

ANZSRS 2010

Detailed Program

Friday 19 March

1300-1700	ANZSRS Board Meeting	<i>Mezzanine 5&6</i>
1700-2000	Registration desk opens	<i>Ground Floor Foyer</i>
1830-2030	ANZSRS Welcome Reception	<i>River Room</i>

Saturday 20 March

0800	Registration Desk Opens	<i>Ground Floor Foyer</i>
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0830-1000	Plenary Session – “The Past”	<i>Mezzanine 1&2</i>
	Chairs: Maureen Swanney, NZ & Debbie Burton, NSW	
0830	Official Welcome	
0840	RECORDING LUNG FUNCTION – THEN, NOW, AND WHERE NEXT? Dr Martin Miller, UK	
0930	30 YEARS OF THE ANZSRS – A RETROSPECTIVE Mr Paul Guy, Vic & Professor Alan Crockett, SA	
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1000-1030	Morning Tea & Trade Exhibition	<i>Great Halls 3&4</i>
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1030-1200	Young Investigator Oral Presentations	<i>Mezzanine 1&2</i>
	<i>Sponsored by Bird Healthcare</i>	
	Chairs: Sue Downie, NSW & Paul Kelly, NZ	
1030	AO01 AUSTRALASIAN RESPIRATORY LABORATORY PERCUTANEOUS ARTERIAL BLOOD GAS SAMPLING AND ANALYSIS PRACTICES VERSUS AARC GUIDELINES <u>Christopher A O’Dea</u> , Maureen P Swanney	
1045	AO02 THE EFFECT OF DIRECT VERSUS INDIRECT CHALLENGES ON VENTILATION HETEROGENEITY <u>Matthew Ellis</u> , Vanessa J Kelly, Brigitte M Borg, Bruce R Thompson	
1100	AO03 IMPACT OF TRIAGE BY RESPIRATORY SCIENTISTS ON GENERAL PRACTITIONER REFERRALS FOR RESPIRATORY FUNCTION <u>Jun Yang</u> , Josh Stanton, Christopher O’Dea, Lutz Beckert, Maureen P Swanney	
1115	AO04 THE EFFECT OF GAS EXCHANGE ON MEASURES OF VENTILATION HETEROGENEITY IN THE MOUSE LUNG <u>Mahesh Dharmakumara</u> , Charles Hardy, Bruce Thompson	
1130	AO05 THE EFFECT OF LUNG VOLUME CHANGES IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) ON THE MEASUREMENT OF BODY COMPOSITION USING AIR DISPLACEMENT PLETHYSMOGRAPHY (BOD POD) <u>Kylie Way</u> , BR Jennings, BJ Strauss, Y Moodley, PG Bardin, PA Guy	
1145	AO06 MULTIBREATH NITROGEN WASHOUT: HOW LONG MUST WE WAIT? <u>Elizabeth Salamon</u> , Kevin Gain, Graham Hall	

