SCIENTIFIC PROGRAMME

Monday 9 December 1996

FLEMING ROOM

8.30–9.45  Poster Viewing: P1–P19 Management of asthma
          Poster Viewing: P20–P35 Tuberculosis
          Poster Viewing: P36–P44 Disorders of the pulmonary circulation

9.45–11.00 Poster Discussion: P1–P19 (Whittle Room)
            Poster Discussion: P20–P35 (St James's Suite)
            Poster Discussion: P36–P44 (Henry Moore Room)

P1 General practitioner prescribing habits in asthma/COPD.  K Mousley, M Rudolf, M Pearson
P2 Observations on the structure, process and clinical outcomes of asthma care in general practice.  
    G Hoskins, RG Neville, B Smith, RA Clark
P3 The prevalence of diagnosed asthma and COPD in a community population in Nottinghamshire.  
    LJ Walsh, CA Wong, S Cooper, AR Guhan, M Pringle, AE Tattersfield
P4 Treatment of asthma and COPD in a general practice population.  LJ Walsh, CA Wong, S Cooper,  
    AR Guhan, M Pringle, AE Tattersfield
P5 An analysis of the data produced by the Asthma Chronic Disease Management Programme  
    (CDMP), and the prescribing analysis and cost (PACT) data in Suffolk.  L Pearce
P6 Relationship between hospital admissions for asthma and prescribing in general practice.  
    JP Watson, RA Lewis
P7 Impact of an asthma nurse specialist on patients admitted to hospital with acute severe asthma.  
    BJ McDonough, CRK Hind
P8 Do home nebulisers prevent readmission for asthma.  MG Pearson, I Ryland
P9 Compliance in an assessment programme for domiciliary nebulised bronchodilators in patients  
    with chronic obstructive airways disease.  S Johnson, JF Miles, SP Hanley, DC Weir
P10 Analysis of attitudes of adult patients towards asthma management.  CG Langdon
P11 Provision of primary care asthma services in the United Kingdom.  ML Levy, GR Barnes,  
    M Howe, RG Neville
P12 Accessibility and health service utilisation for asthma in Norfolk, England.  AP Jones, G Bentham,  
    BDW Harrison, D Jarvis, RM Badminton, N Wareham
P13 Social deprivation, childhood asthma and health service utilisation.  C McCowan, D Mowat,  
    RG Neville, FC Warner, IK Cromptie, RA Clark, IW Ricketts
P14 Characteristics of those asthmatics who repeatedly self-refer to the accident and emergency (A&E)  
    department.  MJ Ledson, BJ McDonough, MJ Walshaw, CRK Hind
P15 Improving the emergency care of asthma patients by London ambulance service (LAS).  
    H Snooks, C Hartley-Sharpe, M Rudolf
P16 Current management of asthma in primary and secondary schools in Wolverhampton.  AE Roberts
P17 A study of cultural issues relating to asthma and its management among Asian patients.  
    UM MacFadyen, M Aslam, TP McCarthy, J Patel, N Lakhan
P18 Do white European and Indian-subcontinent asthmatics differ in their quality of life?  H Moudgil,  
    D Honeybourne
P19 Differences in asthma management between white European and Indian subcontinent groups.  
    H Moudgil, D Honeybourne

P20 The management of pulmonary TB in England and Wales in 1993.  LP Ormerod, C Bentley
P21 Management of pulmonary tuberculosis in adults notified in Scotland in 1993.  AJ Simpson,  
    B Watt, AG Leitch
P22 Management of lymph node TB in England and Wales 1993.  LP Ormerod, C Bentley
P24 How valuable are routine bronchial washings for TB studies?  B Marshall, BR O'Driscoll
P25 Rapid detection of MDR-TB in clinical samples.  RJ Shaw, M Goyal, D Banerjee, RJ Coker,  
    BD Robertson, DB Young
P26 A programme of directly observed therapy for tuberculosis in London.  LM Rolfe, FJC Millard,  
    CFJ Rayner
P27 Distribution of cases in a borough with a high incidence of tuberculosis.  C Beckhurst, S Evans,  
    GE Packe
Monday 9 December  *Tuberculosis* contd

**P28** Recent increases in tuberculosis notifications in Liverpool: the influence of immigration. 
*ID Jamieson, K Tocque, M Regan, Q Syed, PDO Davies*

**P29** Comparison of IS6110-RFLP and spoligotyping for the ability to type strains of *M. tuberculosis*. 
*M Goyal, N Saunders, JDA Van Embden, DB Young, RJ Shaw*

**P30** A study of the epidemiology of sputum-positive pulmonary tuberculosis in Harare, Zimbabwe – analysis by spoligotyping. 
*RS Heyderman, M Goyal, P Roberts, S Usehwukanze, S Zizhou, B Marshall, R Makombe, PR Mason, RJ Shaw*

**P31** Epidemiology and molecular ecology of *Mycobacterium tuberculosis* from clinical sources: DNA fingerprinting of *M. tuberculosis* isolates from clinical specimens. 
*C Adams, K McCarthy, S Sheehan, E Keane, D McGrath, B Cryan, F O’Gara, C Bredin*

**P32** DNA fingerprinting of mycobacterium tuberculosis: a tool for prevention and control. 
*K Torque, M Regan, Q Syed, PDO Davies*

**P33** An audit of a respiratory nurse tuberculosis service. 
*C Bell, N Ayres, M Woodhead, C Hardy*

**P34** Audit of tuberculosis treatment. 
*L Schofield, GE Packe*

**P35** Understanding the different inflammatory responses to live and dead BCG: a prerequisite for improved vaccine design. 
*BG Marshall, MA Chambers, A Wangoo, HT Cook, DB Young, RJ Shaw*

**P36** The coronary ligated rabbit as a model for pulmonary hypertension secondary to heart failure: role of 5-hydroxytryptamine. 
*MR MacLean, G Deuchar, S Cobbe, M Hicks*

**P37** Angiotensin II causes proliferation of rat pulmonary microvascular smooth muscle cells. 
*NW Morrell, KR Stenmark*

**P38** Peroxynitrite is a vasodilator of rat pulmonary arteries at concentrations that do not cause endothelial dysfunction. 
*F Chabot, JA Mitchell, G Quinlan, TW Evans*

**P39** Role of poly-ADP ribosyltransferase in the vasodilator actions of peroxynitrite. 
*F Chabot, JA Mitchell, G Quinlan, TW Evans*

**P40** 8-iso PGF2α constricts and dilates rat pulmonary artery. 
*KB Jourdan, TW Evans, NP Curzen, JA Mitchell*

**P41** Differential release of 8-isoprostanes and prostaglandin (PG) E2 by human pulmonary artery. 
*KB Jourdan, TW Evans, M Yacoub, JA Mitchell*

**P42** Mechanical and chemical thrombolysis in acute massive pulmonary embolism. 
*PJ Cook, DE Stableforth, GJ Robinson, JR Ferrando*

**P43** A role for natriuretic peptides in the diagnosis of pulmonary thromboembolism. 
*DG Kiely, NJ Kennedy, WJ Coutie, AD Struthers, SA Batchelor, BJ Lipworth*

**P44** A reduction in functional endoglin leads to pulmonary arteriovenous malformations in hereditary haemorrhagic telangiectasia. 
*CL Shovlin, JMG Hughes, J Scott, JG Seidman, CE Seidman*

### WESTMINSTER SUITE

9.30–3.30  *The extracellular matrix and lung disease* – jointly with the BALR

**Morning session:** Chairmen: Professor GJ Laurent (London) and Dr RJ McAnulty (London)

9.30  Regulation of extracellular matrix protein synthesis – *Professor GJ Laurent (London)*
10.15  Regulation of the extracellular matrix by proteases – *Dr C O’Connor (Dublin)*

**11.00**  *COFFEE*

**Mid morning session:** Chairmen: Dr RM du Bois (London) and Professor K Donaldson (Edinburgh)

11.30  Current concepts in the pathogenesis of pulmonary fibrosis – *Dr RK Coker (London)*
12.00  Current concepts in the pathogenesis of emphysema – *Dr TD Tetley (London)*

**12.30**  *LUNCH*
Monday 9 December The extracellular matrix and lung disease contd

**Afternoon session**: Chairman: Dr AJ Peacock (Glasgow) and Dr FJ Kelly (London)

2.00 Extracellular matrix alterations in asthma – Dr W Roche (Southampton)
2.30 The extracellular matrix in pulmonary vascular remodelling – Dr N Morrell (London)
3.00 Lung fibrosis in chronic lung disease of prematurity – Dr S Kotecha (Leicester)

