday 19 October**

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Room</th>
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<tbody>
<tr>
<td>Oral Sleep Medicine Course</td>
<td>8:15am – 5:00pm</td>
<td>MEETING ROOM 210</td>
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**Tuesday 20 October**

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>8:15am – 5:00pm</td>
<td>MEETING ROOM 210</td>
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</table>

**Wednesday 21 October**

<table>
<thead>
<tr>
<th>Event</th>
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<tbody>
<tr>
<td>Oral Sleep Medicine Course</td>
<td>8:15am – 5:00pm</td>
<td>MEETING ROOM 210</td>
</tr>
<tr>
<td>Short Course: Surgery SIG</td>
<td>9:00am – 4:30pm</td>
<td>MEETING ROOM 210</td>
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</tbody>
</table>

Day 2 of this course will be held at the Royal College of Surgeons on Thursday 22 October.

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Course: Surgery SIG</td>
<td>9:00am – 4:30pm</td>
<td>MEETING ROOM 210</td>
</tr>
</tbody>
</table>

**Short Course 1:** Alertness management and productivity  
Bridging the gap between research and industry  
MEETING ROOM 204

**Short Course 2:** Practical sleep medicine for nurses and clinicians  
MEETING ROOM 207

**Short Course 3:** Cardiovascular consequences of sleep disorders  
MEETING ROOM 203

**Early Career Seminar**

What to do once you have finished your training?  
Different paths to sleep research success: Insights from the experts  
MEETING ROOM 203  
Clincian Researcher: Ron Grunstein & Declan Kennedy  
NHMRC/ARC Researcher: Amy Jordan & Peter Eastwood  
NHMRC fellowship panel reviewer: Romola Bucks  
University Academic: Phillipa Gander  
Industry: Adam Fletcher

**ASTA AGM**  
MEETING ROOM 211  
5:00pm – 6:00pm

**Welcome Drinks**  
MELBOURNE ROOM FOYER  
6:00pm

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Confidence comes easy with a nasal mask designed to meet the needs of patients and sleep professionals, at every important milestone in the CPAP therapy journey. **The Mask Matters Most™.**
Thursday 22 October

**Fun Run**
6:00am registration for a 6:30am start
See the map on page 27.
SPONSORED BY COMPUMEDICS

*Registration for Breakfast Sessions is an additional cost.*

*Breakfast Session 1*
7:00am – 8:15am
CPAP: The pressure to support
MEETING ROOM 204
Chaired by Paul Kelly and Chloe Parsley

7:00am
296 An overview of CPAP delivery in Australia and New Zealand
Michael Hlavac

7:15am
297 CPAP in the real world – goals and compliance versus clinical outcome
Sally Powell

7:55am
299 Sleep disorders and their impact on health, safety and productivity in police and firefighters
Sharanta Rajaratnam

*Breakfast Session 2*
7:00am – 8:15am

Dental Breakfast
MEETING ROOM 208
Chaired by Joachim Ngiam and Ramesh Balasubramaniam
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7:00am
300 Paediatric and adolescent sleep – the role of the dentist
Dennis Bailey

*Breakfast Session 3*
7:00am – 8:15am

Assessing sleepiness and fatigue in children
MEETING ROOM 207
Chaired by Margot Davey

7:00am
301 The assessment of sleepiness in children and adolescents
Murray Johns

7:30am
302 Chronic fatigue syndrome in young people: How do we differentiate the sleep disturbance that is part of the condition from sleep disorders needing referral to a sleep specialist?
Kathy Rowe

**Welcome by ASA & ASTA Presidents**
PLENARY HALL 1
8:30am – 8:45am

**Plenary**
8:45am – 10:00am

Helen Bearpark Memorial Lecture
PLENARY HALL 1
Chaired by Matt Naughton and Bei Bei

8:45am
001 Role of inflammation in the cardiometabolic comorbidities of sleep apnoea
Walter McNicholas

9:30am
002 How the brain controls upper airway muscles to maintain airway patency
John Trinder

**Morning Tea & Exhibition**
10:00am – 10:30am
EXHIBITION – MELBOURNE ROOM 1

**New Investigator Presentations**
10:30am – 12:15pm
PLENARY HALL 1
Chaired by Danny Eckert and Kenneth Wright

10:30am
003 Effects of evening versus morning administration of an ACE-inhibitor on 24 hour blood pressure control in patients with obstructive sleep apnoea and hypertension: a double blind randomised controlled trial
Yasaman Djavadkhani, Brendon Yee, Philip Lee, Keith Wong, Peter Cistulli, Hitosatoji Arima, Ronald Grunstein, Craig Phillips

10:45am
004 Arousal induced hypocapnia is not detrimental to genioglossus muscle activity following the return to sleep in obstructive sleep apnoea
Jennifer Cori, Therese Thornton, Peter Rochford, Fergal O’Donoghue, John Trinder, Amy Jordan

11:00am
005 Zopiclone increases the respiratory arousal threshold without impairing genioglossus muscle activity in obstructive sleep apnoea
Sophie Carter, Michael Berger, Jayne Carberry, Lynne Blilton, Jane Butler, Benjamin Tong, Rodrigo Martins, Lauren Fisher, David McKenzie, Ronald Grunstein, Danny Eckert

11:15am
006 Collapsibility of the Human Upper Airway: Influence of State, Posture and Instrumentation
Kathleen Maddison, David Hillman, Kelly Shepherd, Chirrianna Bharat, Bradley Lawther, Peter Platt, Peter Eastwood, Jennifer Walsh

11:30am
007 The effect of obstructive sleep apnoea on the relationship between sigma power and memory performance in mild cognitive impairment
Nathan Cross, Zoe Terpening, Angela D’Rozario, Jong-Won Kim, Simon Lewis, Ron Grunstein, Sharon Naismith

11:45am
008 Interactions of sleep, wake and the internal body clock on driving performance
Raymond Matthews, Sally Ferguson, Stobhan Banks, Jill Dorrian, Gregory Roach

**Invited Presentation, Chinese Sleep Research Society**
12:00pm
009 Elimination of central sleep apnea by cardiac valve replacement in patients with rheumatic valvular heart disease
Ding Ning

12:15pm – 1:30pm
Lunch & Exhibition
MEETING ROOM 208

**Dental Sleep Medicine Year In Review**
12:30pm – 1:30pm
MEETING ROOM 203
Chaired by Matthew Naughton and Barnaby Bilston, Jane Butler, Benjamin Tong, Rodrigo Carter, Michael Berger, Jayne Carberry, Lynne Blilton, Jane Butler, Benjamin Tong, Rodrigo Martins, Lauren Fisher, David McKenzie, Ronald Grunstein, Danny Eckert

1:30pm
010 Heart failure overview
Justin Mariani

1:55pm
011 Pathophysiology of the link between heart failure and sleep disordered breathing
Matthew Naughton

2:20pm
012 Cardiovascular disease and lessons from the ESADA database
Walter McNicholas

2:40pm
013 Insights into heart failure related sleep disordered breathing from exercise and sleep monitoring
Kirk Kee
S2: Assessment and management of infant obstructive sleep apnoea. What are the options?  
MEETING ROOM 208  1:30pm – 3:00pm  
Chaired by Margot Davey

1:30pm  014 Clinical assessment of OSA in infants – what is important? Colin Robertson
1:50pm  015 Use of nasopharyngeal tube for management of OSA Margaret Harris
2:10pm  016 Role of CPAP in infants – special considerations Karen Waters
2:30pm  017 Surgical options and the place of mandibular distraction Jocelyn Shand

S3: Wide awake still – Challenges in the treatment of insomnia  
MEETING ROOM 211  1:30pm – 3:00pm  
Chaired by Bei Bei and Moira Junge

1:30pm  018 What to do if patients won’t accept or don’t respond to CBT-I? David Cunnington
1:50pm  019 The interpersonal aspect of insomnia Allie Peters
2:10pm  020 Meeting the challenges of insomnia and anxiety with CBT-I Bronwyn Milkins
2:30pm  021 Translating outcome research to the individual patient: Using case formulations in CBT-I Melissa Ree

S4: Shiftwork and night work: Matching solutions to the problems  
MEETING ROOM 203  1:30pm – 3:00pm  
Chaired by Ian Duncan and Tracey Sletten
SPONSORED BY TEVA PHARMA

1:30pm  022 Key characteristics of shiftwork schedules that impact sleep and health Sally Ferguson
1:50pm  023 Sleep disruption and circadian misalignment in shift work and shift work disorder Kenneth Wright
2:10pm  024 Organisational responses to managing fatigue-related risk in industry settings Philippa Gander

S5: Sleep-related learning and memory  
MEETING ROOM 204  1:30pm – 3:00pm  
after typical, fragmented and misaligned sleep
Chaired by Russell Conduit and Mark Kohler