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1200-1300	Lunch & Trade Exhibition	Great Halls 3&4
1300-1430	Poster Session	Mezzanine 1&2
AP01	FUNCTIONAL RESPIRATORY ABNORMALITIES IN CHILDREN AND ADOLESCENTS WITH ACTIVE CROHN'S DISEASE: A PILOT STUDY <u>Louise King</u> , Liam Welsh, Manuel Soto-Martinez, Gabriela Jiminez, Mark Oliver, Anthony Catto-Smith, Marisol Tomai, Philip Robinson	
AP02	PRE-FLIGHT TESTING ON EX-PRETERM INFANTS WITHOUT CHRONIC NEONATAL LUNG DISEASE <u>Brigitte Mason</u> , Cara Bosslely, John Smyth, Ian Balfour-Lynn, Adam Jaffe FUNCTIONAL	
AP03	DAY TO DAY VARIABILITY OF LUNG CLEARANCE INDEX IN HEALTHY ADULTS <u>Brigitte K Mason</u> , Barbara O'Donovan, Yvonne Belessis, John Morton	
AP04	ACOUSTIC WHEEZE DETECTION IN THE SLEEP LABORATORY. DOES IT HAVE A ROLE? <u>Nicole Micallef</u> , Elise White, Jeremy Goldin, Philip Dionysopoulos, Jackie Eritaia, Tim Dimitriadis	
AP05	SIX MINUTE WALK TEST (6MWT) PRACTICES: ADHERENCE TO THE 2002 AMERICAN THORACIC SOCIETY (ATS) GUIDELINES. <u>Linda Ruedinger</u> , Brenton Eckert	
AP06	IS THERE A BETTER WAY OF ESTIMATING MAXIMUM VOLUNTARY VENTILATION (MVV)? <u>Robin Schoeffel</u> , CE Walsh, DA Bolton, C Htun, C Tekstra-Kay, GG King	
AP07	ESTIMATION OF MAXIMUM VOLUNTARY VENTILATION (MVV) FOR CALCULATION OF BREATHING RESERVE (BR) MISLEADS INTERPRETATION OF CARDIOPULMONARY EXERCISE TESTS <u>Christopher Htun</u> , RE Schoeffel, CE Walsh, D Bolton, C Tekstra-Kay, GG King	
AP08	ERRORS IN DERIVED OXYGEN UPTAKE (VO ₂) CAUSED BY INACCURATE GAS ANALYSIS <u>Jennifer Savage</u> , David Johns, Bruce Thompson, Irene Szollosi	
AP09	SIX MINUTE WALK TEST: COMPLIANCE WITH ATS GUIDELINES <u>Rebecca Harper</u> , Sonya D Johnston, Andrew T Thornton	
AP10	SYNCHRONISING A PNEUMOTACHOMETER AND SELECTED ION FLOW TUBE – MASS SPECTROMETER FOR BREATH ANALYSIS <u>Jack Dummer</u> , M Storer, J Scotter, C Frampton, M Swanney, M Epton	
AP11	A PERFORMANCE EVALUATION OF THE PIKO-6 LUNG FUNCTION DEVICE <u>Alison Bullen</u> , Sonia E Diaz, Jennifer M Savage	
AP12	SUPPORTING AND MONITORING THE QUALITY OF COMMUNITY SPIROMETRY <u>Josh Stanton</u> , Lutz E Beckert, Maureen P Swanney	
AP13	A NORMAL FVC IN THE ABSENCE OF AIRFLOW LIMITATION INDICATES A LOW PROBABILITY OF LUNG RESTRICTION	

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Jarrold Warner, Brenton Eckert

- AP14** REGULAR SPIROMETRY WITH MEDICAL REVIEW IS NOT ASSOCIATED WITH IMPROVEMENT IN LUNG FUNCTION IN GENERAL PRACTICE
Eleonora Del Colle, Joan Green, Anne Adikari, Rosa Schattner, Pam Simpson, Rory Wolfe, Nabil Sulaiman, Michael Abramson, Frank Thien
- AP15** AN EVALUATION OF A NEW PULSE OXIMETER CAPABLE OF NON-INVASIVE ESTIMATION OF TOTAL HAEMOGLOBIN
Jeff Pretto, Allyson L Upward, Michael J Hensley
- AP16** DIFFERENCES IN RE-EMERGENCE OF LUCIFERASE EXPRESSION IN LUNG FOLLOWING NASAL INSTILLATION OF A LENTIVIRAL VECTOR IN NORMAL AND CYSTIC FIBROSIS MICE
Patricia Cmielewski, Don Anson, David Parsons
- AP17** CONDUCTANCE- AND DISTENSIBILITY- LUNG VOLUME RELATIONSHIPS IN ASTHMA
Vanessa Kelly, NJ Brown, GG King, BR Thompson
- AP18** AUTOMATED DETECTION OF THE ALVEOLAR PLATEAU DURING MULTIPLE BREATH NITROGEN WASHOUT
Christopher Stuart-Andrews, Vanessa J Kelly, Scott A Sands, Bruce R Thompson
- AP19** ESTABLISHING THE FIRST PUBLIC LUNG FUNCTION LABORATORY ON THE GOLD COAST
Debbie Zagami, Pathmanathan Sivakumaran
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1430-1500 Afternoon Tea & Trade Exhibition **Great Halls 3&4**

