

Australian & New Zealand Society of Respiratory Science Inc.

2000 Annual Scientific Meeting Melbourne, Victoria. 7 – 9 April, 2000

Guest Speakers:

Dr Michael Pain

Consultant Thoracic Physician
Royal Melbourne Hospital,
Melbourne, Victoria.

Associate Professor Robert Jensen

Pulmonary Division & Department of Medicine
LDS Hospital & University of Utah School of Medicine
Salt Lake City, Utah, USA

Mr Lloyd Penberthy

Coordinator
RCPA-AACB Chemical Pathology QA Programs
Flinders Medical Centre
Bedford Park, South Australia

Scientific Program

Oral Presentations

STATISTICS FOR RESPIRATORY SCIENTISTS.

Robert Jensen

Pulmonary Division & Department of Medicine, LDS Hospital & University of Utah School of Medicine, Salt Lake City, Utah, USA.

SPIROMETRY IS LESS DEMANDING FOR PATIENTS AND MORE REPRODUCIBLE USING FEV₆ INSTEAD OF FVC.

Maureen Swanney, Robert Jensen, David Crichton, Lutz Beckert, Lauren Cardno and Robert Crapo.

Canterbury Health Ltd., Respiratory Physiology Laboratory, Christchurch Hospital, Christchurch, New Zealand.

THE RATIO OF ONE SECOND FORCED EXPIRATORY VOLUME TO TOTAL LUNG CAPACITY (FEV₁/TLC) IN NORMAL SUBJECTS, AND IN AIRWAYS OBSTRUCTION AND RESTRICTIVE VENTILATORY DEFECTS.

A.H. Kendrick

Department of Respiratory Medicine, Bristol Royal Infirmary, Bristol, England.

THE UTILITY OF LESSER-KNOWN QUALITY CONTROL PARAMETERS IN THE EVALUATION OF EXPIRATORY FLOW VOLUME CURVES.

Alan Crockett and Michelle Rozee.

Respiratory Unit, Flinders Medical Centre, Bedford Park, South Australia.

*EFFECTS OF ALLOWING ADEQUATE DEADSPACE WASHOUT IN THE MEASUREMENT OF CARBON MONOXIDE TRANSFER FACTOR.

J.J. Pretto, D.J. Brazzale and P.D. Rochford.

Department of Respiratory Medicine, Austin & Repatriation Medical Centre, Heidelberg, Victoria.

METHOD OF VALIDATING ABSOLUTE MEASUREMENTS OF TLCO AND VA.
D.P. Johns, R. Stephens, L. Rudolph, S. Jack and E.H. Walters.
Department of Respiratory Medicine, The Alfred and Monash University Medical School,
Melbourne, Victoria.

SIMULATED HIGH ALTITUDE EXERCISE TESTING.
M. Brown, L. Garske and S. Morrison.
Department of Thoracic Medicine, Royal Brisbane Hospital, Brisbane, Queensland.

MECHANISM OF IMPROVED AIRWAYS FUNCTION FOLLOWING LUNG VOLUME
REDUCTION SURGERY.
Sean Homan, Ana Hererro, Derek Figurski, Lucy Saccoia, Samuel Porter, Morris Peacock, Anne
Marie Southcott and Richard Ruffin.
Respiratory Medicine Unit and Department of Surgery, The Queen Elizabeth Hospital. Woodville,
South Australia.

THE EFFECT OF POSTURAL LOADING ON RESPIRATORY MUSCLE STRENGTH IN
SUBJECTS WITH NORMAL LUNG FUNCTION AND THOSE WITH CHRONIC AIRFLOW
LIMITATION (CAL).
Gary Nolan, Steve Cala and Bruce Graham.
Respiratory Investigation Unit, Gosford Hospital, Central Coast, New South Wales.

*Winner of Best Oral Presentation award

Poster Presentations

EVALUATION OF THE NEW MEDICAL GRAPHICS LUNG FUNCTION EQUIPMENT.
S. Jack, P. Liakakos, S. Khov and D.P. Johns.
Department of Respiratory Medicine, The Alfred and Monash University Medical School,
Melbourne, Victoria.

NEBULISER AND PRESSURE OUTPUT FROM THE MEFAR™ DOSIMETER: RESULTS
FROM ECRHS CALIBRATION PROJECT.
R.J Ward, D.P. Johns, B. Skoric and E.H. Walters.
Department of Respiratory Medicine, The Alfred and Monash University Medical School,
Melbourne, Victoria.