3.30 **TEA** and close of session

**WHITTLE ROOM**

9.45–11.00 Poster Discussion: P1–P19 *Management of asthma*  
Chairmen: Dr MR Partridge (London) and Dr JM Goldman (Torbay)

**ST JAMES’S SUITE**

9.45–11.00 Poster Discussion: P20–P35 *Tuberculosis*  
Chairmen: Dr JA Innes (Birmingham) and Dr RJ Shaw (London)

**HENRY MOORE ROOM**

9.45–11.00 Poster Discussion: P36–P44 *Disorders of the pulmonary circulation*  
Chairmen: Dr AJ Peacock (Glasgow) and Dr AH Morice (Sheffield)

11.00 **COFFEE** will be served in the **BENJAMIN BRITTEN LOUNGE**

**WHITTLE ROOM**

11.30–1.00 **Symposium**: *Management of ventilatory failure in acute exacerbations of COPD*  
Chairman: Dr MW Elliott (Leeds)

11.30 Non-invasive ventilation – Dr MW Elliott (Leeds)
11.55 Intubation and mechanical ventilation – Dr J Coakley (London)
12.20 Weaning of the intubated patient – Dr S Nava (Montescano, Italy)
12.45 Discussion

**ST JAMES’S SUITE**

11.30–1.00 **Causes of asthma?**  
Chairman: Professor PJ Barnes (London)

11.30 S1 Inverse association between tuberculin responses and atopic disorder.  
*JM Hopkin, T Enomoto, S Shimazu, T Shirakawa*

11.45 S2 Effect of ozone, thunderstorms and other weather conditions on the respiratory function of asthmatics.  
*G Bentham, BDW Harrison, IH Langford, K Zalavra, AL McDonald, F Elender*

12.00 S3 Causes of thunderstorm-related asthma.  
*KM Venables, AC Davidson, RD Barker, J Cannon, A Cook, B Fitzgerald, RD Lee, D Wallis, J Welch*

12.15 S4 Antioxidants and bronchial reactivity.  
*A Seaton, A Soutar*

12.30 S5 Double blind placebo controlled food challenge in type 1 & type 2 brittle asthma.  
*JC Baker, WS Tunncliffe, RD Duncanson, JG Ayres*

12.45 S6 The effect of influenza vaccination on airway responsiveness in patients with stable asthma.  
*SJ Bourke, DW Reid, CL Bromly, N Leitch, SC Stenton, DJ Hendrick*

**HENRY MOORE ROOM**

11.30–1.00 **Pathogenesis of lung infection**  
Chairman: Dr P Openshaw (London)

11.30 S7 Pre-exposure of a rhinoviral-infected human bronchial epithelial cell line to cytokines affects surface ICAM-1 levels.  
*SK Sethi, R Knight, MA Spiteri*

11.45 S8 Human CD4+ T-cell recognition of influenza A haemagglutinin is precisely defined by HLA-DR.  
*CR Gelder*

12.00 S9 The effect of *Haemophilus influenzae* endotoxin on the expression of transcription factors by cultured human bronchial epithelial cells and the influence of anti-inflammatory agents.  
*OA Khair, JL Devalia, MM Abdelaziz, RH Sapsford, RJ Davies*
Monday 9 December Pathogenesis of lung infection contd

12.15 S10 Circulating neutrophil β2-integrin expression and intracellular oxidative metabolism in community acquired pneumonia. P Glynn, I Kilgallen, R Coakley, S O’Neill

12.30 S11 Alveolar lymphocytes and macrophages are an important source of HIV-1 in patients with AIDS. JR Clarke, AJ Gates, A Alimohammadi, RJ Coker, RF Miller, DM Mitchell

12.45 S12 Genotypic variants of HIV-1 from peripheral blood and lung of AIDS patients. A Alimohammadi, DK Sohi, R Coker, R Miller, D Mitchell, JD Williamson, JR Clarke

1.00 LUNCH for ticket holders will be served in the BENJAMIN BRITTEN LOUNGE

WHITTLE ROOM
2.00–3.30 Sleep apnoea
Chairman: Dr WT McNicholas (Dublin)

2.00 S13 Facilities for investigation and treatment of sleep apnoea in the UK. GJ Gibson, NJ Douglas, JR Stradling

2.15 S14 Quality of life before and after nasal continuous positive airway pressure (NCPAP) treatment for obstructive sleep apnoea (OSA). JR Stradling, C Jenkinson, S Petersen

2.30 S15 Validation and clinical use of home sleep studies in the sleep apnoea/hypopnoea syndrome. AT Whittle, SP Finch, IL Mortimore, NJ Douglas

2.45 S16 Home oximetry versus full polysomnography in the detection of obstructive sleep apnoea (OSA). AH Kendrick, N Witshire, JR Caterral

3.00 S17 A district general hospital sleep service based on home oximetry. CS Thompson, M Stobart, ARH Warley

3.15 S18 Mandibular positioning devices for the control of snoring. JR Stradling, T Negus, B Langford, DM Smith

ST JAMES’S SUITE
2.00–3.30 Symposium: Frontiers of imaging in respiratory medicine
Chairman: Professor JMB Hughes (London)

2.00 Diagnosis of pulmonary embolus – the use of spiral CT scan – Professor M Remy-Jardin (Lille)

2.25 Magnetic resonance imaging of the chest – Professor P Armstrong (London)

2.50 Thin section CT scanning and interstitial lung disease – Dr D Hansell (London)

3.15 Discussion

HENRY MOORE ROOM
2.00–3.30 Gene therapy
Chairman: Dr G Santis (London)

2.00 S19 Divided doses of DNA:liposome complexes produce suboptimal gene expression for a given DNA dose. E Hillery, S Cheng, DM Geddes, EFWF Alton

2.15 S20 In vitro and ex vivo approaches to determining the mechanisms of liposome-mediated gene transfer. C Kitson, L Huang, F Sorgi, DM Geddes, EFWF Alton

2.30 S21 Safety of aerosol administration of escalating doses of a cationic lipid (lipid 67) formulation to the lungs of normal volunteers. SL Chadwick, HD Kingston, BJ O’Connor, SH Cheng, D Meeker, DM Geddes, EFWF Alton

2.45 S22 Lower airway potential difference measurements in non-CF and CF subjects. EFWF Alton, SL Chadwick, SN Smith, M Stern, U Pastorino, M Scallan, DM Geddes

3.00 S23 In vivo transfer of the β-galactosidase gene into malignant mesothelioma cells induces tumour rejection. KV Lukacs, O Pardo, C Porter, J Browning, NJ Caplen, M Manvell, MKL Collins, DM Geddes, EFWF Alton


3.30 TEA will be served in the BENJAMIN BRITTEN LOUNGE
Monday 9 December

WHITTLE ROOM
4.00 PRESIDENTIAL ADDRESS: The BTS – which direction now? – Dr K Prowse (Stoke on Trent)
Introduction: Dr JE Stark (Cambridge)

WHITTLE ROOM
4.30 ANNUAL GENERAL MEETING including the presentation of the first BTS Medal
Chairman: Dr K Prowse (Stoke on Trent)

Tuesday 10 December 1996

FLEMING ROOM
8.30–9.30 Poster Viewing: P45–P58 Airway pharmacology
Poster Viewing: P59–P70 Occupational and environmental influences on the lungs
9.30–10.00 Poster Discussion: P45–P58 (St James’s Suite)
Poster Discussion: P59–P70 (Henry Moore Room)

P45 Cough sensitivity to nebulised capsaicin and low chloride solution in laryngectomees. JD Myers, BH Shakur, E El Khushman, A Perry, AD Cheesman, PW Ind

P46 β2-adrenoceptor (β2-AR) polymorphism determines susceptibility to bronchodilator desensitisation in asthmatics. KS Tan, IP Hall, J Dewar, E Dow, BJ Lipworth

P47 β2-adrenoceptor (β2-AR) regulation and function in female asthmatics receiving the oral combined contraceptive pill. KS Tan, LC McFarlane, BJ Lipworth

P48 Regulation of pulmonary β2 adrenergic receptor expression: correlation between receptor density, function and genotypes. SU Rahman, CG Rhodes, IP Hall, PW Ind, T Jones, JMB Hughes

