



THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain
Reg No 1955/000003/08

Final Examination for the Fellowship of the
College of Urologists of South Africa

27 February 2020

Paper 1

(3 hours)

All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

- 1 Write short notes on antenatal hydronephrosis found on ultrasonography for foetal assessment, under the following headlines
 - a) Key points in assessment of the foetal renal tract. (20)
 - b) Foetal urine production and oligohydramnios. (20)
 - c) Causes of foetal pelvis dilatation. (20)
 - d) Urological management of renal dilatation before birth. (20)
 - e) Timing of imaging after birth. (20)[100]

- 2
 - a) Discuss targeted prostate biopsy and multiparametric MRI (Magnetic Resonance Imaging) in diagnosis, treatment and follow up of prostate cancer. (50)
 - b) Discuss the pathogenesis of– Squamous cell carcinoma of the penis in relation to HPV infection. (25)
 - c) Discuss the pathogenesis of– Transitional Cell carcinoma of the bladder in relation to smoking. (25)[100]

- 3
 - a) Discuss the anatomy and embryological development of the prostate gland. (25)
 - b) Discuss the role of angioembolisation of the prostate. (25)
 - c) Discuss the role of emerging techniques to treat benign prostatic hypertrophy, include the sub-headings Stenting, Rezum, HOLEP laser. (25)
 - d) Discuss your approach to dealing with TURP Syndrome (trans urethral resection prostate). (25)[100]



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Paper 2

(3 hours)

All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)

- 1 Regarding a 52-year-old man with bilateral renal tumours
 - a) Outline the pathophysiology of Von-Hippel-Lindau Disease, and explain how it contributes to the development of renal tumours. (30)
 - b) Describe the clinical and radiological features of Von-Hippel-Lindau Disease. (20)
 - c) Discuss considerations prior to undertaking surgery for a patient with bilateral renal tumours. (25)[75]

- 2 In a patient with metastatic prostate cancer and a rising PSA on leuprolide and bicalutamide
 - a) Define castrate resistant prostate cancer. (5)
 - b) With reference to applicable clinical trials, explain the rationale behind early chemotherapy in patients with metastatic prostate cancer. (25)
 - c) Explain the mechanism of action of enzalutamide. (25)
 - d) Tabulate important differences between enzalutamide and abiraterone acetate with reference to deciding which drug to prescribe. (20)[75]

- 3
 - a) Write short notes on Diabetes Mellitus and the urological patient. (15)
 - b) Discuss the use of BCG in the treatment of superficial transitional cell carcinoma of the bladder. (20)
 - c) Discuss the clinical findings in the urogenital system in a patient with balanitis xerotica obliterans. (20)
 - d) List the renal and extra-renal manifestations in a patient with polycystic kidney disease. (list only). (20)[75]

- 4 A 26-year-old female patient complains of recurrent urinary tract infections. She has no known comorbid conditions and is currently completely stable. She has responded to antibiotics prescribed by her primary healthcare facility
 - a) Discuss your approach to a patient with recurrent urinary tract infections. (25)
In this case, a sonar was performed and revealed hydronephrosis of the upper pole of the right kidney. CT confirmed a complete duplex system of the right kidney.
 - b) Discuss the embryology, pathology and management of a duplex collecting system. (25)
 - c) Write short notes on contrast induced nephropathy in the urological patient. (25)[75]