

**Provisional Timetable - Paediatric Electron Microscopy Training Day
Friday 4th October 2012, Southampton General Hospital**

Aims and Objectives of the Course

The course is intended to train postgraduate students, biomedical scientists, clinical scientists, and histopathologists in the role of electron microscopy (EM) in paediatric pathology.

Accredited by: IBMS; Royal College of Pathologists

Duration: One day

Time	
9.30 - 10.00	Registration
10.15 - 11.15	<p>Lysosomal storage disorders - part 1 Lysosomal storage disorders - part 2 LSD's are a group of about 50 rare diseases with numerous variant forms occurring in about 1:8000 live births in the UK. They are inherited mainly in an autosomal recessive manner and are generally due to an accumulation of waste products in lysosomes as a result of a missing or reduced enzyme. Storage is in a variety of organs and cell types resulting in the formation of large intracellular lysosomal vacuoles. The aim of this presentation is to highlight the role of cellular pathology in aiding diagnosis. The first part of the presentation will discuss the value of examining blood and bone marrow samples. The second part will detail other tissue samples that may be of value.</p> <p>Glenn Anderson</p>
11.15 - 11.45	Coffee break
11.45 - 12.45	<p>Paediatric renal pathology We will discuss the spectrum of children's kidney disease using recent clinical cases, including crescentic glomerulonephritis, immune complex glomerulonephritis including IgA nephropathy, GBM damage including Alport, haemolytic uraemic syndrome, membranoproliferative glomerulonephritis including dense deposit disease.</p> <p>Paediatric tumour pathology "Sometimes, when no one else can help, its time to call the EM team". Rare unusual tumors, difficult situations and how EM achieved the diagnosis.</p> <p>Darren Fowler</p>
12.45 - 1.45	Lunch
1.45 - 2.45	<p>Ultrastructural support in paediatric diagnosis Electron microscopy is still a valuable tool to aid or in some instances to provide specific clinical diagnoses in childhood disorders. This presentation will cover various areas including lung, GI, skin and muscle pathology.</p> <p>Glenn Anderson</p>
2.45 - 3.15	Tea break
3.15 - 4.15	<p>Diagnostic ultrastructural pitfalls in paediatric pathology - part 1 Diagnostic ultrastructural pitfalls in paediatric pathology - part 2 Paediatric pathology is a discipline where, especially early in one's career, unfamiliar diseases and tissues are often looked at. A selection of interpretative problem cases will be presented. As an alternative talk title: Mistakes - I've made a few..</p> <p>Bart Wagner</p>
4.15 - 4.30	Course Photo, feed back form, attendance certificate.
4.30 - 5.00	Trip round the Biomedical Imaging Unit

Reading material

Each student attending the course will also be supplied with a CD with the lectures on.

Assessment

There is no formal assessment.

Lecturers

Glenn Anderson, Great Ormond Street Hospital, London

Darren Fowler, University Hospital Southampton NHS Trust

Bart Wagner, Royal Hallamshire Hospital, Sheffield