1:30pm  026 Sleep and emotional learning in children Mark Kohler
1:50pm  027 Shallow sleep and memory consolidation: Evidence from experimental sleep fragmentation studies Melinda Jackson
2:10pm  028 Sleep dependent learning in treated and untreated obstructive sleep apnoea Shane Landry
2:30pm  029 Neural correlates of associative memory Alex Chatburn

Afternoon Tea & Exhibition  3:00pm – 3:30pm  
EXHIBITION – MELBOURNE ROOM 1

Concurrent SIG Meetings
Paediatric SIG PLENARY HALL 1  3:30pm – 4:30pm
Occupational health, safety & productivity SIG MEETING ROOM 203
Chronobiology SIG MEETING ROOM 204  3:30pm – 4:30pm
Surgery SIG MEETING ROOM 205  3:30pm – 4:30pm
Dental & Orofacial SIG MEETING ROOM 207  3:30pm – 4:30pm
Sleep Physicians SIG MEETING ROOM 208  3:30pm – 4:30pm
Insomnia SIG MEETING ROOM 210  3:30pm – 4:30pm
Respiratory SIG MEETING ROOM 211  3:30pm – 4:30pm
Neurology SIG MEETING ROOM 202 (organiser’s office)  3:30pm – 4:30pm
ASA AGM MEETING ROOM 203  4:30pm – 5:30pm
SHF AGM MEETING ROOM 203  5:30pm – 6:00pm
RACP PREP Supervisor Workshop MEETING ROOM 208  5:30pm – 7:00pm

Registration for Breakfast Sessions is an additional cost.

Breakfast Session 4  7:00am – 8:15am
Assessment of circadian phase in field settings MEETING ROOM 207  Chaired by Gemma Paech and Sally Ferguson
7:00am  303 The importance of measuring circadian phase Shantha Rajaratnam
7:15am  304 Salivary melatonin to assess circadian entrainment Kenneth Wright
7:35am  305 Assessing circadian phase in remote and isolated regions Tracey Sletten
7:55am  306 Home DLMOs with measures of compliance Helen Burgess

Breakfast Session 5  7:00am – 8:15am
Paediatric home ventilation – the progress and challenges in the path MEETING ROOM 208  Chaired by Sadassivam Suresh and Gillian Nixon
7:00am  307 Current state and progress to date in Paediatric Home Ventilation Sadassivam Suresh
7:10am  308 Challenges in transitions: to cover transition from hospital to home environment; moving from invasive to non-invasive modalities and transition from paediatric services Jasneek Chawla
7:30am  309 Safe monitoring and follow up: Modalities used for monitoring and funding implications Gillian Nixon
7:50am  310 The home ventilated child as a whole "not just the machine": A general paediatric aspect of managing the ventilated child Sadassivam Suresh
**FRIDAY**

8:30am  **Panel discussion**  
Sadasivam Suresh, Jasneek Chawla, Gillian Nixon

*B*Breakfast Session 6  7:00am – 8:15am  
**Narcolepsy and Sodium Oxybate – A new dawn for Australia**  
MEETING ROOM 204  
Chaired by Dev Banerjee and Christopher Kosky

7:00am  **311 Party drug, neurotransmitter, anti-narcoleptic agent and sedative: The enigmatic pharmacology of GHB (Sodium Oxybate) Ian McGregor**

7:20am  **312 A review of the Sodium Oxybate in narcolepsy trials and funding issues**  
Garun Hamilton and Yasmina Djavid Khani

7:40am  **313 Choosing the correct patient, drug administration and patient monitoring**  
Dev Banerjee

8:00am  **314 Clinical experience and outcomes – the London experience**  
Chris Kosky

Sleep Service Accreditation Update  7:00am – 8:15am  
MEETING ROOM 203  
There is no charge for this session but booking is essential. Breakfast will not be provided but tea and coffee will be available.

ASTA Plenary  8:30am – 10:00am  
**Clinical measures of alertness and sleepiness: Gaps and controversies**  
PLENARY HALL 1  
Chaired by Denise O’Driscoll & Chloe Parsley

8:30am  **301 Measuring sleepiness and alertness in the laboratory – Which test is best? Brett Duce**

8:55am  **301 Challenges in measuring sleepiness and alertness in children**  
Honey Heussler

9:20am  **302 From narcolepsy to insomnia: how different sleep disorders affect daytime functioning**  
Fergal O’Donoghue

9:40am  **303 Who needs sleep apnoea treatment for safety critical tasks?**  
Mark Howard

Morning Tea & Exhibition  10:00am – 10:25am  
EXHIBITION – MELBOURNE ROOM 1

Concurrent Year in Review  10:25am – 12:30pm

**YIR 1: Physiology and Measurement**  
MEETING ROOM 204  
Angela Campbell and Denise O’Driscoll

**YIR 2: Paediatric**  
MEETING ROOM 208  
Bradley Martin and Scott Coussens

**YIR 3: Insomnia and Sleep Health**  
MEETING ROOM 210  
Sean Drummond

**YIR 4: Alertness and Fatigue Management**  
MEETING ROOM 211  
Sally Ferguson and Ian Duncan

**YIR 5: Sleep and Breathing**  
MEETING ROOM 203  
Nigel McArdle and Alister Neill

**YIR 6: Chronobiology and Health**  
MEETING ROOM 207  
Melinda Jackson and Moira Junge

Concurrent Poster Discussion  
**Poster Session 1 – Bi-directional impacts of and on sleep from infancy to adolescence**  
MEETING ROOM 20B  
Chaired by Dawn Elder and Russell Conduit

11:30am  **034 Physiological measures from a randomized controlled trial to investigate infant sleep risks and benefits when using a culturally-derived sleep device (wahakura) compared to a standard bassinet**  
Sally Bakdoo, David Tipene-Leach, Sheila Williams, Angelina Tangiora, Raymond Jones, Elsa Isosa, Barry Taylor

11:36am  **035 Physiological consequences of light exposure in preschool children**  
Cassandra Pattinson, Alicia Allan, Sally Staton, Karen Thorpe, Simon Smith

11:42am  **036 A qualitative study of problematic sleep in pre-school children; the effects on the child, mother and family**  
Laurelle Smith, Julie Lawrence, Carmen Lobb, Barbara Galland

11:48am  **037 Long-term improvements in Quality of Life and Family Functioning in Preschool Children Following Resolution of Sleep Disordered Breathing**  
Sarah Biggs, Lisa Walter, Angela Jackman, Lauren Nisbet, Aidan Weichard, Samantha Hollis, Margot Davey, Vicki Anderson, Gillian Nixon, Rosemary Horne

11:54am  **038 Sleep and school satisfaction amongst primary school children**  
Mark Kohler, Rebecca Rowlands

12:00pm  **039 Is child sleep timing associated with child and parent outcomes? Australian Population-Based study**  
Jon Quach, Anna Price, Melissa Wake, Michael Bittman, Harriet Hiscock

12:06pm  **040 Sleep quality and quantity in Australian Indigenous children**  
Sarah Blunden, Kelly Attard, Larissa Clarkson

12:12pm  **041 The effects of sleepiness on sustained attention and inhibition in children**  
Simone Fuegge, Alison Fox, Romola Bucks

12:18pm  **042 Behavioral sleep problems in children with ADHD: cross-sectional associations with parenting and sleep hygiene**  
Jie Cheng Song, Harriet Hiscock, Emma Sciberras, Tibor Schuster

12:24pm  **043 Too long, too short, or too variable? Variability of daily actigraphy sleep, perceived sleep quality, and negative mood in adolescents**  
Beibei, Joshua Wiley, Nicholas Allen, Rachel Manber, John Trinder

Poster Session 2 – Assessment of OSA: Is there a better way?  11:30am – 12:30pm  
MEETING ROOM 203  
Chaired by Michael Hlavac and Brad Edwards

11:30am  **044 Performance evaluation of two respiratory inductance plethysmography (RIP) devices for measurement of respiratory effort during sleep**  
Adam Rossely, Peter Rochford, Tom Churchward, Elisa San Pedro, Julie Tolson

11:36am  **045 Mallampati score does not predict Oral Appliance Treatment outcome in Australian OSA patients**  
Kate Sutherland, Andrew Chan, Meghan Leigh, Joachim Ngiam, Peter Cistulli

11:42am  **046 A comparison of methods for classifying positional obstructive sleep apnoea**  
Peter Catcheside, Andrew Vakulin, Sarah Appleton, Doug McEvoy, Nick Antic, Gary Wittert, Sean Martin, Janet Grant, Anne Taylor, Carol Lang, Robert Adams
11:48am 047 The utility of CPAP predictive formulae in an Australian population with OSA – A comparison with in-house CPAP titration. Dev Banerjee, Michaela Cheng, Frances Clements, Ron Grunstein


