

Australian & New Zealand Society of Respiratory Science Inc

13th Annual Scientific Meeting Canberra, ACT 28-29 March, 1992

Invited Speakers: **Antonius Van Kessel**
Stanford University Hospital, Stanford, California, USA.

Peter Gibson
John Hunter Hospital, Newcastle, NSW.

Scientific Program

Keynote Speaker

INNOVATIVE TECHNOLOGY OR SCIENCE FICTION? NEW TECHNIQUES IN pH AND BLOOD GAS ANALYSIS.

Antonius L. Van Kessel
Stanford University Hospital, Stanford, California, USA.

Oral Presentations

COMPARISON OF MEASURED AND CALCULATED HAEMOGLOBIN OXYGEN AFFINITY AND 2,3 DIPHOSPHOGLYCERATE CONCENTRATION IN NORMALS AND CHRONIC OBSTRUCTIVE AIRWAYS DISEASE PATIENTS.

DA Schembri, AJ Crockett, J Cranston and JH Alpers.
Respiratory Unit, Department of Medicine, Flinders Medical Centre, Bedford Park, SA.

THE RELIABILITY OF THE PULSE OXIMETER.

BJ Lee, PT Morley and JF Cade.
Royal Melbourne Hospital, Intensive Care Unit, Vic.

THORACIC GAS VOLUME INCREASES AFTER 4.5% NAACL CHALLENGE IN ASTHMATICS – IMPLICATIONS FOR DIVERS.

LM Trevillion and SD Anderson.
Dept. of Respiratory Medicine, Royal Prince Alfred Hospital. Camperdown. NSW.

NEW AMBULATORY SPIROMETER FOR MEASURING FEV1 AND PEFR.

DP Johns, M Abramson and G Bowes.
Dept. of Respiratory Medicine, Alfred Hospital. Prahran. Vic.

RESISTANCE OF COMMONLY USED SPIROMETERS AND PEAK FLOW METERS: EFFECT ON VENTILATORY FUNCTION.

CM Ingram, S Thianesysavanh, PD Rochford and DP Johns.

Lung Function Laboratory, Alfred Hospital. Prahran. Vic.

EVALUATION OF FOUR PEAK FLOW METERS USING A COMPUTER DRIVEN SYRINGE.

PD Rochford, DP Johns, PA Guy and RJ Pierce.

Respiratory Function Unit, Heidelberg Repatriation Hospital, Heidelberg. Vic.

Symposium: Bronchial hyperresponsiveness (BHR) epidemiology, pathology, mechanisms and interpretation.

- Epidemiology of BHR – Alan Crockett
- Pathology of asthma – Peter Gibson
- Mechanisms of BHR – Sandra Anderson
- BR to histamine and methacholine – Stephen West
- Effect of drug treatment on BHR – Leanne Rodwell
- Sulphur dioxide and BHR – Rein Simmul

MINIMUM GUIDELINES FOR THE MEASUREMENT OF SINGLE BREATH CARBON MONOXIDE TRANSFER FACTOR (TLCO) – RECOMMENDATIONS OF THE ANZSRS.

JJ Pretto and S West.

Keynote Speaker

LUNG FUNCTION IN HEART-LUNG TRANSPLANTATION PATIENTS.

Antonius L. Van Kessel

Stanford University Hospital, Stanford, California, USA.

Oral Presentations

VALIDATION OF ESOPHAGEAL PRESSURE OCCLUSION TEST AFTER PARALYSIS.

CJ Lanteri and PD Sly.

Western Australian Research Institute for Child Health, WA.

PHYSICAL CHARACTERISTICS OF AN EVIDENTIAL BREATH ALCOHOL METER.

MG Brown, SC Morrison and AP Martin.

Department of Physical Sciences, Royal Brisbane Hospital, Brisbane, Qld.

EFFECT OF LIVER TRANSPLANTATION ON RESPIRATORY FUNCTION IN HEPATOPULMONARY SYNDROME: A CASE REPORT.

J Pretto, L Irving, P Angus, P Dubkowski and J Streeton.

Respiratory Laboratory, Austin Hospital, Heidelberg, Vic.

Poster Presentations

PARADOXICAL BRONCHOCONSTRICTION INDUCED BY METERED DOSE
INHALERS IN PATIENTS WITH STABLE ASTHMA.

B Eckert, J Van Den Berg, C Mitchell and J Armstrong.

Department of Respiratory Medicine, Princess Alexandra Hospital, Woolloongabba, Qld.

EVALUATION OF THE JAEGER PNEUMOSCOPE PC SPIROMETER.

CA Stewart and DW Parsons.

Department of Pulmonary Medicine, Adelaide Medical Centre for Women & Children, North Adelaide, SA.

AN ACCEPTABILITY AND COST TRIAL OF THE MEDIC-AID "SIDESTREAM"
NEBULISER.

CA Stewart and DW Parsons.

Department of Pulmonary Medicine, Adelaide Medical Centre for Women & Children, North Adelaide, SA.

SIMILAR EXERCISE PERFORMANCE WHEN GAS EXCHANGE PARAMETERS ARE
MEASURED USING A FACE MASK OR MOUTH PIECE AND A NOSE CLIP.

S Homan.

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

TELEMETRIC RESPIRATORY MONITORING DURING SLEEP.

TA Demis, M Boltuzic, A Fenelon and MCF Pain.

Departments of Thoracic Medicine and Biomedical Engineering, Royal Melbourne Hospital, Vic.