

Australian & New Zealand Society of Respiratory Science Inc

18th Annual Scientific Meeting Wellington, New Zealand 4 - 6 April, 1997

Invited Speakers: **Professor Robert Crapo**
Department of Medicine
LDS Hospital
Salt Lake City, Utah. USA

Associate Professor Kim Prisk
Division of Physiology/NASA
Department of Medicine
University of California, San Diego.
La Jolla, CA. USA.

Jenni Prisk
President
Prisk Communications
San Diego, CA. USA.

Scientific Program

Oral Presentations

PULMONARY FUNCTION IN SPACE
GK Prisk, AR Elliott, HJB Guy, JB West
Dept Medicine, UCSD, La Jolla CA. USA.

THE SINGLE BREATH TECHNIQUE FOR ASSESSING PERIPHERAL
CHEMORECEPTOR FUNCTION IS VARIABLE.
T Roebuck, P Solin, P Liakakos, DP Johns, EH Walters & MT Naughton
Dept. Respiratory Medicine, Alfred Hospital, Melbourne. Vic

RESPIRATORY DRIVE AS A FACTOR FOR THE REDUCED PERCEPTION OF
BREATHLESSNESS IN CARDIAC TRANSPLANT RECIPIENTS.
M Brown, L Rafter, D Rose, C Wright, N Gajjar, M Frenneaux, A Galbraith, S Morrison.
Dept. Thoracic Medicine, Royal Brisbane Hospital, Brisbane. Qld.

A RETROSPECTIVE SURVEY OF HYPOXIA SIMULATION TESTS: PATIENT
CHARACTERISTICS AND THE USEFULNESS OF INCLUDING EXERCISE.
AG Dent, PV Zimmerman.
Dept. Thoracic Medicine, The Prince Charles Hospital, Brisbane. Qld.

ASTHMATIC AIRWAYS ARE LESS DISTENSIBLE THAN NORMAL.

DP Johns, J Wilson, S Augustin, X Li, R Harding, EH Walters.

Dept. Respiratory Medicine, Alfred Hospital, Melbourne. Vic

SMALL AIRWAY BRONCHIAL HYPERREACTIVITY AND RESPONSE TO TREATMENT: A PILOT STUDY.

J Furler, P Allcroft, M Hurwitz, S Nogrady.

Dept. Thoracic Medicine, The Canberra Hospital. ACT.

A NEW METHOD FOR BRONCHIAL PROVOCATION TESTING IN ASTHMATIC SUBJECTS USING A DRY POWDER OF MANNITOL.

SD Anderson, J Brannan, J Spring, N Spalding, H-K Chan.

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

AIRWAY RESPONSIVENESS TO METHACHLORINE CHLORIDE AND A DRY POWDER PREPARATION OF MANNITOL IN SUBJECTS WITH ASTHMA.

John Brannan, SD Anderson, E Daviskas, H-K Chan.

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

INHALATION OF DRY POWDER MANNITOL INCREASES MUCOCILIARY CLEARANCE (MCC).

E Daviskas, SD Anderson, H-K Chan, S Ebert.

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

Keynote Speakers

PUTTING THE PULMONARY FUNCTION LAB WHERE YOU AND IT DON'T BELONG.

Dr Kim Prisk

Department of Medicine

University of California, San Diego. USA.

YOU GET THE MESSAGE...DO THEY?

Jenni Prisk

Prisk Communications

San Diego, CA. USA

Poster Presentations

LUNG VOLUME HISTORY DOES NOT AFFECT AIRWAY DISTENSIBILITY OR ANATOMICAL DEADSPACE IN HEALTHY SUBJECTS.

DP Johns, J Wilson, S Augustin, X Li, R Harding, C Ingram, M Gorman, EH Walters.

Dept. Respiratory Medicine, Alfred Hospital, Melbourne. Vic

EXPIRED CO₂ PLATEAU, VENTILATION DISTRIBUTION AND HELIUM BREATHING.

M Wintle, M Kazins, L Ramondetta, T Demis.

Dept. Thoracic Medicine, Royal Melbourne Hospital. Vic.

TRENDS IN HEART RATE RECOVERY IN EXERCISE INDUCED, PRE-TREATED ADOLESCENT ASTHMATIC SUBJECTS.

S Lambert, N Manicavasagar, S Kugathan.

NSW Institute of Sports Medicine, Concord Hospital, Sydney. NSW.

FAILURE OF TEMPORAL ASSOCIATION BETWEEN COUGH AND GASTRO-OESOPHAGEAL REFLUX.

J Furler, K Sims, L Daw, M Hurwitz, S Nogrady.

Dept. Thoracic Medicine, The Canberra Hospital. ACT.

HISTAMINE CHALLENGE: DETERMINATION OF PC20 BY LINEAR EXTRAPOLATION OF THE DOSE RESPONSE CURVE.

B Breust, B Eckert, C Mitchell.

Respiratory Medicine, Princess Alexandra Hospital, Brisbane. Qld.

BACTERIAL GROWTH ON REUSED RESPIRATORY SLEEP EQUIPMENT.

A Herrero, P Lawson, AM Southcott

Respiratory Medicine, The Queen Elizabeth Hospital, Woodville. SA.

AUSTRALIAN AND NEW ZEALAND RESPIRATORY LABORATORIES LACK UNIFORMITY WITH INFECTION CONTROL PRACTICES.

PJ Salter, J Markos.

Respiratory Function Laboratory, Launceston General Hospital. Tas.

INTER-LABORATORY VARIABILITY IN THE MEASUREMENT OF LUNG FUNCTION.

PA Guy, JJ Pretto, PD Rochford.

Austin & Repatriation Medical Centre, Heidelberg. Vic

Symposium - TLCO (DLCO)

WHAT IS DIFFUSING CAPACITY (TRANSFER FACTOR) AND HOW IS IT MEASURED.

Dr Robert Crapo.

Department of Medicine, LDS Hospital, Salt Lake City, Utah. USA

TESTING METHODOLOGY DIFFERENCES - SINGLE BREATH, REBREATHING, INTRABREATH, 3 EQUATIONS.

Bruce R Thompson.

Austin & Repatriation Medical Centre, Heidelberg. Vic

EVIDENCE OF INTERLABORATORY VARIABILITY IN TLCO MEASUREMENTS.

Peter D Rochford

Austin & Repatriation Medical Centre, Heidelberg. Vic

ERRORS IN THE MEASUREMENT OF SINGLE BREATH ALVEOLAR VOLUME AND CARBON MONOXIDE TRANSFER FACTOR.

David P Johns
Dept. Respiratory Medicine, Alfred Hospital, Melbourne. Vic

MODELLING IN RESPIRATORY FUNCTION: WHAT IT TELLS US.
Dr K Prisk.
Department of Medicine, University of California, San Diego. USA.

MODELLING OF TLCO
Bruce R Thompson.
Austin & Repatriation Medical Centre, Heidelberg. Vic

REFERENCE COMPARISONS IN DECISION MAKING WITH SPECIAL EMPHASIS
ON LUNG FUNCTION TESTS.
Dr Robert Crapo.
Department of Medicine, LDS Hospital, Salt Lake City, Utah. USA

THE CLINICAL UTILITY OF DIFFUSING CAPACITY. APPROACHES TO
INTERPRETATION.
Dr Robert Crapo
Department of Medicine, LDS Hospital, Salt Lake City, Utah. USA

PANEL DISCUSSION.