



Metabolic & Endocrine Disorders in Children Critical Care Management

aimed at Clinicians, Nurses and Allied Health Professionals

14th May 2013

Central Manchester Foundation Trust – Post Graduate Education Centre

0830-0900 hours **Refreshments and Registration**

0900-0910 hours **Welcome and Introduction to the Day**

(Andrea MacArthur – Education and Development Practitioner, PICU, RMCH

0910-1000 hours **Metabolic Emergencies – from Presentation to Filtration**

Dr Beth Jameson Consultant in Paediatric Metabolic Medicine, St Mary's.

Aims/Learning Objectives: Case based discussion, review of the biochemistry of hyperammonaemia, the importance of early identification and the highlighting of the serious sequelae of hyperammonaemia. Presentation of a hyperammonaemia guideline.

1000-1045 hours **Endocrine Causes of Hypoglycaemia**

Dr Indi Banerjee - Consultant in Paediatric Endocrinology, RMCH.

Aims/Learning Objectives: Case based discussion, scenarios of hypoglycaemia in endocrine practice, key points of note - awareness of rare but life threatening causes, potential for hypoglycaemia to cause brain injury, prompt treatment of hypoglycaemia.

1045-1100 hours **Refreshments**

1100-1130 hours **Anaesthetic Considerations in the metabolic child**

Dr Rob Walker - Consultant Paediatric Anaesthetist, RMCH

Aims/Learning Objectives: Overview of MPS disorders and possibly some other metabolic problems and the anaesthetic implications. Discuss specific airway problems in MPS disorders and provide guidance and possible anaesthetic solutions

1130-1220 hours **Controversies in Diabetic Ketoacidosis Management**

Dr Julie Edge - Consultant in Paediatric Diabetes, Oxford Children's Hospital

Aims/Learning Objectives: DKA and the management of children and young people with high HbA1c levels. Fluid management, insulin doses, evidence behind current DKA guidelines and thoughts on pathogenesis of DKA. Importance of having a policy for children with high HbA1c levels so that they have increased contact and an approach to the psychology of poor diabetes control.

1220 -1250hours **The Future of metabolic medicine**

Dr Simon Jones Consultant in Paediatric Inherited Metabolic Disease,
Genetic Medicine Unit, Saint Mary's Hospital

Aims/Learning Objectives: Why metabolic disorders may be treatable. Approaches to treatment of metabolic disorders and the challenges of developing treatments for previously untreatable disorders.

1250-1340 hours **Lunch**

PM - Workshops

2 Streams of Rotational Workshops – 2 Sessions for each stream over the course of the afternoon

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PM – Workshops

	Stream A	OR	Stream B
1340-1440 hours	<p>Management of the child with newly diagnosed Type 1 diabetes Dr Mark Bone Consultant Paediatrician – Diabetes RMCH Judith Campbell - Advanced Practitioner Aims/Learning Objectives: Receive key points in the management of children with newly diagnosed Type 1 diabetes, detailing protocols and promoting case discussion.</p>		<p>Management of the Known Metabolic Patient with an intercurrent illness Fiona White - Chief Metabolic Dietician , RMCH Aims / learning Objectives - through presentation and discussion of some case based scenarios to illustrate the essential management of the metabolic child with a disorder of intermediary metabolism presenting with an intercurrent illness. To highlight the crucial role for nutrition in these patients in the prevention of catabolism and metabolic decompensation.</p>
1440-1540 hours	<p>Management of Children with Hyperinsulinaemia Lindsey Rigby – CHI Nursing Practitioner RMCH Aims/Learning Objectives: The session aims to triage hypoglycaemia patients and offers advice on investigations to be done and at what stage of the pathway investigations are necessary.</p>		<p>Haemofiltration in the child with a metabolic disorder Dr Steve Playfor Consultant Paediatric Intensivist and Dr. Nick Plant Consultant Paediatric Nephrologist RMCH Aims/Learning Objectives: Overview of the indications for haemofiltration in a variety of metabolic diseases, its practical use, subtypes, benefits, and complications.</p>
1540-1630 hours	DEBATE		
	“Solid Organ Transplantation in Metabolic Patients: Is it the way Forward?”		
1545-1630 hours	<p>PRO: Dr Jonathon Hind</p> <p>Aims/Learning Objectives: Provide the pro side of the debate in to ‘Solid Organ Transplantation in Metabolic Patients: Is it the way forward?’</p> <p>Consultant Paediatric Hepatology, Intestinal Rehabilitation and Transplantation, King’s College Hospital</p>		<p>CON: Dr Simon Jones</p> <p>Aims/Learning Objectives: Provide the converse side of the debate in to ‘Solid Organ Transplantation in Metabolic Patients: Is it the way forward?’</p> <p>Consultant in Paediatric Inherited Metabolic Disease Genetic Medicine Unit, Saint Mary’s Hospital</p>
1630 hours	Closure / Any Questions?		

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