P49 Cultured human airway smooth muscle cells release PGE2 in response to bradykinin, growth factors and arachidonic acid. LP Pang, AJ Knox

P50 Prostaglandin E2 production by ovine tracheal epithelium: control by cyclic nucleotides. SP Range, G Basten, E Holland, AJ Knox

P51 Synthesis of cyclic guanosine monophosphate (cGMP) in cultured human airway smooth muscle cells. AM Hamad, SP Range, AJ Knox

P52 Interleukin-1β causes induction of cyclooxygenase-2 in cultured human airway smooth muscle cells. LH Pang, AJ Knox

P53 Effect of loratadine on nitrogen dioxide(NO2)-induced release or pro-inflammatory mediators from cultured human bronchial epithelial cells. JL Devalia, H Bayram, OA Khair, MM Abdelaziz, C Rusznak, RJ Sapsford, RJ Davies

P54 Nedocromil sodium attenuates bronchial epithelial cell-induced eosinophil adhesion and release of sICAM-1 from endothelial cells in vitro. MM Abdelaziz, OA Khair, JL Devalia, RJ Sapsford, C Rusznak, H Bayram, M Calderon, RJ Davies

P55 Fluticasone propionate (FP) and beclometasone dipropionate (BDP) attenuate ozone (O3)-induced release of inflammatory cytokines from nasal epithelial cells (NEC) of atopic rhinitic subjects. MA Calderon, JL Devalia, MM Abdelaziz, RJ Sapsford, AJ Prior, RJ Davies

P56 Effect of fluticasone propionate aqueous nasal spray on allergen-induced inflammatory changes in the nasal airways of allergic rhinitics following exposure for six hours to 400PPB nitrogen dioxide (NO2). JH Wang, JL Devalia, C Rusznak, A Bagnall, RJ Sapsford, RJ Davies

P57 Frusemide and cyclosporin do not inhibit early antigen response in sensitised guinea pig tracheal tubes. SR Johnson, A Alibhai, AE Tattersfield, AJ Knox

P58 Attenuation of propranolol-induced bronchoconstriction by nebulised frusemide. JD Myers, MA Higham, BH Shakur, PW Ind

P59 Occupational asthma in healthcare workers; results from the Shield Surveillance Scheme in the West Midlands, UK. S Siriruttanapruk, PS Burge

P60 The study of occupational asthma surveillance in hospitals in the West Midlands, UK. S Siriruttanapruk, PS Burge, AS Robertson

P61 Outcome of occupational asthma due to platinum salts. BK Assoufi, K Venables, A Cook, J Stevens, M Dally, P Linnett, A Newman-Taylor
Tuesday 10 December Occupational and environmental influences on the lungs contd

P62 Reducing exposure to cat allergen in hospitals: the effect of regular vacuum cleaning on Fel d 1 in upholstered chairs. HC Francis, AM Fletcher, CAC Pickering, A Smith, RM Green, A Custovic, A Woodcock

P63 Distribution and aerodynamic characteristics for major cat allergen Fel d 1. A Custovic, A Smith, R Green, A Woodcock.

P64 Correlation between levels of major cat allergen Fel d 1 in reservoir and settling dust in homes with and without cats. A Smith, A Custovic, R Green, A Woodcock

P65 House dust mite allergen accumulation on sheepskins. R Siebers, J Crane, P Fitzharris

P66 Exercise induced bronchospasm in Ghana: prevalence in urban and rural children. EOD Addo Yobo, A Custovic, SCO Taggart, AP Asafo-Agyei, A Woodcock

P67 Number preference in reading peak expiratory flow meters. P Bright, PS Burge

P68 Comparison of mean daily diurnal variation in peak expiratory flow and FEV₁. P Bright, PS Burge

P69 The effects of cigarette smoking and duration of work on the lung function of coal miners. PS Sandhu, SJ Bourke, DJ Hendrick, SC Stenton

P70 The assessment of short and long term morbidity following smoke inhalation injury. JG Williams, C Clark

WHITTLE ROOM
9.00–10.30 Management of lung cancer Chairman: Dr RJ White (Bristol)

9.00  S25 Cancer care delivery: are the standards in the Whitehouse report attainable. A Mears, MB Allen

9.15 S26 Waiting times in lung cancer: what is achievable by a multidisciplinary team? PC Deegan, S Stevens, L Heath, J Brunskill, WJM Kinneir, IDA Johnston

9.30 S27 In-patients with lung cancer: a study of the extent of non-referral to specialist care. PH Johnson, L Heath, J Brunskill, IDA Johnston

9.45 S28 Influence of thoracic CT and guided fine needle biopsy on management of solitary pulmonary nodules ≤3 cm in diameter. DR Baldwin, A Wells, J Kolbe, D Milne, E Steele, M Wilsher, T Eaton, T Christmas, J Mercer, J Garrett

10.00 S29 Quality of life (QOL) in patients with lung cancer: an important prognostic factor. A Montazeri, R Milroy, CR Gillis, J McEwen

10.15 S30 Effects of interstitial laser photocoagulation on normal lung parenchyma. DI Fielding, G Buonaccorsi, A Hanby, M Hetzel, SG Bown

WESTMINSTER SUITE
9.00–10.30 Symposium: Leucocyte traffic in inflammatory lung disease Chairman: Dr AB Millar (Bristol)

9.00 Adhesion molecules – Dr AJ Wardlaw (Leicester)

9.25 Chemokines – Dr P Jose (London)

9.50 Apoptosis – Professor C Haslett (Edinburgh)

10.15 Discussion

ST JAMES'S SUITE
9.30–10.30 Poster Discussion: P45–P58 Airway pharmacology Chairman: Dr NC Barnes (London) and Dr DF Rogers (London)

HENRY MOORE ROOM
9.30–10.30 Poster Discussion: P59–P70 Occupational and environmental influences on the lungs Chairman: Professor JG Ayres (Birmingham) and Professor A Seaton (Aberdeen)

10.30 COFFEE will be served in the BENJAMIN BRITTEN LOUNGE
Tuesday 10 December

**WHITTLE ROOM**

11.00–12.30  **Symposium: Airways obstruction: Does the pathology matter?**  Chairman: Dr NC Barnes (London)

11.00  Pathology of asthma and COPD – Dr P Jeffrey (London)

11.25  Asthma and COPD, the pathology of, exacerbations and treatment – Professor L Fabbri (Ferrara, Italy)

11.50  How does understanding of pathology help the clinician treat patients with airflow obstruction – Professor PMA Calverley (Liverpool)

12.15  Discussion

**WESTMINSTER SUITE**

11.00–12.30  **Tuberculosis**  Chairman: Dr LP Ormerod (Blackburn)

*AC Hayward, DE Bennett, J Herbert, JM Watson*


11.30  S33  Culture positive tuberculosis in HIV seropositive patients in the UK, 1993–94.  *DE Bennett, D Howitt, J Herbert, M Chadwick, I Farrell, N Lightfoot, B Watt, R Williams, F Drobniwski, JM Watson*


12.00  S35  Long-term trends in tuberculosis: comparison of age-cohort data in Hong Kong and England and Wales.  *K Tocque, MA Bellis, CM Tam, SL Chan, Q Syed, PDO Davies*

12.15  S36  Administration of the BCG vaccination using the multipuncture method in schoolchildren – a comparison with the intradermal method.  *N Al Jarad, R Obeng, L Swann, M Whyte, EA Paul, DW Empey, G Duckworth*

**ST JAMES’S SUITE**

11.00–12.30  **Nasal ventilation**  Chairman: Dr MP Carroll (Southampton)

11.00  S37  Long term effects of non-invasive intermittent positive pressure ventilation (NIPPV) on chronic ventilatory failure due to COPD.  *P Sivasyo, IE Smith, JM Shneerson*

11.15  S38  Randomised crossover study of inspiratory positive airway pressure on gas exchange and dyspnoea during nasal ventilation in stable COPD.  *EM Ward, JC Bestall, TR Seemungal, JA Wedzicha*


11.45  S40  Patterns of abnormality on overnight oximetry before and during NIPPV.  *IE Smith, JM Shneerson*

12.00  S41  Dips in overnight arterial saturation during NIPPV: relationships with sleep stages and ventilators.  *IE Smith, JM Shneerson*

12.15  S42  Autonomic dysfunction in patients with nocturnal hypoventilation.  *JP Watson, J Nolan, S Evans, MW Elliott*

**HENRY MOORE ROOM**

11.00–12.30  **Interstitial lung disease**  Chairman: Professor GJ Laurent (London)