1500-1630 **Clinical Controversies** **Mezzanine 1&2**
Chairs: Catherine Walsh & David Schembri, SA

1500 THE USE OF CARDIO-PULMONARY EXERCISE TESTING (CPET) IN PATIENT PRE-OPERATIVE ASSESSMENT
Dr Paul Older, Vic

1545 YES OR NO TO FENO – THE CLINICAL UTILITY OF EXPIRED NO MEASUREMENTS.
Ms Helen Petsky, Qld & Dr Peter Franklin, WA

1640-1730 **Annual General Meeting** **Mezzanine 1&2**

1900-2330 **ANZSRS Conference Dinner**

Sunday 21 March

0645 Registration desk opens **Ground Floor Foyer**

0830-1000 **Conjoint ANZSRS/TSANZ Plenary Session** **Great Hall 2**
Chairs: Philip Thompson, WA & Lily Daviskas, NSW

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- 0830 EARLY ORIGINS OF ASTHMA: WHO IS REALLY AT RISK?
Professor Peter Sly, WA
- 0900 RETHINKING THE PATHOGENESIS OF ASTHMA
Professor Stephen Holgate, UK
- 0930 BRONCHIAL PROVOCATION TESTING – LOOKING BACK, MOVING FORWARD
Dr Sandra Anderson, NSW
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- 1000-1030 Morning Tea & Trade Exhibition
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- 1030-1200** **Oral Presentations 1** **Mezzanine 1&2**
Chairs: Trevor Borgas, NSW & Pam Liakakis, Vic
- 1030 **AO07** PULSED OXYGEN DEVICES ARE NOT SUITABLE FOR USE DURING SLEEP
Brigitte Borg, M Faizel Hartley, Christopher Stuart-Andrews
- 1045 **AO08** PRESENCE OF RESPIRATORY SYMPTOMS IN YOUNG CHILDREN WITH A HISTORY OF BRONCHOPULMONARY DYSPLASIA CAUSES WORSENING OF DISTAL LUNG FUNCTION
Maureen Verheggen, A Wilson, J Pillow, S Stick, G Hall
- 1100 **AO09** WORK RATE AND OXYGEN CONSUMPTION DURING CARDIO-PULMONARY EXERCISE TESTING
Christopher Stuart-Andrews, Bruce R Thompson
- 1115 **AO10** INTER-RATER RELIABILITY IN THE INTERPRETATION OF LUNG FUNCTION TESTS
Peter Rochford, P Liakakos, PA Guy, DJ Brazzale, CF McDonald, G Hamilton, JJ Pretto
- 1130 **AO11** EXHALED BREATH ANALYSIS CHARACTERISES LUNG CANCER
Annette Dent, Rayleen Bowman, Paul Zimmerman, Ian Yang, Kwun Fong
- 1145 **AO12** PRELIMINARY DATA SUGGESTS THAT ON-LINE NASAL NITRIC OXIDE (NNO) MEASUREMENTS ARE A VALID DIAGNOSTIC ADJUNCT FOR PRIMARY CILIARY DYSKINESIA (PCD)
Peter Rogers, Lachlan J Buddle, Leigh M Seccombe, Lucy C Morgan
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- 1200-1300 Lunch & Trade Exhibition **Great Halls 3&4**
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- 1300-1430** **Oral Presentations 2** **Mezzanine 1&2**
Chairs: David Johns, Qld & Janine Fern, Qld
- 1300 **AO13** GLOSSOPHARYNGEAL BREATHING ALTERS DISTRIBUTION OF PULMONARY PERFUSION AND THORACIC STRUCTURE IN BREATH-HOLD DIVERS
Leigh Seccombe, Steven CS Chung, Christine R Jenkins, Clayton J Frater, Doug WJ Mackey, Mark A Pearson, Louise Emmett, Matthew J Peters
- 1315 **AO14** LOWERING FRC INCREASES VENTILATION HETEROGENEITY IN NON-OBESE SUBJECTS