12:00pm 049 Objective sleepiness as measured by a modified Oxford Sleep Resistance test (OSLER) correlates with severity of sleep disordered breathing in polysomnography. Patricia Hullah, Philip O’Reilly, Gavina Cosua, Ruby Brillante, Leon Laks

12:06pm 050 Nose shape assessed by craniofacial photography reflects nasal resistance in OSA. Ahmad Barnagpos, Meghan Leigh, Kate Sutherland, Andrew Chan, M. Ali Darendellier, Peter Cistulli

12:12pm 051 Comparison of the OSA50, STOP and STOP–BANG Questionnaires for Identification of Obstructive Sleep Apnea in a Male Population Cohort. Ching Li Chai-Coetzee, Robert Adams, Sarah Appleton, Andrew Vakulin, Sean Martin, Janet Grant, Nick Antic, Peter Catcheside, Anne Taylor, Gary Wittert, R Doug McEvoy

12:18pm 052 Current Screening Questionnaires for Obstructive Sleep Apnoea Lack Efficacy in Patients with High Risk Co-morbidities. Kirk Kee, Elena Vulkh, John Dixon, David Kaye, Markus Schlaich, Jonathan Shaw, Paul Zimmet, Matthew Naughton

12:24pm 053 A method to quantify end expiratory pause in obstructive sleep apnoea patients. Dwayne Mann, Stephen Wilson, Scott Sands, Bradley Edwards, Philip Terrill

Poster Session 3 – Ventilation, arousal and obesity: The triple threat 11:30am – 12:30pm

11:30am 054 Physician-Led Positive Airway Pressure Acclimatisation Registry: A Quality Assurance Program Enhances Our Understanding to Therapy Success. Carol Huang, Rosianna Wee

11:36am 055 Case report: Efficacy of average volume- assured pressure support (AVAPS) bi-level positive pressure ventilation in the treatment of congenital central hypoventilation syndrome (CCHS). Maeow Cheong Yaw, Rajeen Rathnavadivel, Richard Lee

11:42am [Paper withdrawn]


11:54am 058 An unexpected response to change of interface. Teresa Shirlaw, Brett Duce, Craig Hukins

12:00pm 059 Estimating the respiratory arousal threshold from routine polysomnogram. Philip Terrill, Bradley Edwards, Andrew Wallman, Shamim Nemati, Robert Owens, James Butler, Atul Malhotra, Scott Sands

12:06pm 060 Temporal association between transient arousals and limb movement during sleep. Philip I. Terrill, Marnie L. Lamprecht, Gordon Williams, Andrew P. Bradley

12:12pm 061 Body Mass Index and Obstructive Sleep Apnoea: No Evidence of a Plateau. Stephen Gyulay, Michael Hensley

12:18pm 062 Relationship between obstructive sleep apnea (OSA) and chronic kidney disease (CKD). Sarah Appleton, Robert Adams, Andrew Vakulin, Carol Lang, Anne Taylor, Nick Antic, Peter Catcheside, Doug McEvoy, Gary Wittert

12:24pm 063 Increasing ventilatory requirements in a patient with Duchenne Muscular Dystrophy – The heart of the matter. Sheila Sivam, Timothy Echevarria, Brendon Yee, Amanda Piper

Poster Session 4 – It’s all about the rhythm when dancing the circadian 11:30am – 12:30pm

11:30am 064 Antidepressant medication alters the sensitivity of the circadian system to light. Elise McGlashan, Lawrence Sanjay Nandam, Sean Cain

11:36am 065 Circadian melatonin and temperature tams in Delayed Sleep-Wake Phase Disorder and Non-24-hour Sleep-Wake Disorder patients. Gorica Micic, Nicole Lovato, Michael Gradissar, Helen Burgess, Sally Ferguson, Leon Lack

11:42am 066 Estimating core body temperature minimum in patients with Delayed Sleep Phase Disorder using dim-light melatonin variables and self-reported sleep timing. Nicole Lovato, Gorica Micic, Leon Lack

11:48am 067 Increased sensitivity of the circadian system to light in pre/mid pubertal adolescents. Angus Burns, Stephanie Crowley, Sean Cain, Christine Acebo, Mary Carskadon

11:54am 068 Personality differences in Delayed Sleep-Wake Phase Disorder and Non-24-hour Sleep-Wake Disorder patients relative to healthy sleepers. Gorica Micic, Nicole Lovato, Michael Gradissar, Leon Lack

12:00pm 069 Testosterone, baseline sleep, and the impact of sleep restriction in healthy men. Amy Reynolds, Jillian Dorian, Peter Liu, Hans Van Dongen, Gary Wittert, Lee Hamer, Siobhan Banks

12:06pm 070 Increased vulnerability to the effects of acute sleep deprivation on alertness in women. Parisa Vidalafar, Joshua Gooley, Eric Chern-Pin Chua, Steven Lockley, Sean Cain

12:12pm 071 Long-term sleep measurement: Unlocking the rhythms of life. Claire Ellender, John Swiæca, David Cunnington

12:18pm 072 Children’s sleep patterns on days attending and not attending childcare. Sally Staton, Cassandra Pattinson, Simon Smith, Kylie Witheridge, Karen Thorpe

12:24pm 073 Sleep and mood in adolescents across an entire school term: Is sleep/ wake variability important? Sarah Blunden, Larissa Clarkson, Brianna Drew, Amelia Searle, Siobhan Banks

Poster Session 5 – Sleep and cognition: A complex marriage 11:30am – 12:30pm

11:30am 074 Impaired attentional control directly increases repetitive negative thinking and insomnia severity. Bronwyn Milkins, Romola Bucks, Patrick Clarke, Colin MacLeod

11:36am 075 Sleep Loss And Response Inhibition On An Emotional Go/No-Go Task. Melinda Jackson, V Vian Lee, John Trinder
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090 Evidence of psychophysiological relationships between stress responses among sleep restricted firefighters completing simulated wildfire work Alexander Wolkow, Brad Alsbett, John Reynolds, Sally Ferguson, Luana Main

Paediatric sleep
MELBOURNE ROOM 2
12:30pm – 1:15pm

091 Comparison of sleep states using continuous cerebral bedside monitoring of real-time EEG and polysomnography in term infants Rosemary Home, Laura Bennet, Karinna Fylle, Stephanie Yliarou, Henriette Mark, Flora Wong

092 Validity of the OSA-18 as a waiting list triage tool for sleep disordered breathing severity in paediatric respiratory medicine clinics Lisa Walter, Sarah Biggs, Margot Davey, Rosemary Home, Gillian Nixon

093 Accuracy of self-reported sleep compared to actigraphy in young people with mental ill-health Daniel Biddle, Nicholas Glozier, Rebecca Robillard, Daniel Herrens, Ian Hickie

094 Paediatric Pulse Oximetry Desaturation Index Limitations Chloe Parsley, Sadasivam Suresh, Gordon Williams


096 Validation of a survey of parent knowledge about children’s sleep in a hospital population Philippa McDowall, Angela Campbell, Dawn Elder

097 A systematic review of resiliency training programs in children: the search for a novel treatment for upper airway obstruction Melissa Cava, Eloise Denaro, Scott Coussens

098 Cross-sectional sleep thresholds for optimal health and wellbeing in Australian 4-9-year-olds Anna Price, Jon Quach, Melissa Wake, Michael Bittman, Harriet Hiscock

099 Persistent sleep problems during the early school years has consequences for children’s working memory Thi-Nhu-Ngoc Nguyen, Jon Quach, Megan Spencer-Smith, Peter Anderson, Fiona Mensah, Gahan Roberts, Melissa Wake

101 Incidence and Severity of Allergic Rhinitis in Children with Residual Sleep Symptoms after T&A: Clinical audit of over 500 cases Lernik Sarkissian, Stuart MacKay, SueEllen Holmes

Sleep and Breathing – Measurement
MELBOURNE ROOM 2
12:30pm – 1:15pm

100 Agreement between simple questions about sleep duration and sleep diaries in a large online survey Christopher Miller, Christopher Gordon, Leanne Toubia, Delwyn Bartlett, Ronald Grunstein, Angela D’Rozario, Nathaniel Marshall

102 Age related changes in sleep architecture and the effect of one night of CPAP therapy Dev Banerjee, Michael Cheng, Frances Clements, Ron Grunstein

103 The use of nasopharyngoscopy to predict efficacy and clinical effectiveness of mandibular advancement splints in patients with sleep apnoea Lernik Sarkissian, Thomas Emrile, Andrew Jones, Terry Sands, SueEllen Holmes, Stuart Mackay