11.00  S43  Cryptogenic fibrosing alveolitis does not appear associated with Epstein-Barr virus infection.  *A Wangoo, AG Nicholson, TC Diss, PJ Farrell, RM du Bois, RJ Shaw*

11.15  S44  Cryptogenic fibrosing alveolitis (CFA) and lung cancer – is there an association?  *JM Harris, P Cullinan, JC McDonald*

11.30  S45  Induced sputum from patients with sarcoidosis is more cellular than that from control subjects.  *CM O’Donohoe, VM Keatings, DM O’Donnell, B Monaghan, C O’Connor, MX FitzGerald*

11.45  S46  Flow cytometric analysis of cytokine production in the lymphocytic alveolitis of sarcoidosis.  *DM O’Donnell, KJ McMahon, C O’Connor, MX FitzGerald*

12.00  S47  Growth hormone and insulin-like growth factor-1 gene expression in bronchoalveolar lavage cells using RT-PCR.  *CA Bloor, JT Allen, RA Knight, MA Spiteri*

12.15  S48  Elevated expression of insulin-like growth factor binding protein-3 (IGFBP-3) in bronchoalveolar lavage fluid (BALF) of patients with pulmonary fibrosis.  *JT Allen, RA Knight, KA Meadows, JMP Holly, MA Spiteri*
Tuesday 10 December

WHITTLE ROOM
12.40–1.15  SNELL MEMORIAL LECTURE: Pulmonary infection with opportunistic mycobacteria
Dr IA Campbell (Penarth) Introduced by Dr JE Stark (Cambridge)

1.15  LUNCH for ticket holders will be served in the BENJAMIN BRITTEN LOUNGE

FLEMING ROOM
1.30–2.30  Poster Viewing: P71–P84 Lung function tests
Poster Viewing: P85–P89 Management of cystic fibrosis

2.30–3.30  Poster Discussion: P71–P84 (Westminster Suite)
Poster Discussion: P85–P89 (St James’s Suite)
Poster Discussion: P99–P114 (Henry Moore Room)

P71  Severity of impairment in lung function tests – comparison of standardised residuals with percent predicted.  L Phillips, L Watson, W Kinneir

P72  Predicted lung function for Asians.  CJ Warburton, AM Fletcher, CAC Pickering, RM Niven, D Fishwick

P73  Actual/best function as a predictor in the long term outcome of asthma.  CK Connolly, M Mamun, SM Alcock, RJ Prescott

P74  Acute steroid trials in COPD: lessons from the Isolde trial.  PS Burge, PMA Calverley, JE Daniels

P75  COPD guidelines and general practice – use of spirometers.  D Bellamy, G Hoskins, B Smith, F Warner, R Neville


P77  Measurement of sniff nasal inspiratory pressure using a portable mouth pressure meter.  L Watson, L Phillips, W Kinneir

P78  Diaphragm strength measured using magnetic phrenic nerve stimulation in the intensive care unit.  PD Hughes, ML Harris, MI Polkey, J Moxham, M Green

P79  Abdominal muscle strength measured by gastric pressure during maximal cough.  D Kyroussis, MI Polkey, PD Hughes, TA Flemming, CN Wood, GH Mills, CH Hamnegård, M Green, J Moxham

P80  Effect of salbutamol on input impedance measurements in laryngectomized subjects during tidal breathing.  DP MacLeod

P81  Regional ventilation and perfusion lung scan abnormalities in atopic asthmatics following allergen challenge: comparison with airway function and gas exchange.  K Parameswaran, AC Knight, S Thornell, ED Williams, NP Keaney, IK Taylor


P83  Reversibility to bronchodilators: are forced expiratory manoeuvres the best?  JM Samways, JA Iones

P84  Lung function is generally preserved following peripheral blood stem cell transplant.  S Hamid, I El-Hemaidi, SA Schey, HJ Milburn

P85  Gastrostomy feeding significantly improves lung function in children with cystic fibrosis.  J Davies, J Francis, U Butt, M Rosenthal, A Bush

P86  Nutrition, diabetes, pancreatic function and survival in a Birmingham cystic fibrosis clinic.  C McCloskey, F Edenborough, J Cafferty, A Thomas, D Stableforth

P87  Cystic fibrosis related diabetes (CFRD): a retrospective survey of adult cystic fibrosis (CF) patients of Royal Brompton Hospital (RBH) from 1966–1996.  B Yung, F Ashworth, DM Geddes, ME Hodson

P88  The use of raised random blood glucose (RBG) alone is unreliable in the diagnosis of cystic fibrosis related diabetes (CFRD).  B Yung, M Kemp, J Hooper, AF Lant, ME Hodson

P89  Symptomatic hypomagnesaemia in cystic fibrosis precipitated by treatment of infection.  H Makker, F Edenborough, A Jones, D Stableforth

P90  Progress in treatment in a Birmingham adult cystic fibrosis clinic slows functional decline.  F Edenborough, J Cafferty, C McCloskey, A Thomas, D Stableforth

P91  Physiotherapy and nebulised drug use in a Birmingham adult cystic fibrosis unit: patient practice, knowledge and adherence.  L Gumery, F Edenborough, D Stableforth, A Strachan
The role of E.L.I.S.A. in the early diagnosis of *Pseudomonas aeruginosa* infection in cystic fibrosis. M Desai, L Sykes, PA Lambert, DA Spencer, PH Weller

The clinical significance of the auxotrophic phenotype of *Pseudomonas aeruginosa* in cystic fibrosis. SR Thomas, AJ Chatterjee, ME Hodson, TL Pitt

Inflammatory markers and clinical response to intravenous antibiotics in adults with cystic fibrosis colonised with *Burkholderia cepacia* and *Pseudomonas aeruginosa*. J Hendry, L Nixon, M Dodd, JS Elborn, AK Webb

Is fusarium species a cause of fungal atopy in adult cystic fibrosis? DS McGrath, C Shortt, M Stack, N Kelleher, CP Bredin


The effect of pregnancy on maternal cystic fibrosis vs nulliparous severity matched controls. F Edenborough, W MacKenzie, S Conway, K Webb, D Stableforth

Is the risk of foetal anomalies greater in mothers with cystic fibrosis? F Edenborough, W MacKenzie, S Conway, A Knox, D Stableforth

Inhibitory conformation of the reactive loop of α1-antitrypsin. PR Elliott, JP Abrahams, RW Carrell, DA Lomas

Identification of a novel conformation of alpha1-antichymotrypsin: an explanation for the reactive species found in lung lavage from patients with chronic bronchitis and emphysema. WSW Chang, DA Lomas

Matrix metalloproteinases in emphysema. GA Finlay, KJ Russell, K McMahon, EM D’Arcy, JB Masterson, MX FitzGerald, CM O’Connor

Matrixmetalloproteinases expression by alveolar macrophages in emphysema. LR O’Driscoll, GA Finlay, MX FitzGerald, CM O’Connor

Cigarette smoke enhances house dust mite allergen (DER P1)-induced changes in permeability of human bronchial epithelial cell cultures (HBEC). C Rusznak, JL Devalia, RJ Sapsford, AJ Wood, RJ Davies, S Lozewicz

Epithelial permeability in vivo and in vitro and TNFα in non smokers and smokers. D Morrison, RM Strieter, S Donnelly, MD Burdick, SL Kunkel, W MacNee

Manganese superoxide dismutase (MnSOD) mRNA expression is decreased in LPS-stimulated alveolar macrophages from cigarette smokers. S Rotondetto, J Allen, RA Knight, MA Spiteri

Transcriptional induction of γ-glutamylcysteine synthetase by oxidants is associated with AP-1 in human alveolar epithelial cells. I Rahman, CAD Smith, DJ Harrison, W MacNee

Modelling the interaction between ozone (O3) and pulmonary epithelial lining fluid (ELF) antioxidants. IS Mudway, FJ Kelly

Pro-inflammatory effect of particulate air pollution (PM10) in vivo and in vitro. XY Li, PS Gilmour, K Donaldson, W MacNee

Pro-oxidant hypoxanthine and xanthine in the plasma of patients with ARDS. GJ Quinlan, NJ Lamb, TW Evans, JCM Gutteridge

An in vitro model of neutrophil migration across human pulmonary artery endothelial monolayers. AJ Mackarel, MX FitzGerald, CM O’Connor

