

CORE KNOWLEDGE AND CORE PROCEDURAL SKILLS FOR SPECIALISTS
IN CHEMICAL PATHOLOGY WITH A SUB-SPECIALTY IN METABOLIC
MEDICINE

	Competency in	Specific areas
1	General Chemical Pathology	<ul style="list-style-type: none"> • Interpretation and authorisation/validation of biochemistry results • Where appropriate, ability to give sound advice to clinicians on further investigations to be done based on the biochemistry results
2	Endocrinology and Metabolic Medicine	<ul style="list-style-type: none"> • Interpretation and authorisation/validation of endocrine and dynamic function test results. • Where appropriate, ability to give sound advice to clinicians on further investigations to be done in the field of endocrinology and metabolic medicine. • Should have a sound knowledge of all of the areas listed below, and to be competent in the clinical management of both in-patients and out-patients in one or more of the following areas: <ul style="list-style-type: none"> ➤ Diabetes mellitus and endocrinology ➤ Disorders of lipid metabolism ➤ Adult inborn errors of metabolism ➤ Disorders of bone and calcium metabolism ➤ Renal stone disease ➤ Nutrition and management of obesity
3	Protein biochemistry	<ul style="list-style-type: none"> • Interpretation and authorisation/validation of serum and urine protein electrophoresis • Interpretation and authorisation/validation of specific proteins.
4	Toxicology/Therapeutic Drug Monitoring	<ul style="list-style-type: none"> • Interpretation and authorisation/validation of levels of drugs e.g. lithium, digoxin, phenytoin, salicylate, paracetamol. • Able to give correct advice on the appropriate timings of taking blood samples for the various drugs.
5	Clinical Training	<ul style="list-style-type: none"> • For candidates credentialled in Chemical Pathology (Metabolic Medicine) in the UK the clinical training requirements of the Royal College of Pathologists have been specified. • For candidates who are trained in countries other than the UK the candidate needs to have spent at least three months in clinical training under the supervision of a credentialled specialist in Metabolic Medicine and/or Endocrinology in

		<p>each of the following areas and to have more specialised in one or more of the areas below:</p> <ul style="list-style-type: none"> ➤ Diabetes mellitus and endocrinology ➤ Disorders of lipid metabolism ➤ Adult inborn errors of metabolism ➤ Disorders of bone and calcium metabolism ➤ Renal stone disease ➤ Nutrition and management of obesity
6	Core procedural skill	<ul style="list-style-type: none"> • FNAC of thyroid nodules • Able to perform dynamic endocrine function testing on both in-patients and out-patients, e.g. Oral Glucose Tolerance Test, Insulin Stress Test, C-Peptide Suppression Test, Synacthen tests, etc.
7	Quality Management	<ul style="list-style-type: none"> • Management of chemical pathology laboratories including the selection of new analysers. • Internal and external quality assurance • Audit & Accreditation • Health and Safety • Continuing Professional Development