Advanced Trainees
MELBOURNE ROOM 2
12:30pm – 1:15pm

104 Initial validation of a simplified screening model of questionnaire and oximetry for detecting moderate to severe obstructive sleep apnoea (OSA) in chronic tetraplegia Marnie Graco, Sally Green, David Bartlowiz

105 Clinical outcomes in a high nursing ratio ward setting for children with obstructive sleep apnoea at high risk after adenotonsillectomy Sarah Arachchi, David S Armstrong, Margot J Davey, Gillian M Nixon

106 Characteristics of infants , age <1 year, presenting for sleep studies Heather Coughtrey, Karen Waters, Dominic Fitzgerald

107 Rhinomanometry as Predictor of Continuous Positive Airway Pressure (CPAP) Adherence Hooi Shan Yap, Vinod Ajayappan, Peter Catchside, Dimitar Sajkov

108 Diffuse Lewy Body Disease Presenting with Complex Abnormal Sleep Behaviour Shivonne Prasad, Eric Kuo, Denise O’Driscoll, Alan Young

109 Accuracy of non-invasive sleep monitors compared with polysomnography Claire Ellender, John Sweeney, David Cunningham

110 Prevalence and outcomes of sleep disordered breathing in heart failure Sakhae Kotecha, Kirk Kee, Teanaq Roesbuck, El Dabscheck, Belinda Miller, Peter Bargin, Matthew Naughton

111 Low frequency of Sleep Disordered Breathing during slow wave sleep, a retrospective study Sameh Samuel, Joe Donoghue, Michael Hensley, Stephen Gyulay

112 Characteristics and Attitudes of Elderly Patients Investigated for Sleep Disordered Breathing Clarissa Susanto, Yewon Chung, Gavina Cossa, Leon Laks, Elizabeth Velth

Lunch & Exhibition
1:15pm – 2:00pm
EXHIBITION – MELBOURNE ROOM 1

Concurrent Oral Presentations

Oral presentation 1: The sleeping brain
2:00pm – 3:30pm – where the activity never stops
MEETING ROOM 207

Chairied by Sean Drummond and Brett Duce

2:00pm
113 Regional declines in sleep slow wave activity in amnestic mild cognitive impairment Kate Sprecher, Cynthia Phelan, Stephanie Jones, Brady Reidner, Ruth Benca

2:15pm
114 Decreased orexin expression with ageing in the human brain; implications for sleep regulation Rita Maahalani, Nicholas Hunt, Karen Waters

2:30pm
115 Reduced sleep spindle density in Parkinson’s disease: A case-control study Anna Mullins, Jong-Won Kim, Nathaniel Marshall, Ronald Grunstein, Sharon Naismith, Simon Lewis

2:45pm
116 Effect of a topical vasoconstrictor on the upper airway of patients with quadriplegia and obstructive sleep apnoea: An MRI study Hailey Mealim, David Bartlowitz, Graeme Jackson, Alan Connolly, Shawna Farquharson, Doug Brown, Lynne Billston, Alice Hatt, Peter Cistulli, Kate Sutherland, Fergal O’Donoghue

3:00pm
117 Mild airflow limitation increases cortical activation and K-complex frequency Chinh Nguyen, Andrew Wellman, Amy Jordan, Danny Eckert
125 Importance of Urinary Drug Screening In The
2:00pm – 3:00pm
MEETING ROOM 203
Chaired by Mary Carskadon and Honey Heussler

129 A Randomised Controlled Trial Comparing Patient Outcomes Following Full Polysomnography Versus Limited Sleep Study Testing For Suspected Obstructive Sleep Apnea
Ching Li Chai-Coetzer, Antone Carroll, Derek Figurski, Krishna Karpe, Mark Hurwitz, Richard Singer
3:00pm

130 Severe Sleep Apnoea is Common in Chronic Kidney Disease and Not Predicted by Symptom Questionnaires, Apnealink or Bioimpedance Measurements
Carol Huang, Giles Walters, Girish Talaulikar, Annette Carroll, Derek Figurski, Krishna Karpe, Mark Hurwitz, Richard Singer
3:15pm

Oral presentation 2: Adolescence – how much is sleep to blame? 2:00pm – 3:30pm
Chaired by Mary Carskadon and Honey Heussler

118 Mobile phone emissions: Effects on the sleeping brain Sarah Loughran
3:15pm

Oral presentation 4: Making it work: 2:00pm – 3:30pm
Shift work, sleep deprivation and performance
MEETING ROOM 204
Chaired by Ian Duncan and Helen Burgess

131 Assessing the impact of consecutive night shifts on neurobehavioural performance during a subsequent simulated night shift
Michelle Magge, Tracey L. Sletten, Sally A. Ferguson, Ronald R. Grunstein, Clare Anderson, David J. Kennaway, Steven W. Lockley, Shantha M.W. Rajaratnam
2:00pm

136 Psychomotor Vigilance Task Performance in Multi-Pilot Airline Crews: A Cautionary Tale
Philippa Gander, Hannah Mulrine, Margo van den Berg, Lora Wu, Alex Smith, Leigh Signal, Gregory Belfenky
3:15pm

Oral presentation 3: New approaches to screening and assessment 2:00pm – 3:30pm
MEETING ROOM 210
Chaired by Andrew Chan and Peter Cistulli

123 The SENSE study (Sleep and Education: learning New Skills Early): a randomised controlled trial of a cognitive-behavioural therapy and mindfulness-based group sleep intervention among at-risk adolescents
Matthew Blake, Joanna Waloszek, Orlí Schwartz, Monika Raniti, Julian Simmons, Laura Blake, Paul Dudgeon, Richard Bootzin, Ronald Dahl, Greg Murray, John Trinder, Nicholas Allen
3:00pm

126 Comparison of an extendable four-nap protocol Vs the straight five-nap protocol for the Multiple Sleep Latency Test: Impact on diagnostic outcomes and treatment options
Jeremy Stonehouse, Lynnette Reid-Price
2:15pm

125 Importance of Urinary Drug Screening In The Multiple Sleep Latency Test And Maintenance Of Wakefulness Test
Angela Anniss, Alan Young, Denise O'Driscoll
2:00pm

135 Performance deficits are present hours after alcohol consumption following prior sleep loss
Jessica Manousakis, Clare Anderson
3:00pm

122 Sleep duration and correlates of poor sleep quality in New Zealand adolescents aged 15 to 17 years
Barbara Galland, Jonathan Penno, Carmen Lobb, Andrew Gray
2:45pm

132 Morning work causes greater sleep loss than night work
Gregory Roach
2:30pm

134 The effects of light on cognitive performance of partially sleep-deprived young drivers
Shamshir Shakari Soleimani, Simon Smith, Melanie White, Veronica Garcia Hansen, Matthew Leong
2:45pm

120 What's keeping teenagers awake?
Emilie Harbard, Nicholas Allen, John Trinder, Bei Bei
2:30pm

133 Fighting fires and fatigue: physical activity and physical task performance during bushfire suppression
Grace Vincent, Sally Ferguson, Nicola Rodgers, Brad Aisbett
2:30pm

127 A new approach to quantifying arousal and mindfulness-based group sleep intervention
Ali Azarbarzin, Magdy Younes, Amy Jordan, Emily Harbard, Nicholas Allen, John Trinder, Bei Bei
2:15pm

121 The effect of prolonged sleep restriction on adolescents’ sustained attention, response times and subjective sleepiness
Alex Agostini, Mary Carskadon, Michelle Short
2:30pm

124 Sleep Electroencephalogram Power Spectra in Heavy and Light Drinking Youth
Caitlyn Gourlay, John Trinder, Julia Chan, Hayley Ayton, Abbie Couchman, Ian Colrain, Christian Nicholas
3:15pm

128 Performance deficits are present hours after alcohol consumption following prior sleep loss
Jessica Manousakis, Clare Anderson
3:00pm

129 A Randomised Controlled Trial Comparing Patient Outcomes Following Full Polysomnography Versus Limited Sleep Study Testing For Suspected Obstructive Sleep Apnea
Ching Li Chai-Coetzer, Nick Antic, Garun Hamilton, Nigel Mc Ardle, Keith Wong, Brendon Yee, Aeneas Yeo, Rajeev Ratnadavel, Matthew Naughton, Teanau Roe buck, Richard Woodman, R Doug McEvoy
3:00pm

137 Small vessel disease in patients with obstructive sleep apnoea: a cross sectional observational study
Chee Yoong Choy, Nicholas Tan, Deb Colville, Ana Hutchinson, Judy Savage
3:00pm

139 Interventions to Improve Double Triggering during NIV Using a Breathing Simulator Model
Rajiv Sharma, Brett Duce, Joseph Churton, Craig Hukins
2:30pm

138 Comparison of oxygen desaturation indices obtained by two separate software programs in the diagnosis of obstructive sleep apnoea
Charith Horadagoda, Peter Buchanan, Craig Wainwright, Guy Marks, Frances Gar den, Hima Vedam
2:15pm