Interleukin 1-β induces neutrophil adhesion to human pulmonary artery endothelial cells. S Davern, CM O’Connor, TJ McDonnell

Cross-desensitisation of neutrophil IL-8 receptors involves differential receptor subtype regulation. I Sabroe, CA Hébert, TJ Williams, PD Collins

Epithelial cells are a source for macrophage migration inhibitory factor (MIF) – potential role in acute respiratory distress syndrome (ARDS). I Rahman, C Haslett, A Rossi, PT Reid, W Wallace, R Bucala, C Metz, SC Donnelly

Diesel exhaust particulates (DEP) enhance the release of pro-inflammatory mediators from human bronchial epithelial cells, in vitro. H Bayram, JL Devalia, RH Sapsford, M Sagai, RJ Davies

**WHITTLE ROOM**

2.00–3.30  Symposium: Early influences on lung disease  
Chairman: Professor JH Price (London)

2.00  Growth and development of the respiratory system – Dr J Stocks (London)

2.25  The wheezing epidemic, present and future – Professor PJ Helms (Aberdeen)

2.50  Survivors of preterm birth – Professor M Silverman (Leicester)

3.15  Discussion
Tuesday 10 December

WESTMINSTER SUITE
2.30–3.45 Poster Discussion: P71–P84 Lung function tests Chairmen: Mr D Cramer (London) and Dr PA Corris (Newcastle upon Tyne)

ST JAMES’S SUITE
2.30–3.45 Poster Discussion: P85–P98 Management of cystic fibrosis Chairmen: Dr DM Geddes (London) and Dr JA Innes (Edinburgh)

HENRY MOORE ROOM
2.30–3.45 Poster Discussion: P99–P114 Mechanisms of lung injury and inflammation Chairmen: Dr MA Spiteri (Stoke on Trent) and Dr TD Tetley (London)

3.30 TEA will be served in the BENJAMIN BRITTEN LOUNGE

WHITTLE ROOM
4.00–5.30 Respiratory tract infections Chairman: Dr DM Mitchell (London)

4.00 S49 Respiratory tract infection (RTI) in the community. Does a chest radiograph (CXR) influence treatment? JCG Simpson, P Hulse, PM Taylor, M Woodhead
4.15 S50 The influence of antibiotics and other factors on reconsultation for acute lower respiratory tract illness in primary care. WF Holmes, JT Macfarlane, RM Macfarlane, S Lewis
4.30 S51 Acute lower respiratory tract illness (LRTI) in general practice; a study of the views of 787 patients and their influence on antibiotic prescribing. JT Macfarlane, WF Holmes, RM Macfarlane
4.45 S52 Antibiotic resistance in Streptococcus pneumoniae: one hospital’s experience. JA Smith, JK Struthers, MA Woodhead
5.00 S53 Chlamydia pneumoniae antibody titres are significantly associated with the use of steroid medication in respiratory disease. PJ Cook, D Honeybourne, R Wise, P Davies
5.15 S54 The simultaneous administration of influenza vaccine and 23-valent pneumococcal polysaccharide vaccine in patients with chronic respiratory disease. T Fletcher, W Tunnicliffe, K Hammond, K Roberts, JG Ayres

WESTMINSTER SUITE
4.00–5.30 Paediatric respiratory disease – jointly with the British Paediatric Respiratory Group Chairman: Dr DP Heaf (Liverpool)

4.00 S55 Asthma, its treatment and social deprivation – the effect on growth in children. C McCowan, RG Neville, IK Crombie, FC Warner, GE Thomas, RA Clark, IW Ricketts, SA Greene, AY Cairns, E White
4.15 S56 Clinical significance of excess cough as a solitary symptom. YJ Kelly, BJ Brabin, D Heaf, MG Pearson
4.30 S57 Premorbid infant respiratory function and wheezing in the first year of life: a population based study in London. C Dezateux, J Stocks, I Dundas, L Pilgrim, M Fletcher
4.45 S58 The GLU27 β-adrenoceptor polymorphism is associated with childhood asthma. P Helms, E Hopes, C McDougall, G Christie, A Wheatley, J Dewar, I Hall
5.00 S59 Antioxidant status in children with different respiratory symptoms. YJ Kelly, BJ Brabin, G Nair, L Burgess, MG Pearson
5.15 S60 Serum dependence of oxygen stimulated DNA synthesis in human fetal airway smooth muscle cells: implications for the pathogenesis of bronchopulmonary dysplasia. HC Pandya, SJ Hirst, CHC Twort, JPT Ward
Tuesday 10 December

ST JAMES’S SUITE
4.00–5.30  **Respiratory disease in the elderly** – jointly with the respiratory section of the British Geriatrics Society
Chairman: Professor J Moxham (London)

4.00  S61  Respiratory symptoms, smoking and mortality in older men and women: an epidemiological study.  
L Dow, T Villar, D Coggon, C Osmond, MJ Campbell, ST Holgate

4.15  S62  Long-term benefits of pulmonary rehabilitation (PR) in elderly patients with chronic obstructive pulmonary disease (COPD).  
J Roomi, A Yohannes, MJ Connolly

4.30  S63  The impact on carers of disability due to chronic obstructive pulmonary disease (COPD).  
ST Rudkin, RP Smith, RJ White

4.45  S64  Contractile properties of the elderly human diaphragm.  
MI Polkey, ML Harris, CH Hamnegård, PD Hughes, D Lyons, M Green, J Moxham

5.00  S65  The effect of salbutamol on sleep architecture of asthmatic patients of different ages.  
EC Smith, SJ Wilson, G Laszlo, JC Pounsford

5.15  S66  Unsuspected chest radiographic abnormalities in young and elderly acute asthma admissions.  
EC Pulford, PM Taylor, CC Hardy, M Woodhead, MJ Connolly

HENRY MOORE ROOM
4.00–5.45  **Nitric oxide**
Chairman: Professor TW Higenbottam (Sheffield)

4.00  S67  Influence of breathhold on peak and plateau concentrations of nitric oxide in the exhaled air of adults.  
WS Tunnicliffe, TJ Fletcher, DC Chambers, JG Ayres

4.15  S68  Measurement of lower respiratory tract nitric oxide: validity of using values at 75% of exhaled volume.  
DC Chambers, WS Tunnicliffe, TJ Fletcher, JG Ayres

4.30  S69  Nitric oxide in exhaled air of cigarette smokers.  
TJ Fletcher, WS Tunnicliffe, DC Chambers, JG Ayres

4.45  S70  Non invasive assessment of response to inhaled nitric oxide in normal subjects.  
SJ Brett, J Chambers, M Rosenthal, TW Evans

5.00  S71  Inhaled nitric oxide worsens gas exchange in pulmonary fibrosis associated pulmonary hypertension.  
E Gabbay, S Haynes, PA Corris

5.15  S72  Exhaled nitric oxide is normal in sarcoidosis patients with active alveolitis.  
DM O’Donnell, VM Keatings, C O’Connor, P McLoughlin, MX FitzGerald

5.30  S73  Exhaled nitric oxide (NO) is not elevated in patients with cystic fibrosis or bronchiectasis compared to normals.  
LP Ho, JA Innes, AP Greening

7.30  CONFERENCE DINNER: The Law Society, 113 Chancery Lane, LONDON WC2A 1PL

Wednesday 11 December 1996

FLEMING ROOM
8.30–9.30  Poster Viewing: P115–P126  **Lung cancer**
Poster Viewing: P127–P138  **Cystic fibrosis: pathogenesis of lung disease**

9.30–10.30  Poster Discussion: P115–P126 (Westminster Suite)
Poster Discussion: P127–P138 (Henry Moore Room)

P115  A phase II study of an intensive modified ‘ice’ regimen in patients with good prognosis small cell lung cancer.  
PM Shevin, ML Stead, JM Brown, MF Muers, MD Peake, HSR Hosker

P116  Enhanced survival in small cell lung cancer with dose modification according to renal function.  
SM Bayston, JM Walmsley, HSR Hosker, JJ Booth, AG Arnold, MA Greenstone, DV McGivern

JY Douillard

P118  A phase II of cisplatin (CDDP), ifosfamide (IFM) and increasing dosage of navelbine (NVB) in unresectable non-small cell lung cancer (NSCLC).  
PJ Souquet, P Fournel
Wednesday 11 December *Lung cancer* contd

P119 High dose-rate intraluminal radiotherapy for tracheal carcinoma. *G Ng Man Kwong, P Barber, P Burt, R Stout*


