

Australian & New Zealand Society of Respiratory Science Inc

15th Annual Scientific Meeting Hamilton Island, Queensland 8-10 April, 1994

Invited Speakers: **Dr Jerry Dempsey**
University of Wisconsin
Madison WI, USA.

Dr Sandra Anderson
Royal Prince Alfred Hospital
Sydney. NSW.

Celia Lanteri
Western Australian Research Institute for Child Health.
Perth. WA.

Stephen West
Westmead Hospital
Sydney. NSW.

Scientific Program

Oral Presentations

CHANGES IN TRANSFER FACTOR FOR CARBON MONOXIDE IN THE SAME
HEALTHY SUBJECTS OVER 16 TO 27 YEARS.

RE Schoeffel, SD Anderson

Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW.

INTERLABORATORY VARIATION IN MEASURED RESPIRATORY FUNCTION; A
PILOT STUDY OF ADELAIDE RESPIRATORY LABORATORIES.

PG Rogers, DW Parsons, JD Kennedy, JA Martin, RE Staugas

Dept. Pulmonary Medicine, Women's & Children's Hospital, North Adelaide. SA.

THE EFFECT ON LUNG FUNCTION OF A FILTER DESIGNED TO REDUCE CROSS
INFECTION DURING TESTING.

CM Ingram, DP Johns, H Booth, T Williams, EH Walters

Dept. Respiratory Medicine, Alfred Hospital, Prahan. Vic.

COMPARISON BETWEEN THE PORTABLE STATPAL II AND THE CORNING 178
BLOOD GAS ANALYSERS.

SD Anderson, J Camps & R Freed

Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW.

MEASUREMENT OF BASELINE MUCOCILIARY CLEARANCE AND EFFECT OF AMILORIDE AND HYPERTONIC SALINE ON MUCOCILIARY CLEARANCE IN PATIENTS WITH CYSTIC FIBROSIS.

M Robinson, JA Regnis, DL Bailey, SR Meikle, J Peat, PTP Bye

Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW

A SIMPLE METHOD TO REMOVE SPUTUM, AND TO CONTROL AND MEASURE ASSOCIATED GAS FLOW, DURING METABOLIC TESTING IN CF CHILDREN UNDERGOING CHEST PHYSIOTHERAPY.

DW Parsons & M Williams.

Dept. Pulmonary Medicine, Women's & Childrens Hospital, North Adelaide. SA.

SPIROMETRIC CHANGES IN THE EIGHT MONTHS POST BILATERAL SINGLE SEQUENTIAL LUNG TRANSPLANT (BSSLTx).

PG Rogers, DH Bryant, P Mboloi, AR Glanville, P McDonald, A Keogh, P Spratt.

Dept. Thoracic Medicine. St Vincents Hospital, Sydeny. NSW.

ECHOCARDIOGRAPHIC ESTIMATIONS OF PULMONARY ARTERY PRESSURE (PAp) AS A PREDICTOR OF MORTALITY FROM LUNG CANCER RESECTION.

BR Thompson, JA Johns, L Hopkins, RJ Pierce.

Dept. thoracic Medicine. Heidelberg Repatriation Hospital, Melbourne. Vic.

THE EFFECT OF INTRAVENOUS SUBSTANCE P ON AIRWAY RESISTANCE IN SHEEP.

A Reynolds, A Rice, R Scicchitano, A Thornton.

Lung Research Laboratory, Thoracic Medicine Dept. Royal Adelaide Hospital. SA.

DIFFERENCE IN TRUE AROSOL OUTPUT BETWEEN DEVIBISS 40 & 45 HAND HELD NEBULISERS.

CJ Hartley-Sharpe, H Booth, DP Johns, EH Walters.

Dept. Respiratory Medicine, Alfred Hospital, Prahan. Vic.

EFFECT OF ACCELERATED AGEING ON THE REPRODUCIBILITY OF PEAK FLOW METERS.

EA Side, J Carino, H Booth, EH Walters, DP Johns.

