

Australian & New Zealand Society of Respiratory Science Inc

17th Annual Scientific Meeting Perth, Western Australia 22-24 March, 1996

Invited Speakers: **Adrian Kendrick**
Principal Research Scientist
Sleep Unit, Bristol General Hospital. UK

Danna Ross
Research Specialist
Inhalation Technology, 3M Pharmaceuticals, USA.

Scientific Program

Oral Presentations

THE EFFECT OF NITROUS OXIDE ON THE SINGLE BREATH DIFFUSING CAPACITY MEASUREMENT.

C Phillips, R Simmul, A Smith, N Berend.

Dept. Respiratory Medicine, Royal North Shore Hospital, St Leonards. NSW.

COMPARISON OF RADIAL ARTERY AND EAR LOBE CAPILLARY SAMPLES FOR THE DETERMINATION OF pH AND BLOOD GASES.

M Swanney, C Drennan & J Thorley.

Respiratory Physiology Laboratory, Respiratory Services, Christchurch Hospital. NZ.

IN VITRO CONTRACTILITY TO TACHYKININS IN OVINE TRACHEA: COMPARISON WITH *IN VIVO* EFFECTS.

A Reynolds, R Scicchitano, A Rice, M Holmes.

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

TRANSIENT AIRWAY NARROWING DURING HYPEROSMOLAR SALINE CHALLENGE IS REPRODUCIBLE IN SUBJECTS WITH CYSTIC FIBROSIS.

LT Rodwell, SD Anderson, PV Zimmerman.

Dept. Thoracic Medicine, The Prince Charles Hospital, Brisbane. Qld.

HYPERTONIC SALINE PROVOKES EXTRATHORACIC AIRFLOW OBSTRUCTION IN CHRONIC COUGH.

TG Borgas,, PG Gibson.

Respiratory Medicine Unit, John Hunter Hospital. Newcastle. NSW.

DISPOSABLE BARRIER FILTERS OFFER A COST EFFECTIVE METHOD OF PROVIDING INFECTION CONTROL IN LUNG FUNCTION LABORATORIES.

EA Side, G Harrington, F Thien, EH Walters, DP Johns.

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

INFECTION CONTROL IN THE RESPIRATORY LABORATORY: SUMMARY OF THE ANZSRS (QLD BRANCH) WORKSHOP – OCTOBER 1995.

M Brown, A Crockett, A Dent, S Lambert, C Wills.

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

Key Note Speakers

SINGLE BREATH CO TRANSFER DURING EXERCISE: PHYSIOLOGICAL RESPONSE AND CLINICAL APPLICATIONS.

Adrian Kendrick.

Sleep Unit, Bristol General Hospital. UK

FACTORS AFFECTING DRUG DELIVERY.

Danna Ross.

Inhalation Technology, 3M Pharmaceuticals, USA.

COMPARISON OF METHODS OF MEASURING STATIC LUNG VOLUMES: WHICH METHOD?

Adrian Kendrick.

Sleep Unit, Bristol General Hospital. UK

PROBLEMS IN USING KCO AS AN INDEX OF GAS EXCHANGE CAPACITY.

Stephen West

Dept. Respiratory Medicine, Westmead Hospital, Westmead. NSW.

PICTURES IN THE MIND: INTERPRETATION OF LUNG FUNCTION TESTS.

David Johns

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

Poster Presentations

SPIROMETER RELATED DIFFERENCES IN MEASURED FEV1 AND FVC ARE STATISTICALLY AND CLINICALLY SIGNIFICANT.

A Herrero, S Homan, D Figurski, AM Southcott.

Thoracic Medicine Unit, The Queen Elizabeth Hospital, Woodville. SA.

MEASUREMENT OF RESPIRATORY MUSCLE PRESSURES: A COMPARISON OF THREE INSTRUMENTS.

PE Lynn, AG Dent, PV Zimmerman.

Dept. Thoracic Medicine, The Prince Charles Hospital, Brisbane. Qld.

MEASUREMENT OF RESPIRATORY MUSCLE PRESSURES: SELECTION OF APPROPRIATE PREDICTED VALUES.

AG Dent, PE Lynn, PV Zimmerman

Dept. Thoracic Medicine, The Prince Charles Hospital, Brisbane. Qld.

DYNAMIC COMPLIANCE USING MOUTH OCCLUSION PRESSURE.

S Pritchard, M Kazins, L Ramondetta, T Demis.

Dept. Thoracic Medicine, Royal Melbourne Hospital. Vic.

AIRWAY RESPONSE TO 4.5% SALINE COMPARED WITH SYMPTOMS OF ASTHMA IN SUBJECTS REFERRED TO A RESPIRATORY FUNCTION LABORATORY WITH A CURRENT OR PAST HISTORY OF ASTHMA.

JD Brannan, E Belousova, LT Rodwell, SD Anderson, J Peat.

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

AIRWAY RESPONSIVENESS IN ASTHMA: BRONCHIAL CHALLENGE WITH HISTAMINE AND 4.5% SODIUM CHLORIDE BEFORE AND AFTER BUDESONIDE.

SD Anderson, JI du Truit, CR Jenkins, AJ Woolcock, LT Rodwell.

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

WATER LOSS FROM THE AIRWAYS CAUSES INCREASED RESPONSE TO HISTAMINE IN THE RABBIT.

M Hogman, J Hjoberg, A-C Mork, SD Anderson.

Dept. Clinical Physiology, Uppsala University, Uppsala. Sweden.

Symposium – “Salt: Good for what ails the airways?”

DEPOSITION OF INHALED NON-ISOTONIC AEROSOLS.

Hak-Kim Chan

Dept. Pharmacy, University of Sydney. NSW.

MEASUREMENT AND RESPONSE TO 4.5% NA CL AEROSOL IN SUBJECTS WITH ASTHMA OR CYSTIC FIBROSIS.

LT Rodwell

Dept. Thoracic Medicine, The Prince Charles Hospital. Brisbane. Qld.

SPUTUM INDUCTION TO ASSESS AIRWAY INFLAMMATION USING HYPERTONIC SALINE.

Peter Gibson

Respiratory Medicine Unit, John Hunter Hospital. Newcastle. NSW.

THE USE OF HYPERTONIC SALINE AEROSOL IN OCCUPATIONAL EPIDEMIOLOGY.

Stephen Radbone.

Worksafe Australia, Sydney. NSW.

THE BASICS OF CHLORIDE ION CHANNELS AND THEIR POTENTIAL SIGNIFICANCE IN ASTHMA.

Marcus Paulmichl.

Dept Physiology, University of Innsbruck, Innsbruck. Austria.

EPIDEMIOLOGICAL STUDIES IN CHILDREN USING 4.5% NaCl.

Marita Dalton.

Dept. Thoracic Medicine, Royal Childrens Hospital, Parkville. Vic.

IN VIVO MEASUREMENT OF ION TRANSPORT DEFECTS IN THE NASAL EPITHELIUM.

Peter Middleton.

Westmead Hospital, Westmead. NSW.

MUCOCILIARY CLEARANCE STUDIES USING HYPERTONIC SALINE IN PATIENTS WITH CYSTIC FIBROSIS.

Michael Robinson.

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

MUCOCILIARY CLEARANCE STUDIES USING HYPERTONIC SALINE IN PATIENTS WITH ASTHMA.

Lily Daviskas.

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

A NEW TECHNIQUE FOR MEASURING AIRWAY RESPONSE TO SODIUM CHLORIDE USING A DRY POWDER.

Sandra Anderson.

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