P121 Histological confirmation rates and survival in lung cancer in Yorkshire. *CK Connolly, CF Johnston, PL Rider*

P122 Immune cell infiltrates and prognosis in primary lung cancer. *SK Johnson, KM Kerr, G King, MM Kennedy, RR Jeffrey*

P123 Rising incidence of primary lung adenocarcinoma in North East Scotland. *KM Kerr, SK Johnson, MM Kennedy, RR Jeffrey*

P124 Lung cancer: local review of services. *H Pickles, M Rudolf*

P125 Lung cancer service provision in a large teaching hospital. *CJ Warburton, I Ryland, A Cooper, JE Earis*

P126 A named nurse programme for the care of patients with lung cancer. *A Fennerty, A Reid, M O'Donnell, J Copeland, R Monie*

P127 *Pseudomonas aeruginosa* adherence to cystic fibrosis respiratory epithelium is reduced by anti-asialo GM1 antibody and neuraminidase inhibition. *J Davies, A Dewar, A Bush, DM Geddes, EFWF Alton*


P129 Responsiveness of circulating neutrophils from acutely infected and stable cystic fibrosis patients to stimulation. *KJ Russell, J McRedmond, N Mukherji, V Keatings, M Fox Fitzgerald, CM O'Connor*

P130 Neutrophil responsiveness in cystic fibrosis patients is affected by clinical state. *LS Nixon, B Yung, SC Bell, JS Elborn, DJ Shale*

P131 Protease content of circulating neutrophils from patients with cystic fibrosis. *C Costello, KJ Russell, V Keatings, S Linnane, MX FitzGerald, CM O'Connor*

P132 Circulating immunoreactive interleukin-6 (IL-6) in cystic fibrosis. *LS Nixon, B Yung, SC Bell, JS Elborn, DJ Shale*

P133 Free radical activity and antioxidant levels in serum of diabetic and non-diabetic cystic fibrosis patients. *A McLean, A Rumley, BHR Stack*

P134 The effect of intravenous antibiotic therapy on markers of oxidative stress in cystic fibrosis. *SP Range, C Dunster, AJ Knox, FJ Kelly*

P135 Short term effect of nebulised human recombinant DNase (rhDNase) on neutrophil inflammatory products in cystic fibrosis. *SP Range, S Crouch, AJ Knox*

P136 Effect of cyclic guanosine monophosphate (cGMP) on ovine airway epithelial transport. *SP Range, G Basten, AJ Knox*

P137 *In vivo* assessment of potential novel pharmacological agents to activate CFTR in cystic fibrosis. *SN Smith, SL Chadwick, R Farley, J Browning, PM Middleton, SJ Delaney, S Rolleston, B Wainwright, DM Geddes, EFWF Alton*


### WHITTLE ROOM

**9.00–10.30** *Acute exacerbations of COPD*  
Chairman: Dr RD Stevenson (Glasgow)

**9.00** S74 Factors predisposing to exacerbations in patients with COPD. *T Seemungal, EA Paul, GC Donaldson, JA Wedzicha*

**9.15** S75 Effect of outdoor temperature on daily lung function and exacerbations in patients with COPD patients. *GC Donaldson, T Seemungal, C Evans, EA Paul, JA Wedzicha*

**9.30** S76 Symptomatic and spirometric change during exacerbations of chronic obstructive pulmonary disease (COPD). *L Davies, RM Angus, MG Pearson, PMA Calverley*

**9.45** S77 Criteria for non-invasive ventilation in chronic obstructive pulmonary disease (COPD): who is eligible? *MJ Doherty, MA Greenstone*

**10.00** S78 Severity scoring in acute exacerbations of chronic obstructive Airways disease (COAD). *IM Stell, RJ Edwards, MJ Polkey, AJ Williams, J Moxham, J Rees*

**10.15** S79 Assessment of the appropriateness of admissions of patients with exacerbation of chronic obstructive pulmonary disease (COPD). *E Skwarska, K Skwarski, W MacNee*
Wednesday 11 December

ST JAMES'S SUITE
9.00–10.30 Symposium: Pneumoconiosis and emphysema  
Chairman: Dr K Prowse (Stoke on Trent)
9.00 Coal dust exposure causes disabling emphysema – Professor A Seaton (Aberdeen)
9.20 Does it? – the sceptic’s view – Dr DJ Hendrick (Newcastle upon Tyne)
9.40 The Pathologist’s view – Dr AR Gibbs (Penarth)
10.00 The verdict – Dr K McConnachie (Cardiff)
10.20 Appeals

WESTMINSTER SUITE
9.30–10.30 Poster Discussion: P115–P126 Lung cancer  
Chairmen: Dr PV Barber (Manchester) and Dr S Falk (Bristol)

HENRY MOORE ROOM
9.30–10.30 Poster Discussion: P127-P138 Cystic fibrosis: pathogenesis of lung disease  
Chairmen: Professor DJ Shale (Penarth) and Dr RA Stockley (Birmingham)

10.30 COFFEE will be served in the BENJAMIN BRITTEN LOUNGE

FLEMING ROOM
11.00–12.15 Poster Viewing: P139–P164 Airways disease
Poster Viewing: P165–P181 Clinical practice
P139 The effect of inhaled beta agonists and anticholinergic agents upon heart rate variability.  
F Zaman, J Nolan, MW Elliott
P140 Experience with long-term methotrexate in steroid-dependent asthma over six years.  
RJ Shiner, T Shulimzon, H Roizin, P Weiss, S Benzaray
P141 The measurement of serum prednisolone and cortisol in patients with severe asthma.  
WTunnicliffe, G Bayly, W Bartlett, A Jones, J Ayres
P142 Comparison of a desktop and a laboratory theophylline assay system in clinical practice.  
JL Kiely, G Lawless, S Cunningham, WT McNicholas
P143 Randomised controlled assessment of a ‘windmill trainer’ device in the measurement of PEF in children.  
A Knight, D Bellamy, M Levy, G Rowe, H Waller, M Bland
P144 Northampton asthma survey: results of a postal questionnaire.  
M Jeffrey, K Meadows, T Greene, AA Jeffrey
P145 A study to assess the need for a referral book for patients with asthma.  
M White, M Waldron
P146 One year’s asthma admissions in Cornwall – still deficiencies in basic care.  
LA Blackburn, DJ Denn, HF Oliver, PJM Vickery, J Waldron
P147 Defining the role of the respiratory nurse specialist in the South West region.  
ST Rudkin, P Turton, S Halford, J Rollason
P148 The combined role of the respiratory health practitioner and the physiotherapist in reducing bed occupancy in patients with chronic respiratory disease.  
L O’Shea, SE Prigmore, CT Rennalls, RA Parker, CFJ Rayner
P149 Unrecognised needs of patients with end stage pulmonary disease may be identified by the respiratory nurse practitioner in the primary setting.  
SE Prigmore, CT Rennalls, CFJ Rayner
P150 Survey of health monitoring data at European level for asthma.  
L Forbes, D Jarvis, P Burney
P151 Assessing the quality of life of asthma in family practice.  
A McIvor, P Norton
P152 The impact of severe asthma on the lives of women.  
R Fitch
P153 The prevalence of anxiety and depression in patients with chronic non-productive cough.  
LPA McGarvey, LA Gamble, C Carton, LG Heaney, RC Lowry, DRT Shepherd, J MacMahon
P154 Can short term effects of cough remedies be measured?  
CS Potter, KM Sykes, MG Pearson
P155 Airways inflammation in chronic non-productive cough.  
LPA McGarvey, P Forsythe, LG Heaney, J MacMahon, M Ennis
Wednesday 11 December  

Airways disease contd

P156  
Time series analysis of FEV₁ in patients with exacerbations of COPD.  
* T Seemungal, GC Donaldson, EA Paul, JA Wedzicha

P157  
Patterns of symptom change during an exacerbation of chronic obstructive pulmonary disease (COPD).  
* L Davies, RM Angus, MG Pearson, PMA Calverley

P158  
The severity of COPD, autonomic nerve function, cardiac arrhythmias and mortality.  
* W Biernacki, J Harris, S Scholey, MD Peake

P159  
Evaluation of domiciliary long-term oxygen therapy with oxygen concentrators.  
* RJ Shiner, U Zaretsky, M Mirali, S Benzaray, D Elad

P160  
Patient acceptability of a combined oxygen concentrator and nebuliser unit.  
* K Hammond, TJ Fletcher, WS Turncliffle, P Ottawa, JG Ayres

