

**TOPIC: A-23 DIABETES AND ENDOCRINOLOGY**

**OVERALL OBJECTIVE:** To be able to assess and initiate management of patients presenting with diabetic and the other common endocrinology emergencies. To understand the pathophysiology.

**OBJECTIVES:**

- recognition of the life threatening complications of inborn errors of metabolism e.g. presenting as coma, hypoglycaemia
- be able to measure children accurately and assess their growth using appropriate growth charts

PROBLEM	KNOWLEDGE	SKILLS/ATTITUDES	LEARNING	ASSESSMENT
1. Diabetic ketoacidosis	<p>To be able to make the diagnosis and recognise the precipitating causes and undertake appropriate investigations.</p> <p>To be aware of protocols for the management of diabetic ketoacidosis.</p>	<p><u>Skills</u></p> <p>To be able to prescribe fluids, insulin and potassium appropriately.</p> <p><u>Attitudes</u></p> <p>To be meticulous and conscientious reviewing and testing these patients regularly.</p>	<p>LP LT GT PS ODA ODB</p>	<p>OC CBD AUD ME FFAEM MFAEM</p>
2. Non-ketotic hyperosmolar coma.	<p>To be able to make the diagnosis and identify precipitating causes.</p>	<p>To prescribed fluids, insulin and potassium appropriately.</p>	<p>LP LT GT PS ODA</p>	<p>OC CBD AUD ME FFAEM MFAEM</p>
3. Hypoglycaemia	<p>Clinical features and precipitating causes.</p>	<p>To be able to measure blood</p>	<p>LP</p>	<p>OC</p>

		glucose at the bedside. To be able to rapidly administer glucose and Glucagon.	LT GT PS	ME FFAEM MFAEM
4. Acute adreno cortical insufficiency.	To be able to identify the types and causes of insufficiency and to be able to recognise an adrenal crisis.	To be able to manage the emergency, initiate appropriate investigations and treatment.	LP LT GT PS ODA	OC CBD ME FFAEM MFAEM
5. Other topics	Thyroid storm* Hypothyroid crisis* Phaemo-chromocytoma* Pituitary failure* Diabetes Insipidus* Complications of long-standing diabetes		LP LT GT PS ODA	OC ME FFAEM MFAEM

<b>PROBLEM</b>	<b>KNOWLEDGE</b>	<b>SKILLS/ATTITUDES</b>	<b>LEARNING</b>	<b>ASSESSMENT</b>
Diabetic ketoacidosis	understand local and national guidelines for the management of diabetic ketoacidosis, including the principles of fluid management and insulin therapies	<p>be able to formulate a likely diagnosis and recognise features of the presentation and complications</p> <p>be able to recognise features of cerebral oedema and be able to provide emergency treatment</p> <p>be able to perform appropriate investigations and act on the results</p> <p>be able to prescribe fluid, electrolyte and insulin therapy according to local guidelines</p>	<p>LP</p> <p>LT</p> <p>GT</p> <p>PS</p> <p>ODA</p> <p>ODB</p>	<p>OC</p> <p>CBD</p> <p>AUD</p> <p>ME</p> <p>FFAEM</p> <p>MFAEM</p>