132 Assessing the impact of consecutive night shifts on neurobehavioural performance during a subsequent simulated night shift
Michelle Magge, Tracey L. Sletten, Sally A. Ferguson, Ronald R. Grunstein, Clare Anderson, David J. Kennaway, Steven W. Lockley, Shantha M.W. Rajaratnam
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140 Interaction between alcohol intake, anxiety, lowered mood and sleep disturbance in a sleep clinic population
Shivonne Prasad, Denise O’Driscoll, Rowan Ogeil, William Li, Alan Young
2:45pm

141 Neonatal Medical Staff’s Knowledge of Pulse Oximetry: a prospective survey
Katharine Jamieson, Margot Davey, Gillian Nixon
3:00pm

142 Clinical audit study of home-based initiation of CPAP in children
Catherine Jonas, Joanne Ging, Arthur Teng
3:15pm

Oral presentation 5: Advanced Trainees 2:00pm – 3:30pm
MEETING ROOM 208
Chaired by Alister Neill and Dev Banerjee

131 Assessing the impact of consecutive night shifts on neurobehavioural performance during a subsequent simulated night shift
Michelle Magge, Tracey L. Sletten, Sally A. Ferguson, Ronald R. Grunstein, Clare Anderson, David J. Kennaway, Steven W. Lockley, Shantha M.W. Rajaratnam
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3:00pm

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Catherine Jonas, Joanne Ging, Arthur Teng
3:15pm

Afternoon Tea & Exhibition 3:30pm – 4:00pm
EXHIBITION – MELBOURNE ROOM 1
**Saturday 24 October**

**Meet the Clinician**

1. **Non-respiratory sleep disorders**
   - 7:15am – 8:15am
   - Chaired by John Swieca
   - Panel discussion

2. **Paediatric sleep disorders**
   - 7:15am – 8:15am
   - Chaired by Margot Davey
   - Panel discussion: Sleepless in Melbourne – practical approaches to common paediatric sleep problems
   - Margot Davey, Harriet Hiscock, Emma Sciberras

**Open Forum: Sleep apnoea models of care. How to best balance the demand for services with best clinical practice**

- 7:15am – 8:15am
- Chaired by Nick Antic

**Concurrent Oral Presentations**

**Oral presentation 1: Sleep, affect and cognition: Chicken or egg?**

- 8:30am – 10:00am
- Chaired by Dorothy Bruck and Kurt Lushington

**159 The effect of sleep loss in working memory function in rested and sleep deprived patient with OSA**

- David Stevens, Andrew Vakulin, Hannah Openshaw, Angela D’Rozario, Peter Catcheside, Doug McEvoy, Keith Wong, Ron Grunstein

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**'Meet the clinician’ sessions on Saturday 24 October are extra sessions and will commence at 7:00am. Light refreshments will be served. There is no charge for the extra session but booking is essential.**
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8:45am 160 Does affective state influence the encoding of emotional pictures during sleep deprivation? Vien Lee, Christian Nicholas, Amy Jordan, John Trinder, Melinda Jackson

9:00am 161 Attention profiles of younger and older adults during 28 hours of sleep deprivation Anna Scovelle, Sean Drummond, Clare Anderson

9:15am 162 Impulsivity mediates the relationship between sleep disturbance and substance use in young adults Kalina Rossa, Alicia Allan, Jappan Sawtney, Simon Smith

9:30am 163 Disturbances of sleep and dreaming in seasonal affective disorder: Study on general population in latitudes 60°- 66° Nils Sandman, Ilona Markkanto, Katja Valli, Erkki Kronholm, Hanna Määtänänen, Tiina Laatikainen, Timo Partonen, Tiina Paunio

9:45am 164 The bi-directional relationship between sleep problems and internalizing and externalizing problems in children with ADHD: a prospective cohort study Melissa Mutraney, Rebecca Giulio, Kate Lyckett, Fiona Mensah, Emma Sciberras

8:30am – 10:00am Oral presentation 2: New insights into treatment for OSA MEETING ROOM 204 Chaired by Kristina Kairaitis and Peter Rochford

8:30am 165 The effect of acupuncture on upper airway physiology in obstructive sleep apnoea Therese Thornton, Fergal O’Donoghue, Peter Rochford, Jennifer Cori, Charlie Xue, John Trinder, Amy Jordan

8:45am 166 The effect of morphine on obstructive sleep apnoea- A randomised double-blind placebo-controlled crossover trial Luke Rowseil, Keith Wong, Brendan Yee, Danny Eckert, Ronald Grunstein, David Wang

9:00am 167 Effectiveness of two maintenance diets following a very low energy diet to reduce cardio-metabolic risk in obese sleep apnoea patients: a randomised controlled trial Elizabeth Cayanan, Camilla Hoyos, Nathaniel Marshall, Keith Wong, Brendan Yee, Yasmina Djavadkhani, Ronald Grunstein

9:15am 168 Continuous Positive Airway Pressure Acceptance Across The Ages: Lessons from Canberra Hospital PAP Acclimatisation Registry Carol Huang, Rosianna Wei

9:30am 169 Oronasal masks require a higher CPAP treatment pressure and have poorer control of obstructive sleep apnoea compared to nasal and nasal pillow masks Sheetal Deshpande, Simon Jocosten, Anthony Turton, Bradley Edwards, Darren Mansfield, Garun Hamilton

9:45am 170 Objective compliance and head position monitoring of mandibular advancement splint therapy for sleep-disordered breathing- a preliminary investigation Joachim Ngiam

8:30am – 10:00am Oral presentation 3: Respiratory arousal hypoxia: What these cornerstones tell us MEETING ROOM 210 Chaired by John Wheatley and Amy Jordan

8:30am 171 New insights into the mechanisms of respiratory load-induced arousal: Role of breath timing and respiratory load compensation Jason Amatoury, Amy Jordan, Andrew Wellman, David White, Danny Eckert

8:45am 172 Day-to-day variability and blunted perception of high nasal resistance in people with tetraplegia and obstructive sleep apnoea Nirupama Wijesuriya, Chaiminda Lewis, Jane Butler, Amy Jordan, David Berkwowitz, Danny Eckert

9:00am 173 Respiratory sensation during wakefulness is related to the respiratory arousal threshold during sleep in obstructive sleep apnoea Jayne Carberry, Lauren Fisher, Sophie Carter, Jane Butler, David McKenzie, Danny Eckert

9:15am 174 Effects of chronic intermittent hypoxia on genioglossus contractile properties and interventive role of adiponecin Xilong Zhang, Ning Ding

9:30am 175 Single-night multiple-split diagnostic and therapy assessment for type II respiratory failure using positive airway pressure and supplemental oxygen Mark Jurisevic, Therese Faulkner, Anil Roy, Igor Nikiforov, Brian Smith

9:45am 176 Hypertension is associated with undiagnosed obstructive sleep apnea (OSA) during rapid eye movement (REM) sleep Sarah Appleton, Andrew Vakulin, Carol Lang, Gary Wittert, Anne Taylor, Doug McEvoy, Nick Anton, Peter Catcheside, Robert Adams

8:30am – 10:00am Oral presentation 4: Paediatric sleep disorders: Clinical insights MEETING ROOM 208 Chaired by Sadasivam Suresh and Harriet Hiscock

8:30am 177 Auto-titrating CPAP as a tool in CPAP initiation for children Rebecca Mihal, Moya Vandenleer, Margot Davey, Gillian Nixon

8:45am 178 Overnight pulse oximetry as a screening tool for SDB in children with spina bifida Moya Vandenleer, Margot Davey, Sabine Hennel, Gillian Nixon

9:00am 179 Allergies and Disease Severity in Childhood Narcolepsy: Preliminary Findings Secil Aydinoz, Huang Yu-Shu, David Gozal, Clara O. Inocente, Patricia Franco, Leila Kheirandish-Gozal

9:15am 180 Parent knowledge about child sleep: child sleep practices and sleep problems in a hospital population Philippa McDowall, Angela Campbell, Dawn Elder

9:30am 181 EEG spectral changes associated with spontaneous arousals in NREM sleep in children with upper airway obstruction before and after adenotonsillectomy Scott Coussans, Alex Chatburn, Melissa Cava, Mathias Baunert, David Saint, Yvonne Panula, Kurt Lushington, Declan Kennedy, Mark Kohler

9:45am 182 Associations between slow wave activity, cognition and behaviour in children following resolution of sleep disordered breathing Aidan Weichard, Lisa Walter, Samantha Hollis, Gillian Nixon, Margot Davey, Rosemary Horne, Sarah Biggs

8:30am – 10:00am Oral presentation 5: The silent sleep disorders: Insomnia, phase delay and chronic fatigue MEETING ROOM 203 Chaired by Delwyn Bartlett and Melinda Jackson

