

# **Australian & New Zealand Society of Respiratory Science Inc.**

## **1989 Annual Scientific Meeting Sydney, New South Wales. 22-23 July, 1989**

**Guest Speakers:**     **Dr Dick Ruffin**  
Flinders Medical Centre, South Australia.

**Dr Kwok Yan**  
Royal Prince Alfred Hospital, New South Wales.

**Dr Christine Jenkins**  
Royal Prince Alfred Hospital, New South Wales.

**Ms Margaret McElrae**  
Royal Children's Hospital, Queensland.

**Dr Sandra Anderson**  
Royal Prince Alfred Hospital, New South Wales.

**Dr Rein Simmul**  
Royal North Shore Hospital, New South Wales.

**Professor Ann Woolcock**  
University of Sydney, New South Wales.

## **Scientific Program**

### **Oral Presentations**

MEASUREMENT OF LUNG ELASTIC PROPERTIES: CORRELATION WITH PLASMA ELASTIN DERIVED PEPTIDES.

B. Eckert, T. Dillon, R. Walsh, M Drew, R Scicitano, A. Thornton, R. Antic and G. McLennan.  
Department of Thoracic Medicine, Royal Adelaide Hospital, Adelaide, South Australia.

ACCURACY OF RADIOGRAPHIC LUNG VOLUME ESTIMATES FOLLOWING LUNG RESECTION.

J. Copland and R.J. Pierce.  
Department of Thoracic Medicine, Heidelberg Repatriation Hospital, Heidelberg, Victoria.

THE EFFECT OF DILUENT ON THE DELIVERY OF NEBULISED AEROSOL BRONCHODILATORS.

J Pederson, K Sims and S Nogrady.  
Respiratory Laboratory, Royal Canberra Hospital, Acton, Australian Capital Territory.

TERFENADINE MODIFIES AIRWAY NARROWING PROVOKED BY NON-ISOTONIC AEROSOLS.

S.D. Anderson, M.J.B. Finney and J.L. Black.  
Department of Thoracic Medicine, Royal Prince Alfred Hospital, Camperdown, New South Wales.

CYSTIC FIBROSIS – PULMONARY PATHOPHYSIOLOGY.

P. Field

USE OF A PULMONARY FUNCTION DATA BASE IN CYSTIC FIBROSIS AND OTHER LUNG DISEASES OF CHILDREN.

B.W. Dean and P.W. Francis.

Royal Children's Hospital, Brisbane, Queensland.

ARE TGV'S MEASURED FROM END INSPIRATORY OCCLUSIONS MORE ACCURATE THAN TGV'S MEASURED FROM END EXPIRATORY OCCLUSIONS IN INFANTS?

C.J. Lanteri, J.M. Raven and P.D. Sly.

Department of Thoracic Medicine, Royal Children's Hospital, Melbourne, Victoria.

NORMAL VALUES IN MELBOURNE CHILDREN AND ADOLESCENTS.

M.E. Hibbert, J. Raven, A. Olinsky, L.I. Landau and P.D. Phelan.

Department of Thoracic Medicine, Royal Children's Hospital, Melbourne, Victoria.

HYPERINFLATION DURING EXERCISE IN ADULT PATIENTS WITH ADVANCED CYSTIC FIBROSIS.

J. Alison, J. Regnis, P.D. Donnelly and P.T.P. Bye.

Institute of Respiratory Medicine, Royal Prince Alfred Hospital, Sydney, New South Wales.

LUNG FUNCTION CHANGES IN HOSPITALISED PATIENTS WITH CYSTIC FIBROSIS.

M.S. McElrea and P.W.J. Francis.

Department of Respiratory Medicine, Royal Children's Hospital, Brisbane, Queensland.

SOFTWARE FOR ANALYSING AND CORRECTING ALINEARITY OF PNEUMOTACHOGRAPHS.

P.D. Rochford and J.J. Pretto.

Respiratory Function Unit, Repatriation General Hospital, Heidelberg, Victoria.

EFFECT OF VARYING APPARATUS AIRFLOW RESISTANCE ON SINGLE-BREATH DIFFUSION STUDIES.

A.D. Coates

Respiratory Laboratory, The Prince Charles Hospital, Queensland.

WHAT CHANGE IN DLCO IS SIGNIFICANT?

D. Schembri, A. Varelziz and A.J. Crockett.

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

DESCRIPTION OF THE PATTERN OF USE OF A NON-HOSPITAL BASED DIAGNOSTIC SLEEP LABORATORY.

S. Clift, Y. Gould and M. Dodd

Hornsby Sleep Disorders and Diagnostic Centre, Hornsby, New South Wales.

DETERMINATION OF THE ANAEROBIC THRESHOLD – WHICH METHOD?

K.R. Gain

Respiratory Laboratory, Wellington Hospital, Wellington, New Zealand.

EFFECT OF OBESITY AND CHANGES IN LUNG VOLUME IN BRONCHIAL ASTHMA.

M. Bartholomew, S. West, J. Wheatley, P. Pare and L.A. Engel

Thoracic Medicine Unit, Westmead Hospital, Sydney, New South Wales.

**Symposium: THE USE AND ABUSE OF BRONCHIAL PROVOCATION TESTS**

INTRODUCTION

Dr Dick Ruffin

Flinders Medical Centre, South Australia.

METHACHOLINE INHALATION TEST

Dr Kwok Yan

Royal Prince Alfred Hospital, New South Wales.

HISTAMINE INHALATION TEST

Dr Christine Jenkins

Royal Prince Alfred Hospital, New South Wales.

EXERCISE OR ISOCAPNIC HYPERVENTILATION?

Ms Margaret McElrae

Royal Children's Hospital, Queensland.

INHALATION CHALLENGE WITH NON-ISOTONIC AEROSOLS

Dr Sandra Anderson

Royal Prince Alfred Hospital, New South Wales.

SULPHUR DIOXIDE CHALLENGE

Dr Rein Simmul

Royal North Shore Hospital, New South Wales.

SUMMARY

Professor Ann Woolcock

University of Sydney, New South Wales.

CLOSING REMARKS

Dr Sandra Anderson

Royal Prince Alfred Hospital, New South Wales.