



SURGICAL SCIENCES EXAMINATION IN UROLOGY

Note – this reading list applies to candidates sitting the SSE (Urology) from October 2016 onwards.

RATIONALE

This examination will test for knowledge of the basic sciences that underlies urologic surgery and practice. General anatomy, physiology and pathology have been tested previously in the Generic Surgical Science Examination and advanced understanding of urologic management will be tested in the Fellowship Examination. Urology trainees at the level of nSET2/SET3-SET4 will be expected to know the anatomy, physiology and pathology relevant to urology and how this applies to urology practice.

SYLLABUS

The following texts are recommended only. Candidates should not confine their reading to these sources and are encouraged to read widely. Candidates are expected to apply knowledge from reading and clinical experience.

TEXTBOOKS

- Wein: Campbell-Walsh Urology (Kavoussi, Novick, Partin and Peters), 11th edition
 - Chapters 1 – Evaluation of the Urologic Patient: History, Physical Examination, and Urinalysis
 - Chapter 2 – Urinary Tract Imaging: Basic Principles of Computed Tomography, Magnetic Resonance Imaging and Plain Film
 - Chapter 3 – Urinary Tract Imaging: Basic Principles of Urologic Ultrasonography
 - Chapter 21 – Surgical, Radiographic, and Endoscopic Anatomy of the Male Reproductive System
 - Chapter 33 - Surgical, Radiographic, and Endoscopic Anatomy of the Retroperitoneum
 - Chapter 42 – Surgical, Radiographic, and Endoscopic Anatomy of the Kidney and Ureter
 - Chapter 64 – Surgical and Radiologic Anatomy of the Adrenals
 - Chapter 67 – Surgical, Radiographic, and Endoscopic Anatomy of the Female Pelvis
 - Chapter 68 - Surgical, Radiographic, and Endoscopic Anatomy of the Male Pelvis
 - Chapter 122 – Embryology of the Genitourinary Tract
- Ganong's Review of Medical Physiology (Barrett, Boitano, Barman and Brooks), 25th edition
 - Chapter 13 – Autonomic Nervous System
 - Chapter 17 – Hypothalamic Regulation of Hormonal Function
 - Chapter 18 - The Pituitary Gland.
 - Chapter 20 – The Adrenal Medulla & Adrenal Cortex
 - Chapter 21 – Hormonal Control of Calcium & Phosphate Metabolism & The Physiology of Bone
 - Chapter 22 – Reproductive Development & Function of the Female Reproductive System
 - Chapter 23 – Function of the Male Reproductive System
 - Chapter 37 - Renal Function & Micturition
 - Chapter 38 – Regulation of Extracellular Fluid Composition & Volume
 - Chapter 39 – Acidification of the Urine & Bicarbonate Excretion



- Last's Anatomy Regional and Applied (McMinn), 9th edition
 - Chapter 1 – Introduction to Regional Anatomy
 - Chapter 5 – Abdomen

- Robbins and Cotran Pathologic Basis of Disease (Kumar, Abbas and Aster), 9th edition
 - Chapter 1 – The Cell as a Unit of Health and Disease
 - Chapter 2 – Cellular Responses to Stress and Toxic Insults: Adaptation, Injury, and Death
 - Chapter 3 – Inflammation and Repair
 - Chapter 4 – Hemodynamic Disorders, Thromboembolic Disease, and Shock
 - Chapter 5 – Genetic Disorders
 - Chapter 6 – Diseases of the Immune System
 - Chapter 7 – Neoplasia
 - Chapter 8 – Infectious Diseases
 - Chapter 9 – Environmental and Nutritional Diseases
 - Chapter 10 – Diseases of Infancy and Childhood
 - Chapter 20 – The Kidney
 - Chapter 21 – The Lower Urinary Tract and Male Genital System

- Smith and Tanagho's General Urology (McAninch and Lue), 18th edition