P161  
Inhaler use in chronic obstructive pulmonary disease.  
* S Oliver, PJ Rees

P162  
Smoking and quality of life among adult patients prescribed bronchodilators.  
* LM Osman, R Robertson, JAR Friend, JS Legge, JG Douglas

P163  
Lymphangioleiomyomatosis: a UK survey.  
* SR Johnson, AE Tattersfield

P164  
The tuberculous sclerosis 2 gene product tuberin is constitutively expressed in human airway smooth muscle and upregulated by serum.  
* SR Johnson, A Pitt, AE Tattersfield, AJ Knox

P165  
Local anaesthetic infiltration prior to arterial puncture; survey of current practice and a randomised double blind placebo controlled trial.  
* JVV Lightowler, MW Elliott

P166  
The systemic fibrinolytic activity of intra-pleural streptokinase in humans.  
* S Lok, RJO Davies

P167  
* Chlamydia pneumoniae* antibody titres are significantly associated with Afro-Caribbean and Asian origin.  
* PJ Cook, D Honeybourne, R Wise, P Davies

P168  
Knowledge and compliance with respiratory physiotherapy techniques in adults with bronchiectasis.  
* AJ White, MT Keogan, D Bilton

P169  
Clinical features and epidemiology of malignant pleural mesothelioma in Glasgow 1987–92.  
* A McLean, KR Patel

P170  
Finger clubbing in malignant pleural mesothelioma.  
* PD Hughes, CR McGavin

P171  
Acute severe alveolar haemorrhage syndrome: a single centre experience.  
* S Finney, MC Venning, JJ Egan

P172  
* AT Hill, RA Stockley

P173  
Comparison of a modified bicarbonate buffer and EuroCollins solution for hypothermic storage of rat lungs: effect on lung function.  
* RL Featherstone, DJ Chambers, MJ Shattock, FJ Kelly, DJ Hearse

P174  
A re-audit of pulmonary function laboratories in the West Midlands.  
* LJ Dowson, M Mushtaq, T Watts, J Shurvinton, R Gooch, R Hayton, M Jones, WH Perks

P175  
A review of the impact pulmonary function testing has in a large teaching hospital in Birmingham.  
* DJ Banerjee, PB Iles, A Moore

P176  
Urinary neopterin excretion as a marker of activity in sarcoidosis.  
* M Labib, S Palfrey, M Cashley, M Bone

P177  
Thin-section spiral volumetric CT for the assessment of lobar and segmental bronchial stenosis.  
* JJ Curtin, BDW Harrison

P178  
Bronchoscopy software development: costs and benefits.  
* SP Hanley, DC Weir

P179  
Comparison of oximetry and transcutaneous carbon dioxide (TcPCO₂) levels in patients undergoing fibreoptic bronchoscopy (FOB).  
* Evans, K Ganeshalingam, P Ebden

P180  
Cryptogenic fibrosing alveolitis – a comparison of presentation, respiratory lung function and outcome between Caucasians and Asians.  
* DJ Banerjee, D Honeybourne, PB Iles

P181  
Antibody levels in saliva of patients with pigeon fancier's lung.  
* CP McSharry, S McGregor, K MacLeod, S Sriram, G Boyd

WHITTLE ROOM

11.00–12.15  
**Symposium: Osteoporosis and steroids**  
Chairman: Dr I A Campbell (Penarth)

11.00  
Bone remodelling – physiological and pathological aspects – Professor R Eastell (Sheffield)

11.20  
The measurement of osteoporosis – radiology and bone densitometry – Dr D Reid (Aberdeen)

11.40  
The measurement of steroid induced osteoporosis – Dr R Francis (Newcastle upon Tyne)

12.00  
Discussion
Wednesday 11 December

WESTMINSTER SUITE
11.00–12.15  Respiratory physiology  Chairman: Dr MDL Morgan (Leicester)

11.00  S80  Is ventilatory breakaway in heavy exercise really due to metabolic acidaemia?  SC Morrison
11.30  S82  Diaphragm and quadriceps strength in chronic heart failure.  PD Hughes, MI Polkey, D Harrington, AJS Coats, J Moxham, M Green
11.45  S83  Comparison of different levels of nasal continuous positive airway pressure (NCPAP) in patients with severe congestive heart failure (CHF) in sinus rhythm (SR) and atrial fibrillation (AF).  JL Kiely, A Buckley, P Shiels, PC Deegan, B Maurer, WT McNicholas
12.00  S84  Frequency dependence of the length-tension relationship of the diaphragm in man.  MI Polkey, CH Hamnegård, D Kyroussis, PD Hughes, ML Harris, GF Rafferty, I Stell, J Moxham, M Green

ST JAMES'S SUITE
11.00–12.15  Epidemiology of airways disease  Chairman: Dr D Jarvis (London)

11.00  S85  Wheezing illness in childhood – the changing contribution of non-virus-associated wheeze.  G Russell, KT Ninan, M Omran
11.15  S86  Risk factors for adult onset wheezing.  C Bodner, S Ross, JG Douglas, J Little, JS Legge, JAR Friend, DJ Godden
11.30  S87  Factors affecting symptom frequency in adolescents with wheeze.  NJ Withers, JL Low, ST Holgate, JB Clough
11.45  S88  Influence on mortality trends of 'false positive' asthma death certification in elderly subjects.  T Aiken, D Reid, V Hendrick, WT Berrill, DJ Hendrick
12.00  S89  The rate of decline of forced expiratory volume in one second (FEV₁) predicts mortality from coronary heart disease in men and women.  M Upton, C Hart, G Watt, D Hole, G Davey Smith

HENRY MOORE ROOM
11.00–12.15  Lung transplantation  Chairman: Dr JJ Egan (Manchester)

11.00  S90  Results of pulmonary transplantation in patients with cystic fibrosis colonised by multiply resistant pseudomonads.  E Gabbay, U Nkere, N Wrightson, FK Gould, JH Dark, PA Corris
11.15  S91  Radiolabelled neutrophil scans following pulmonary transplantation.  O Afolabi, E Gabbay, T Hawkins, P Keavey, PA Corris
11.30  S92  Quantitative PCR for the diagnosis on CMV disease in lung and heart transplant recipients.  JJ Egan, L Barber, A Fox, A Turner, N Yonan, A El Gamel, AA Woodcock
11.45  S93  Scar collagen deposition in the airways of allografts of lung transplant recipients.  L Zheng, C Ward, GI Snell, BE Orsiida, X Li, JW Wilson, TJ Williams, EH Walters
12.00  S94  Nasal intermittent positive pressure ventilation in patients with cystic fibrosis and hypercapnic respiratory failure.  AT Hill, FP Edenborough, RM Cayton, DE Stableforth

WHITTLE ROOM
12.30–1.15  ALTOUNYAN ADDRESS: Clinical trials in lung cancer – optimism vs nihilism – Dr SG Spiro (London) Introduced by Dr K Prowse (Stoke on Trent)

1.15  LUNCH for ticket holders will be served in the BENJAMIN BRITTEN LOUNGE
Wednesday 11 December

FLEMING ROOM
1.30–2.30
Poster Viewing: P182–P199 Inhaled drugs and their delivery
Poster Viewing: P200–P215 Breathing disorders during sleep
Poster Viewing: P216–P224 Assessment of airway inflammation