STANDARDIZING THE SIX MINUTE WALKING TEST.
Jacquelyn Furler, Janet Graham, John Cannell, Kathy Simms and Stephen Nogrady.
Department of Thoracic Medicine and Physiotherapy Departments, The Canberra Hospital and
Physiotherapy Department, Calvary Hospital, Australian Capital Territory.

ASSESSMENT OF THE JAEGER DOSIMETER METHOD FOR ASTHMA PROVOCATION
TESTING.
A.Badawy, M. Barrett, M.M. Chia, P.C. Robinson and A.M. Reynolds.
Lung Function Unit, Burnside War Memorial Hospital Inc., Toorak Gardens, South Australia.

INTERMACHINE SPIROMETRIC VARIABILITY IN LUNG DISEASE.
Annette Dent, Kwun Fong, Pauline Lynn, Ian Yang and Paul Zimmerman.
Department of Thoracic Medicine, The Prince Charles Hospital, Brisbane, Queensland.

† COORDINATION OF BREATHING AND SWALLOWING IN PATIENTS WITH
CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD).
Paul Finlay, Lydia Cvejic, Richard Harding, Paul Guy and Nicholas Freezer.

Department of Respiratory Medicine, Monash Medical Centre, Department of Physiology and Centre for Heart and Chest Research, Monash University, Melbourne, Victoria.

INTERLABORATORY VARIABILITY IN CARDIORESPIRATORY EXERCISE TESTING.

B. Breust, C. Case and J. Armstrong.

Department of Respiratory Medicine, Princess Alexandra Hospital, Brisbane, and School of Biomolecular & Biomedical Science, Griffith University, Queensland.

‡ THE 24 HR EFFECT OF MANNITOL ON THE CLEARANCE OF MUCUS IN PATIENTS WITH BRONCHIECTASIS.

Evangelia Daviskas, Sandra D. Anderson, Stefan Eberl, H-Kim Chan and Iven H. Young.

Departments of Respiratory Medicine and PET & Nuclear Medicine, Royal Prince Alfred Hospital, Camperdown, and Department of Pharmacy, University of Sydney, New South Wales.

MINIMUM LUNG FUNCTION FOR BREATH ALCOHOL TESTING USING THE LION ALCOLMETER SD-400.

A.J. Crockett, M.G. Rozee, R. Laslett and J.H. Alpers.

Respiratory Unit, Flinders Medical Centre, Bedford Park, South Australia.

† Winner of Young Investigator Award

‡ Winner of Best Poster Presentation award

Symposium – Quality Assurance in the Respiratory Laboratory.

SOURCES OF ERROR IN SPIROMETRY.

John Martin

Sleep Disorders Centre, St. Vincent's Hospital, Fitzroy, Victoria.

SOURCES OF ERROR IN TLCO.

David Johns

Department of Respiratory Medicine, Alfred Hospital, Prahran, Victoria.

SOURCES OF ERROR IN LUNG VOLUMES.

Peter Rogers

Respiratory Function/Sleep Unit, Repatriation General Hospital, Concord, New South Wales.

SOURCES OF ERROR IN BLOOD GASES.

Jeff Pretto

Department of Respiratory Medicine, Austin & Repatriation Medical Centre, Heidelberg, Victoria.

SOURCES OF ERROR IN REFERENCE VALUES.

Brenton Eckert

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

Keynote Presentations

VALIDATION OF RESPIRATORY EQUIPMENT.

Robert Jensen

Pulmonary Division & Department of Medicine, LDS Hospital & University of Utah School of Medicine, Salt Lake City, Utah, USA.

ACCREDITATION IN THE RESPIRATORY FUNCTION LABORATORY.

Stephen West

Department of Respiratory Medicine, Westmead Hospital, Westmead, New South Wales.

EXTERNAL QUALITY ASSURANCE.

Lloyd Penbarthy

RCPA-AACB Chemical Pathology QA Programs, Flinders Medical Centre, Bedford Park, South Australia.

EVALUATION OF EQUIPMENT PRIOR TO PURCHASE.

Rein Simmul

Respiratory Investigation Unit, Royal North Shore Hospital, Sydney, New South Wales.

Challenge Testing & Aerosol Performance.

TRIALS AND TRIBULATIONS OF CHALLENGE TESTING.

Sandra Anderson

Department of Respiratory Medicine, Royal Prince Alfred Hospital, Camperdown, New South Wales.

JET NEBULIZERS. EVAPORATIVE LOSS & AEROSOL OUTPUT.

David Johns

Department of Respiratory Medicine, Alfred Hospital, Prahran, Victoria.