8:30am 183 The effect of BDNF genotype on Stroop performance during sleep loss Leilah Grant, Sean Cain, Anne-Marie Chang, Charles Czeisler, Clare Anderson
8:45am  184 Quantitative EEG analysis around sleep onset reveals differences between objectively defined Insomnia groups  Anna Mullins, Delwyn Bartlett, Jong-Won Kim, Nathaniel Marshall, Chris Miller, Chris Gordon, Ronald Grunstein

9:00am  185 The Use of Brief Daytime Naps in the Behavioural Treatment of Chronic Primary Insomnia  Leon Lack, Lucy Graham, Nicole Lovato

9:15am  186 Circadian tau differences in biological, behavioural and sleepiness rhythms in Delayed Sleep-Wake Phase Disorder and Non-24-hour Sleep-Wake Disorder patients  Gorica Micic, Nicole Lovato, Michael Gracida, Leon Lack

9:30am  187 Sleep and circadian characteristics in Delayed Sleep Phase Disorder patients  Jade Murray, Tracey Sletten, Michelle Magee, Christopher Gordon, Nicole Lovato, Delwyn Bartlett, David Kennaway, Leon Lack, Ronald Grunstein, Steven Lockley, Shantha Rajaratnam

9:45am  188 Sleep difficulties and increased night-to-night variability in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Objective and subjective findings  Catherine Stevens, Dorothy Bruck

Morning Tea & Exhibition  10:00am – 10:25am
EXHIBITION – MELBOURNE ROOM 1

Keynote Address  10:25am – 11:25am
PLENARY HALL 1
Chaired by Andrew Tai and Chloe Parsley

10:25am  189 Modulation of higher cognitive functions by sleep and circadian processes  Kenneth Wright

10:55am  190 Insomnia, mood and circadian rhythm – what precedes what?  Delwyn Bartlett

Concurrent Poster Discussion
Poster Session 1 – Paediatric sleep  11:30am – 12:30pm
disordered breathing: From screening to treatment
MEETING ROOM 210
Chaired by Andrew Tai and Chloe Parsley

11:30am  191 Early detection of nocturnal hypoventilation in Duchenne muscular dystrophy  Mary Roberts, Anne-Marie Gibson, John Massie, Andrew Kornberg, Monique Ryan, Sarah Ranganathan, Colin Robertson, Mandie Griffiths

11:36am  192 Delayed brachial artery dilation response and increased resting blood flow velocity in young children with mild upper airway obstruction  Anna Kontos, Declan Kennedy, James Martin, Kurt Lushington, Yvonne Pamula, Jennifer Couper, Matthias Baumert, Scott Willoughby, Roger Gent

11:42am  193 Supporting invasively ventilated children in the community – What care is enough?  Carol Wood, Kelly Gray, Karen Waters

11:48am  194 Objective measure of adherence to positive airway pressure therapy in an Australian pediatric cohort  Rita Machaalani, Carla Evans, Karen Waters

11:54am  195 Demographic risk factors for obstructive sleep apnea in Australian children  Knark Tamaryan, Lisa Walter, Margot Davey, Gillian Nixon, Rosemary Horne, Sarah Biggs

12:00pm  196 Associations Between Adenotonsillar Hypertrophy, Age and Obesity in Children with Obstructive Sleep Apnea  Manial Ach, Sharfuddin Mahmud, Rafial Alam, S M Khorsheed Mazumder

12:06pm  197 Nocturnal hypoxia in high altitude native children – incomplete adaptation in children with mixed ancestry  Romola Bucks, Catherine Hill, Ana Baya, Johanna Gavlak, Annette Carroll, Kate Heathcote, Dagnara Dimitriou, VelJne, L’Esperance, Rebecca Webster, John Holloway, Javier Ortega, Fenella Kirkham, Alexandra Hogan

12:12pm  198 A systematic review of the usefulness of pulse transit time in paediatric sleep studies  Laurelle Smith, Patrick Dawes, Carmen Lobb, Barbara Galland

12:18pm  199 Heart rate variability and sleep in preschool children  Rosemary Horne, Lauren Nisbet, Stephanie Yalilourou, Sarah Biggs, Gillian Nixon, Lisa Watler

12:24pm  200 The effect of preterm birth and fetal growth restriction on heart rate and blood pressure during sleep in children  Stephanie Yalilourou, Euan Wallace, Alexandrea Odoi, Aidan Weichard, Samantha Hollis, Rosemary Horne

Poster Session 2 – Management of OSA: Compliance and other conundrums  11:30am – 12:30pm
MEETING ROOM 204
Chaired by Paul Kelly and Alan Young

11:30am  201 Compliance of first-time patients commencing Continuous Positive Airway Pressure (CPAP) and predictors of long-term therapy compliance  Helen Gilbert, Arny Tutunkoff

11:36am  202 CPAP compliance in the older adults; does it differ from younger adults?  Helen Hills, Angela Campbell, Andrew Davies, Alister Neill

11:42am  203 The Feasibility of Telemonitoring CPAP adherence in 2015  Julie Tolson, Tom Churchward, Peter Rochford

11:48am  204 Predictors Of Early CPAP Use In OSA Patients: Wait Times, Physician Factors And Initial Therapy Decisions  Nigel McArdle, Melody Wong, Zhi Qin Ng, Priya Ayyar, Kumaresh Lachman

11:54am  205 Preliminary experience with Remotely Controlled Mandibular Protrusion (RCMP) sleep studies for prediction of Oral Appliance treatment response in an Australian sleep clinic  Kate Sutherland, Joachim Ngiam, Peter Cistulli

12:00pm  206 The management of snoring and obstructive sleep apnoea in Australian primary care: The BEACH study (2000-2014)  Nathan Cross, Christopher Harrison, Brandon Yee, Keith Wong, Ronald Grunstein, Helena Britt, Nathaniel Marshall

12:06pm  207 Effects of oral appliance therapy on the phenotypic causes of obstructive sleep apnoea  Bradley Edwards, Christopher Andara, Scott Sands, Simon Joosten, Shane Landry, Robert Owens, David White, Garun Hamilton, Andrew Wallman

12:12pm  208 Split night sleep studies – do they meet guidelines for technical and clinical outcomes?  Michi Imazu, Angela Campbell, Alister Neill

12:18pm  209 The effect of sleep apnoea severity on neuropsychological function in people with acute quadriplegia and obstructive sleep apnoea  Rachel Schenibir, Jo Spong, David Berlowitz, study team COSAQ

12:24pm  210 OSA Patients Susceptive to Decrements in Neurocognitive Function also Demonstrate Reduced Quality of Life  Brett Duce, Craig Hukins
Interactive Effects of Tobacco Withdrawal

**11:30am**

**211** Development of a caffeine intake questionnaire
Emily Watson, Alison Coates, Siobhan Banks, Lee Prestley, Mark Kohler

**11:36am**

**212** It's not whether you win or lose, but when you play the game: The impact of night-time competition on sleep in professional athletes
Charii Sargent, Gregory Roach

**11:42am**

**213** Ocular motor measures of attention reveal specific signatures of attention failure following sleep restriction and alcohol consumption
Jessica Manousakis, James Lee, Joanne Fielding, Clare Anderson

**11:48am**

**214** A systematic review of the effect of working on-call at home on sleep and stress physiology
Sarah J Hall, Sally A Ferguson, Anne I Turner, Sam Robertson, Brad Asbitt

**11:54am**

**215** Dietary pattern and sleep: cross-sectional associations in a cohort of community Australian dwelling men
Yingting Cao, Gary Wittert, Anne Taylor, Zumin Shi

**12:00pm**

**216** Does napping on the night shift impact daytime recovery sleep?
Stephanie Cantofanti, Jillian Dorrain, Cassie Hilditch, Hans Van Dongen, Siobhan Banks

**12:06pm**

**217** Effect of a 10-minute nap at the end of a night shift on performance on the drive home
Cassie Hilditch, Stephanie Cantofanti, Jillian Dorrain, Hans Van Dongen, Siobhan Banks

**12:12pm**

**218** Is it on or off? Examining patterns of quiescence in wrist actigraphy data for the purpose of determining participant compliance in field-based sleep research
Anastasi Kosmidopoulos, David Darwent, Charli Sargent, Xuan Zhou, Raymond Matthews, Drew Dawson, Gregory Roach

**12:18pm**

**219** Beyond the mean: A systematic review on the correlates of daily intraindividual variability of sleep/wake patterns
Bei Bei, Joshua Wiley, John Trinder, Rachel Manber

**12:24pm**

**220** Evening use of electronic devices – effects on sleep, cognition and performance of elite athletes
Ian Duncan, David Martin, Shona Halson, Brian Dawson, Peter Eastwood