2.30–3.45
Poster Discussion: P182–P199 (Westminster Suite)
Poster Discussion: P200–P215 (St James’s Suite)
Poster Discussion: P216–P224 (Henry Moore Room)
P182
Inhaler technique among adult patients prescribed bronchodilators. LM Osman, C Calder, R Robertson, JAR Friend, JS Legge, JG Douglas
P183
Systemic effects of high dose inhaled steroids (budesonide, beclomethasone and fluticasone) taken via large volume spacer. D Wales, P McDowall, H Makker, J Kane, BR O’Driscoll
P184
Systemic effects of high dose budesonide (4 mg) taken by four inhaler systems and orally. D Wales, P McDowall, H Makker, J Kane, BR O’Driscoll
P185
Adrenal suppression with inhaled fluticasone propionate (FP) and triamcinolone acetonide (TAA) in normal subjects. AM Wilson, DJ Clark, L McFarlane, BJ Lipworth
P186
A phase III open parallel group study to compare the effects of inhaled fluticasone propionate (FP) (500 mcg bd) and budesonide (BUD) (800 mcg bd) on bone density measurements (BMD) over 1 year in stable chronic asthmatics. J Hughes, B Cony, S Male, R Eastell
P187
Comparison of the systemic effects of salbutamol and terbutaline when inhaled from a metered dose inhaler or as a dry powder in healthy volunteers. CD Burgess, R Siebers, N Lever, J Crane
P188
Improved delivery beclomethasone dipropionate (BDP) 400 mcg daily achieves equivalent asthma symptom control as 800 mcg daily from conventional CFC inhaler. D Donnell, G Gross, J Vandenburt, P Stampone, M Amies
P189
Bricanyl™ Turbohaler™, Serevent™ Accuhaler™ & Foradil™ Aerolizer™: comparative drug delivery. BJ Meakin, PD Dimond
P190
Comparison of the effect of non-chlorofluorocarbon-containing (Non-CFC) salbutamol and conventional chlorofluorocarbon (CFC) salbutamol in asthmatic children. HP Van Bever, KN Desager, PA Vermeire
P191
Moderately severe asthma controlled at a significantly lower dose from a new CFC-free steroid inhaler. R Davies, D Donnell, J Simmons, P Stampone
P192
Comparison of pMDI plus Nebuhaler® and Turbohaler® in asthmatic patients with dysphonia. MH Dewar, SP Matusiewicz, A Ning, A Jamieson, A McLean, AP Greening, R Sanderson, GK Crompton
P193
Pharmacokinetics of beclomethasone dipropionate from CFC-free ultrafine aerosol and conventional CFC inhalers in asthmatics. L Harrison, I Soria, J Machacek, J Jacobson, A Purrington, A Cline, S McCarville, J Grassell, D Dahl, T Wells, S Chang, W Howland
P194
The in vitro deposition of lactose carrier from dry powder inhaler formulations. T Srichana, GP Martin, C Marriott
P195
Improving the delivery efficiency of dry powder inhalers (DPIs) by adding fine carrier particles to powder formulations. XM Zeng, SK Tec, GP Martin, C Marriott
P196
Improved inhaler performance with a CFC-free beclomethasone MDI. T Purewal, D June, D Schultz
P197
The non-CFC salbutamol metered dose inhaler performance with a spacer device. TS Purewal, N Patel, DA Warren
P198
Peak inspiratory flow through Turbohaler® in chronic obstructive pulmonary disease. MH Dewar, GK Crompton, A Jamieson, A McLean
P199
Turbohaler: objective assessment of patient generated flow. S Johnson, JF Miles, DC Weir, SP Hanley
P200
Relationship between autonomic arousals, EEG arousals, respiratory events and subjective sleepiness in patients undergoing investigation for obstructive sleep apnoea. DJ Pitosn, JR Stradling
P201
Inter-observer variability in the assessment of EEG arousal. MJ Driman, A Murray, CJ Griffiths, GJ Gibson
P202
Detection of cortical EEG arousals from a neural network (NN) analysis. LS Bennett, JR Stradling, CJ Barbour, RJO Davies
P203
Effect of snoring on respiratory effort measured indirectly by beat to beat blood pressure. JR Stradling, C Barbour, B Langford, DM Smith, DJ Pitosn
P204
Development of a validated snoring questionnaire: repeatability of questions. PK Plant, MW Elliott
P205
Comparison of a behavioural test to assess daytime sleepiness with the traditional MWT. LS Bennett, JR Stradling, RJO Davies
Wednesday 11 December Breathing disorders during sleep contd

P206 Referral sources and outcomes from 1 year’s home oximetry studies in patients with suspected sleep apnoea (OSA). N Wiltshire, AH Kendrick, JR Catterall

P207 Automatic nasal continuous positive airway pressure titration in the laboratory, patient outcomes. JR Stradling, C Barbour, DJ Pitson

P208 Do CPAP titration studies predict subsequent CPAP usage or effectiveness? AT Whittle, NJ Douglas

P209 Response of bed-partners and patients to nasal continuous positive airway pressure (NCPAP) for obstructive sleep apnoea (OSA). JL Kiely, WT McNicholas

P210 Dental implications of obstructive sleep apnoea (OSA). PR L’Estrange, JM Battagel

P211 HLA-typing in patients with sleep apnoea-hypopnoea syndrome. FGE Böllert, PL Yap, NJ Douglas

P212 The effect of regression dilution bias on the nocturnal hypoxaemia v blood pressure relationship. RJO Davies, A Kendrick, N Wiltshire, J Catterall, J Crosby, JR Stradling


P214 A survey of sleep service provision in North Thames region, UK. R Mathur, V Mak, D Bell

P215 Quality of sleep during NIPPV: a comparison between the Monnal D and the Papworth ventilator. IE Smith, JM Shneerson

P216 Cell counts in spontaneous sputum during exacerbations of asthma and COPD. JD Myers, A Spanevello, G Bolden, PW Ind

P217 Reproducibility of induced sputum cell counts and fluid phase ECP. A Spanevello, AM Sharara, A Bianchi, JD Myers, P Bridge, P Pisati, M Neri, PW Ind

P218 Induced sputum profiles in asthma of differing severity. A Jatakanon, PJ Barnes

P219 Blood and sputum sol inflammatory markers. LS Nixon, B Yang, SC Bell, JS Elborn, DJ Shale

P220 Sputum leukotriene B4 during infective exacerbations of chronic bronchitis. SW Crooks, DL Bayley, SL Hill, RA Stockley

P221 Inflammatory activity in sputum chronic bronchitic and bronchiectasis during clinical stability. SW Crooks, DL Bayley, RC Jones, CG Llewellyn-Jones, SL Hill, RA Stockley

P222 Endothelin-1 levels in induced sputum from asthmatics, normal subjects and smokers – comparison with plasma and saliva levels. GW Chalmers, L Thomson, KJ MacLeod, K Dagg, C McSharry, KR Patel, NC Thomson.

P223 Interrelationships of inflammatory markers in bronchial disease. DL Bayley, SW Crooks, RC Jones, MM Johnson, CG Llewellyn-Jones, SL Hill, RA Stockley

P224 The use of a sputum colour chart in the assessment of bronchial inflammation. DL Bayley, EJ Campbell, M Johnson, SL Hill, RA Stockley

WHIT TL E ROOM
2.00–3.45 Pulmonary rehabilitation Chairman: Professor PMA Calverley (Liverpool)

2.00 S95 Randomised controlled trial of out patient pulmonary rehabilitation in COPD: preliminary results. R Garrod, JC Bestall, R Garnham, EA Paul, PW Jones, JA Wedzicha

2.15 S96 The medical research council breathlessness score is useful in selecting COPD patients for pulmonary rehabilitation. JC Bestall, R Garrod, R Garnham, EA Paul, PW Jones, JA Wedzicha

2.30 S97 Administration of the chronic respiratory disease questionnaire; the importance of identifying previous responses. SJ Singh, J Williams, MDL Morgan

2.45 S98 Do anxiety and depression affect outcome of rehabilitation in severe chronic obstructive pulmonary disease. RP Smith, ST Rudkin, RJ White

3.00 S99 Do patients with chronic obstructive pulmonary disease attending a pulmonary rehabilitation programme adhere to their prescribed home exercise programme? LJ Hunter, SJ Singh, MDL Morgan

3.15 S100 Are activity monitors sensitive enough to detect speeds prescribed to patients with COPD? LJ Hunter, SJ Singh, MDL Morgan

3.30 S101 Could inspiratory pressure support (IPS) be a useful adjunct in pulmonary rehabilitation? MI Polkey, D Kyroussis, TA Fleming, CN Wood, RA Sherwood, J Moxham

WESTMINSTER SUITE
2.30–3.45 Poster Discussion: P182–P199 Inhaled drugs and their delivery

Chairmen: Dr PH Howarth (Southampton) and Dr AA Woodcock (Manchester)
Wednesday 11 December

ST JAMES’S SUITE
2.30–3.45 Poster Discussion: P200–P215 *Breathing disorders during sleep* Chairmen: Professor NJ Douglas (Edinburgh) and Dr RJO Davies (Oxford)

HENRY MOORE ROOM
2.30–3.45 Poster Discussion: P216–P224 Assessment of airway inflammation Chairman: Dr AJ Wardlaw (Leicester) and Dr AP Greening (Edinburgh)

3.45 TEA will be served in the BENJAMIN BRITTEN LOUNGE

*Meeting ends*