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	<u>David Chapman</u> , Norbert Berend, Karla Horlyk, Greg King, Cheryl Salome	
1330	AO15 WIDESPREAD AIRWAY CLOSURE IN NON-ASTHMATIC SUBJECTS MEASURED BY VENTILATION IMAGING <u>Catherine Walsh</u> , Elizabeth Bailey, Cheryl M Salome, Norbert Berend, Gregory G King	
1345	AO16 THE UTILITY OF AIRWAY DISTENSIBILITY AS A MEASURE OF AIRWAY MECHANICS IN ASTHMA <u>Vanessa Kelly</u> , NJ Brown, GG King, BR Thompson	
1400	AO17 PARTIAL VOCAL CORD PARALYSIS IDENTIFIED ON LUNG FUNCTION IS SPECIFICALLY CHARACTERISED WITH 320-SLICE CT OF THE LARYNX <u>Laurence Ruane</u> , PA Finlay, K Lau, M Crossett, PA Guy, PG Bardin	
1415	AO18 CHALLENGES FOR HIGH-RESOLUTION IMAGING OF AIRWAYS IN LIVE MICE USING SYNCHROTRON X-RAYS <u>Martin Donnelley</u> , Kaye Morgan, Karen Siu, David Parsons	
1430-1500	Afternoon Tea & Trade Exhibition	Great Halls 3&4
1500-1645	Plenary Session – “The Future” <u>Chairs:</u> Annette Dent, Qld & Graham Hall, WA	Mezzanine 1&2
1500	USING LUNG FUNCTION DATA – THEN, NOW AND WHERE NEXT? Dr Martin Miller, UK	
1545	EXHALED BREATH BIOMARKERS Dr Deborah Yates, NSW	
1630	Prizes and close of ANZSRS Meeting	Mezzanine 1&2
1700	Sunday Afternoon Drinks	Mezzanine Foyer

Monday 22 March

0730	Registration desk opens	Ground Floor Foyer
0800-1015	Oxygen Symposium <i>Sponsored by Air Liquide and Breathe21</i> <u>Chairs:</u> Alan Crockett, SA & Faizel Hartley, Vic OXYGEN THERAPY: A NEW LOOK AT AN OLD TREATMENT Professor Richard Beasley, NZ SUPPLEMENTAL O2: LABORATORY ASSESSMENT Mr Brenton Eckert, Qld DOMICILIARY O2 GUIDELINES: WHAT IS THE EVIDENCE? A/Professor Christine McDonald, Vic DOMICILIARY O2 IN AUSTRALIA: 1 GUIDELINE, 59 SERVICES Mr John Serginson, Qld	Mezzanine 1&2

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DOMICILIARY O2: PATIENT & EQUIPMENT ISSUES
Ms Brigitte Borg, Vic

1000-1030 Morning Tea and Trade Exhibit **Great Halls 3&4**

1030-1200
A **Concurrent Workshops**
Research Workshop – “Ethics of Research” **Plaza 5**
ETHICS REQUIREMENTS TODAY: LEARNING FROM THE PAST
Dr Sally Young

ETHICS APPLICATIONS: WHAT ETHICS COMMITTEES LOOK FOR?
Dr Andrew Thornton, SA

B **CRFS Workshop** **Mezzanine 1&2**

CORRECTION FACTORS, GAS LAWS, MASS BALANCE AND OTHER KEY
EQUATIONS AND CONCEPTS
Mr Peter Rochford, Vic

GAS ANALYSERS AND ANALYSIS - WHAT YOU NEED TO KNOW
Mr David Johns, Qld

1500-1630 **Joint ANZSRS/TSANZ Masterclass – “Exercise”** **Great Hall 2**
Chairs: Jeff Pretto, NSW and Craig Hukins, Qld

THE PHYSIOLOGICAL BASIS AND INTERPRETATION OF CPET
Dr Paul Older, Vic

EVALUATING A CHILD WITH PERCEIVED EXERCISE LIMITATION
A/Professor Hiran Selvadurai, NSW

NOVEL MEASUREMENTS DURING EXERCISE
Mr Danny Brazzale, Vic

1630 Close of ANZSRS sessions