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**Poster Session 4 – Behaviours that affect sleep health – drugs to mindfulness**

**11:30am**

**221** Interactive Effects of Tobacco Withdrawal and Sleep Deprivation on Psychomotor Speed
David Munro, Robert Hester, John Trinder, Christian Nicholas

**11:36am**

**222** Sleep problems and psychological distress are associated with dependence on caffeine and nicotine
Rowan Ogeil, James Phillips

**11:42am**

**223** High rates of polypharmacy in a sleep lab population: a retrospective hospital audit
Vanessa Coe, Brian Smith, Kristin Carson

**11:48am**

**224** Sedatives and Safety: A Matter of Risk Perception and Communication between Pharmacists and Patients
Janet Cheung, Mariam Odisho, Ibrahim Jomaa, Keith Wong, Bandana Saini

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**Poster Session 5 – Advanced Trainees**

**11:30am**

**231** Comparison of the oxygen desaturation index (ODI) generated by the ApneaLink portable device and Compumedics laboratory sleep study system
Yvonne Ng, Simon Joosten, Bradley Edwards, Anthony Turton, Helen Romios, Thilini Samarasinghe, Darren Mansfield, Garun Hamilton

**11:36am**

**232** Understanding respiratory compromise on the first post-operative night after paediatric adenotonsillectomy: the contribution of downloadable oximetry recordings
Katharine Jamieson, Gillian Nixon, Margot Davy

**11:42am**

**233** Spectrum of Sleep Disordered Breathing in Joubert Syndrome
Saikiran Gopalakaje, Chetan Pandit, Chris Seton, Dominic Fitzgerald, Karen Waters

**11:48am**

**234** Prevalence of sleep disturbances in Vietnam veterans (VV) with and without Post-traumatic Stress Disorder PTSD)
Dayna Law, Robyn O’Sullivan, Wendy Harvey, Sarah McLeay

**11:54am**

**235** Treatment Failure of Continuous Positive Airway Pressure in the Management of Obstructive Sleep Apnoea: A Five Year Retrospective Audit from a Large Metropolitan South Australian Hospital Michelle X Z Wong, Emily Hopkins, Aneesah Yeo

**12:00pm**

**236** Melatonin in children with nocturnal enuresis: An exploratory study
Patrina Caldwell, Bernadette Prencille, Karen Waters

**12:06pm**

**237** Periodic leg movements disorder effects on neurocognitive function
Rajiv Sharma, Brett Duce, Joseph Churton, Craig Hukins

**12:12pm**

**238** The role and clinical utility of ward-based respiratory failure units: Experience and outcomes from three Australian Units
Jane Mullins, Bhajan Singh, Michelle Murphy, Craig Hukins, James Douglas, George Tay
12:18pm 239 Awake supine oximetry as a screening tool for severe sleep disordered breathing and hypoventilation in the super-obese Adelle Lee, Subash Srikanta, Saurabh Gupta, Peter R Buchanan, Peter W Collett, Frances Garden, Guy B Marks, Hina Vedmar

12:24pm 240 Domiciliary non-invasive ventilation post lung transplantation Sakhee Kotecha, Catherine Buchan, Kerry Parker, Jo Toghill, Belinda Miller, Matthew Naughton, El Dabscheck

Poster Viewing

Chronobiology/Insomnia and Sleep Health/OHS
12:30pm – 1:15pm
MELBOURNE ROOM 2

241 Chronotherapy in practice - From the perspective of the community pharmacist Gagandeep Kaur, Yuh-Lin Gan, Craig Phillips, Keith Wong, Bandana Saini

242 Developing a sleep requirement calculator for children Scott Coussens, Tim Olds, Michelle Short, Lisa Anne Matricciani, Gabrielle Anne Rigney, Barbara Galland, Sarah Lee Blundon

243 Lost in translation? The role of chronic sleep dysfunction in schizophrenia and related disorders Flavie Waters

244 Does intentional weight-loss improve excessive daytime sleepiness? – A systematic review and meta-analysis protocol Winda Livya Ng, Evelyn Wong, Stephanie Tanamas, Tara Boelsen-Robinson, Christopher Stevenson, Jonathan Shaw, Matt Naughton, John Dixon, Anna Peeters

245 Heart rate variability in insomnia patients: a preliminary analysis Kirsty Dodds, Nathaniel Marshall, Christopher Miller, Jon-Won Kim, Delwyn Bartlett, Ronald Grunstein, Christopher Gordon

246 Managing complex restless legs syndrome with inadequate response to first-line therapy or development of augmentation Claire Ellender, David Kennaway, Leon Lack

247 Nocturnal melatonin profiles in patients with Delayed Sleep-Wake Phase Disorder and control sleepers Gorica Mxic, Nicole Lovato, Michael Gradisar, Helen Burgess, Sally Ferguson, David Kennaway, Leon Lack

Sleep and Breathing - Clinical
MELBOURNE ROOM 2
12:30pm – 1:15pm

248 Does caffeine consumption during extended wake change self-reported hunger and satiety? Crystal Grant, Gemma Paech, Chris Delia Vedova, Maja Rajcan, Jill Dorrain, Alison Coates, Siobhan Banks

249 Impact of the treatment effect with continuous positive airway pressure between older and adult obstructive sleep apnea syndrome patients Yasunobu Gohira

250 Clinical features associated with successful outcomes for a rapid wean from NIV in type 2 respiratory failure Csaba Varga, Dinithi Samararatunga

251 Magnetic resonance imaging of the upper airway in patients with quadriplegia and obstructive sleep apnoea Hailey Meakim, David Berlowitz, Graeme Jackson, Alan Connelly, Shawna Farquharson, Doug Brown, Lynne Bilston, Alice Hatt, Peter Cistulli, Kate Sutherland, Fergal O’Donoghue

252 The Relationship between Weight Loss and Positional Obstructive Sleep Apnoea Jun Keng Khoo, Simon Joosten, John Dixon, Bradley Edwards, Matthew Naughton, Garun Hamilton

253 Epworth Sleepiness Score variability across referral pathway for suspected obstructive sleep apnoea and effect of Ministry of Health maximum waiting list time Alister Neill, Daniel Scott, Angela Campbell

254 Accessing publicly funded adult sleep apnoea services in New Zealand Alister Neill, Daniel Scott, Angela Campbell

255 Recruiting Outside the Box: An Analysis of Recruitment Methods used in a Treatment Resistant OSA Population Julia Chapman, Elizabeth Cayanan, Devtosh Banerjee, Yasmina Djavadkhani, Haider Naqvi, Keith Wong, Brendan Yee, Ron Grunstein, Nathaniel Marshall

256 Catathrenia: did you hear that?! Matthew Leong, Lynn Hoey

257 Cardio-ankle vascular index as a predictor of obstructive sleep apnea Yasuhiro Tomita, Takatoshki Kasai, Koji Narui

Sleep and Breathing – Treatment
12:30pm – 1:15pm
MELBOURNE ROOM 2

258 Non-conventional use of home CPAP in children Montaha AL-Iede, Radhagni Kumaran, Karen Waters

259 The use of SleepMapper (a patient self-management application) improves CPAP compliance in Australian patients Julie Yarascavitch, Jade Pittard, Christy Stitt, Mark Alota

260 Applying a chinstrap for mouth leak: always a good idea, right? Matthew Leong, Lynn Hoey

261 A Model for Remote Follow-up of Stable Obstructive Sleep Apnoea Patients Menthis Majurey, Cat Chang, Muhammed Asad Khan

262 The effect of one night of CPAP on sleep architecture in patients with obstructive sleep apnoea – An obese vs non-obese comparative study Dev Banerjee, Michael Cheng, Frances Clements, Ron Grunstein

Advanced Trainees
MELBOURNE ROOM 2
12:30pm – 1:15pm

263 Parasomnias in Vietnam veterans with and without PTSD Dayna Law, Robyn O’Sullivan, Wendy Harvey, Sarah McLeay

264 Effects of perception of sleep problems on outcomes Rajiv Sharma, Brett Duce, Craig Hukins

265 Negative Effort Dependence (NED) in a Starling Resistor Bench Model of the Upper Airway: Role of Surrounding Pressure Benjamin Kolevski, Christopher Lambeth, Jyotsnana Narayan, Terence Amis, Kristina Kairaltis

266 Long-term follow up of treatment usage in OSA patients participating in a short-term crossover trial of CPAP versus Oral Appliance Treatment Aalia Thasneem Saleem, Kate Sutherland, Craig Phillips, Peter Cistulli

267 Results of Twelve Months of a Multidisciplinary Sleep Apnoea Unit Nicholas Fitzpatrick, Kasira Taghian, Darren Mansfield, Andrew Hays, James Robertson, Glen Burgess

268 A New Zealand survey of narcolepsy management, access to specialist care and therapeutic options Andrew Davies, Alister Neill, Angela Campbell
An analysis of CPAP program non-compliers at Western Health
Anne Marie Southcott, Lynnette Reid-Price, Shavita Kuckreja

Autoset continuous positive airway pressure (APAP) therapy: argument for use in children
Vikas Goyal, Patricia Wales, Jasneek Chawla

Acute non-invasive ventilation at the Prince Charles Hospital (TPCH)
George Tze Ping Tay, Dugal Smith, Jijo Anthony, Frances Kirneear, Brendan Bell, James Douglas

Lunch & Exhibition
1:15pm – 2:00pm
EXHIBITION – MELBOURNE ROOM 1
Exhibition closes at 2:00pm - all posters to be removed.