Dept. Respiratory Medicine, Alfred Hospital, Prahan. Vic.

A COMPARISON OF FEV1 AND FEF25-75 DURING HISTAMINE PROVOCATION TESTING.

J Furler, K Sims.

Dept. Thoracic Medicine, Woden Valley Hospital. ACT.

Keynote Speakers

RESPIRATORY MECHANICS: WHAT ARE THEY AND HOW TO MEASURE THEM.
Celia Lanteri.

Division of Clinical Sciences, WA Research Institute for Child Health. Perth, WA.

UPDATE ON NORMAL VALUES.

Stephen West.

Respiratory Function Laboratory, Westmead Hospital, Westmead. NSW.

THE LABORATORY ASSESSMENT OF A PERSON WITH A PAST HISTORY OF
ASTHMA INTENDING TO DIVE WITH COMPRESSED AIR/SELF CONTAINED
BREATHING APPARATUS (SCUBA).

Sandra Anderson.

Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW

ASPECTS OF THE RESPIRATORY SYSTEM THAT LIMIT EXERCISE CAPACITY.

Dr Jerry Dempsey.

University of Wisconsin, Madison, WI. USA.

Poster Presentations

INTERLABORATORY VARIABILITY OF PULMONARY FUNCTION TESTS.

B Eckert, KA Smith.

Respiratory Medicine, Princess Alexandra Hospital, Brisbane. Qld.

FLOW-VOLUME CURVE CHANGES IN SLEEP APNOEA AND BRIEF UPPER
AIRWAY DYSFUNCTION

P Guy, P Rochford, C Worsnop, K Salomon, A Campbell, R Pierce

RESPIRATORY MUSCLE STRENGTH: NORMAL VALUES & METHODOLOGY.

JM Ingram, PV Zimmerman

Respiratory Investigation Unit, The Prince Charles Hospital, Brisbane. Qld.

ALGORITHM FOR THE MEASUREMENT OF ANATOMIC DEADSPACE.

J Alvarez, X Li, J Wilson, EH Walters, DP Johns.

Dept. Respiratory Medicine, Alfred Hospital, Prahan. Vic.

DAILY VARIATION IN MEASURED PaO₂ IN COAD AFFECTS ELIGIBILITY FOR
LONG TERM OXYGEN THERAPY (LTOT).

V LeBlanc, J Mikhail, D Langton.

Dept. Thoracic Medicine, Mornington Peninsula Hospital, Frankston. Vic.

ASSESSMENT OF NEBULISERS & PUMPS FOR HOSPITAL USE.

M Brown, B Eckert

Dept. Thoracic Medicine, Royal Brisbane Hospital. Brisbane. Qld.

CHANGES IN MUCOCILIARY CLEARANCE (MCC) DURING AND AFTER
ISOCAPNIC HYPERVENTILATION (ISH) IN ASTHMATIC & HEALTHY SUBJECTS.

E Daviskas, SD Anderson, I Gonda, HK Chan, P Cook, R Fulton.

Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW

MUCOCILIARY CLEARANCE (MCC) DURING AND AFTER ISOCAPNIC HYPERVENTILATION (ISH) IN THE PRESENCE OF FUROSEMIDE IN ASTHMATIC & HEALTHY SUBJECTS.

E Daviskas, SD Anderson, I Gonda, HK Chan, D Bailey, G Bautovich
Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW

ESTIMATION OF SO₂ UPTAKE AND THE TOTAL DOSE OF SO₂ INHALED DURING SO₂ AND METABISULPHITE CHALLENGES.

R Simmul, P Field, M McLean, N Berend.
Dept. Thoracic Medicine. Royal North Shore Hospital, Sydney. NSW.

THE ONSET, DURATION AND PEAK BRONCHODILATOR EFFECT OF SALMETEROL (50ug) DELIVERED FROM A PRESSURISED METERED DOSE INHALER (PMDI) ALONE AND THROUGH A VOLUMATIC SPACER.

SD Anderson, PJ Thompson, T Williams, J Du Toit.
Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown. NSW