

Association of Clinical Electron Microscopists Meeting joint to Pathological Society of Great Britain and Ireland

A.C.E.M. meeting Nottingham Thursday 13th July 2000 programme.

9.00am Registration

9.30am Pin up electron micrographs on poster boards of ACEM meeting room.

10.00am WORKSHOP ON CILIA BRUSHINGS – Specimen collection,
light microscopy and ultrastructural evaluation.

ORGANISED BY: Ann Dewar (Royal Brompton and Harefield NHS Trust)
and Nandi Simpson (Host Defence Unit, Imperial College School of Medicine at
National Heart and Lung Institute, London)

CHAired BY: Professor Peter Cole (Respiratory Physician) - Host Defence Unit,
Imperial College School of Medicine at National Heart and Lung Institute, London

10.50am Coffee break.

11.20am WORKSHOP ON CILIA BRUSHINGS –Continued.

12.10pm Lunch break.

Afternoon lectures chaired by David O'Neill Consultant Paediatric pathologist
Queen's Medical Centre, Nottingham.

1.10pm ULTRASTRUCTURAL PATHOLOGY AND REPRODUCTIVE
MEDICINE" Timothy A. Ryder, PhD Consultant Clinical Scientist
Queen Charlotte's & Chelsea Hospital, London.

2.00pm View pinned up electron micrographs

2.30pm "EM, THE GUT AND CHRONIC DIARRHOEA IN CHILDHOOD"
Alan Phillips, Ph.D., Clinical Scientist and Honorary Senior Lecturer,
Royal Free Hospital, London .

3.30pm Tea Break

4.00pm A.C.E.M. Business meeting (both member and non-member welcome.)

Association of Clinical Electron Microscopists
Nottingham 13th July 2000

Workshop on cilia brushings
Chairman; Prof. Peter Cole¹

10.00	Prof. Peter Cole	Clinical aspects of Ciliary Dyskinesia
10.05	Nandi Simpson ¹	Non-ultrastructural diagnosis; Nasal mucociliary clearance (NMCC), Nitric oxide (NO) Ciliary beat frequency (CBF)
10.15	Andrew Rutman ²	Ciliary beat frequency; New imaging
10.25	Ann Dewar ³	Ultrastructural diagnostic approach
10.35	Discussion	
10.50	Coffee	Workshop Stations (available during coffee and lunch) 1) PCD Support Group video & newsletter 2) Poster information on Screening tests 3) EM recipes, examples of blocks etc 4) Have-a-go at Cilia Quantitation Forms
11.20	Ann Dewar	Morphological variants identified by EM
11.30	General question & answer session	
12.05	Closing remarks	
12.10	Lunch	Workshop Stations

¹ Host Defence Unit, Imperial College School of Medicine at
National Heart & Lung Institute, London

² Department of Child Health, University of Leicester, Leicester
Royal Infirmary, Leicester

³ Electron Microscope Unit, Royal Brompton and Harefield NHS Trust,
London

Cilia Questions

1. Percentage of PCD patients who end up with bronchiectasis?
2. Inheritance of PCD.
3. Genetics of PCD - are any genetic tests under development for common mutations.
4. Have any CF patients (either homo or heterozygous) been inadvertently been assessed for PCD?
5. If saccharine test taken as gold standard what is the expected false negative and positive rate for: EM alone, beat frequency alone, and both tests in the usual order.
6. If PCD misdiagnosed could a patient at a later date sue?

Suggestions.

1. Central register of patients investigated for PCD so that wildly differing referral and reporting rates can be identified and if any evidence of best practice failure - acted upon.
2. E-mailed updates in the theory and practice of PCD diagnosis to all registrants.