Concurrent Symposia

S11: Marrying anatomy with physiology in OSA phenotypes
2:00pm – 3:30pm
MEETING ROOM 210
Chaired by Stuart Mackay

2:00pm
272 Adult OSA anatomical phenotypes: Structural and luminal
Tucker Woodson

2:25pm
273 Adult OSA physiological phenotypes: Current status
Peter Eastwood

2:50pm
274 What the sleep physician thinks of marrying the anatomy and physiology
Andrew Jones

3:00pm
275 What the sleep surgeon thinks of marrying the anatomy and physiology
Ofer Jacobowitz

3:10pm
Discussion & Questions

S12: Optimising care delivery with limited resources – diagnosis and management of paediatric OSA
2:00pm – 3:30pm
MEETING ROOM 208
Chaired by Gillian Nixon and Kelvin Kong

2:00pm
276 Planning adenotonsillectomy for paediatric obstructive sleep apnoea – what can sleep tests contribute?
Gillian Nixon

2:30pm
277 The role of an anaesthetist in managing surgery for obstructive sleep apnoea
Noel Roberts

2:50pm
278 How do sleep tests help an ENT surgeon?
Libby Rose

3:10pm
Panel discussion
Gillian Nixon, Noel Roberts, Libby Rose

S13: Turning sleep on and off: Current topics in sleep pharmacology
2:00pm – 3:30pm
MEETING ROOM 207
Chaired by Ron Grunstein

2:00pm
279 The dream robbers and the sleep thieves: Prescription drugs, recreational drugs and insomnia
Iain McGregor

2:30pm
280 Stilnoxitis – Media, society and government responses to hypnotic therapy
Ron Grunstein

3:00pm
281 Orexin receptor antagonists in insomnia: Preclinical and clinical considerations
Daniel Hoyer

S14: Modulation of mood
2:00pm – 3:30pm
Understanding the link between biological rhythms and affective functioning
MEETING ROOM 204
Chaired by Melinda Jackson and Nicole Lovato

2:00pm
282 Nature’s clocks and human mood: neuroimaging the brain basis of circadian modulation of reward
Gregory Murray

2:25pm
283 Circadian dysfunction in depression: what do we know
Sean Cain

2:50pm
284 TBA

3:10pm
285 The relationship between sleep and depressed mood in developing teens
Nicole Lovato

S15: Structural, functional and cellular changes in the brain during sleep deprivation and in OSA
2:00pm – 3:30pm
MEETING ROOM 203
Chaired by Russell Conduit and Stephen Robinson

2:00pm
286 The impact of sleep deprivation on default mode network function
Sean Drummond

2:30pm
287 Neuropathological changes in obstructive sleep apnoea
Stephen Robinson

3:00pm
288 Brain structural and functional changes associated with elevated MSNA in OSA and their reversal following CPAP treatment
Luke Henderson

Afternoon Tea & Exhibition
3:30pm – 4:00pm
EXHIBITION – MELBOURNE ROOM 1

Plenary
From benchtop to bedside to blue sky
4:00pm – 5:30pm
PLENARY HALL 1
Chaired by Maree Barnes

4:00pm
290 Go wild and sleep outside the box
John Lesku

4:10pm
291 Sleep disordered breathing
Peter Cistulli

4:20pm
292 Measurement of sleep
Peter Rochford

4:30pm
293 Insomnia
Delwyn Bartlett

4:40pm
294 Paediatric sleep
Gillian Nixon

4:50pm
295 Circadian rhythm disorders
Shantha Rajaratnam

5:00pm
Discussion

Gala Dinner
7:00pm
MELBOURNE ROOM 2
about our sponsors

ResMed

Changing lives with every breath

The global team at ResMed (NYSE:RMD) is united in the commitment to change millions of lives with every breath. With more than 4,000 employees and a presence in over 100 countries, the company has been pioneering new and innovative devices and treatments for sleep-disordered breathing, chronic obstructive pulmonary disease, and other chronic diseases for more than 25 years. ResMed's world-leading products and innovative solutions improve the quality of life for millions of patients worldwide, reduce the impact of chronic disease, and save healthcare costs.


Fisher & Paykel Healthcare

Fisher & Paykel Healthcare is a leading designer, manufacturer and marketer of products and systems for use in respiratory care, acute care and the treatment of obstructive sleep apnea. We first entered the obstructive sleep apnea market with the introduction of a heated humidifier, adapted from our sophisticated ICU technology. Our footprint has increased significantly over the years and we now operate in more than 120 countries worldwide. Today, we offer a comprehensive range of CPAP devices, masks and humidifiers that help patients achieve therapy adherence. We are dedicated to working with healthcare professionals to improve patient care and outcomes through inspired and world-leading healthcare solutions.

For more information on Fisher & Paykel Healthcare, visit www.fphcare.com.au

Philips Respironics

Our mission at Philips is to improve the lives of many through meaningful innovations in Sleep and Respiratory Therapy. Our personalised sleep and COPD therapies help to treat diseases ranging from obstructive lung disease to sleep disordered breathing. We aim to make it easy for everyone to engage in their care and integrate it into everyday life, improving their experience, compliance and results. Our technologies and solutions allow every individual to embrace their condition in order to regain control, feel human again, and live the life they want. Simply put, our products can help your patients rediscover their dreams.

Take back your dreams: Our transformational therapy options are redefining sleep apnoea treatment, seamlessly connecting care teams with patients - providing collaborative, personalised sleep apnoea care. Discover our innovations that are empowering people to rediscover their dreams and restoring their ability to sleep and breathe naturally.

Teva

Teva is a leading global pharmaceutical company that delivers high-quality, patient-centric healthcare solutions to millions of patients every day. Teva is the world's largest generic medicines producer, leveraging its portfolio of more than 1,000 molecules to produce a wide range of generic products in nearly every therapeutic area. In specialty medicines, Teva has a world-leading position in innovative treatments in CNS, Oncology, Respiratory & Women’s Health. Innovation around existing molecules is all about developing new specialty medicines (NTEs) based on known and approved chemical molecules. These molecules are reformulated, repurposed or re-engineered to be delivered in a new way to address specific, unmet patient needs.

BOC

A Member of The Linde Group

BOC has been providing quality sleep therapy to patients in Australia for over 10 years. As part of the Linde Group, we have extensive global and local experience treating patients with sleep disorders. With a hands-on approach, we can help to match the right sleep apnoea therapy device and mask to the patient, and provide dedicated patient support through our sleep therapy program.

Working with BOC Sleep Care, we provide:

- Clinical empowerment: Continuous collaboration with our clinical advisory board provides greater insight on how we can best help physicians.
- Independent device expertise: With our global portfolio of devices, from leading brands, BOC Healthcare gives the patient greater individual choice and, consequently, a better chance of success.
- Sustained compliance: Monitoring progress, in terms of compliance and well-being, provides more transparency. We can support patients by working through their concerns in therapy.
Take back your dreams

Introducing the Dream family – our innovative, comprehensive suite of sleep apnoea therapy solutions. Our DreamStation CPAP machine offers more remote monitoring options than any leading CPAP brand, keeping you connected to your patients and their treatment protocol*. DreamWear under the nose nasal mask prevents red marks, discomfort and irritation on the bridge of the nose**. DreamMapper, our mobile and web-based solution, helps patients to take a more active role in their therapy.

Visit our booth to discover the Dream family – helping patients rediscover their dreams.

** Mask does not directly contact the bridge of the nose or nostrils.
fun run

Sleep DownUnder 2015
Yarra River, Melbourne
Thursday 22 October 2015

Start/Finish at Start Area – at all times the Yarra River should be on your right.

- As you near the Swan Street Bridge – go under it – continue on this path.
- Cross the Morell bridge – as you come off the bridge turn right, keeping the river at your right.
- After crossing the bridge, at the first opportunity turn right down the riverside path.
- Follow the Yarra – you will need to leave the paved area for a while.
- Do another lap for 8km or 2 laps for 12km.

Pass the rowing sheds – finish at the starting line.

4km run complete.

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