Sample 1

You are asked for advice concerning a 17 year old girl who has recently suffered her first episode of uncomplicated cystitis. Her symptoms responded to a short course of trimethoprim and a pre-treatment urine specimen confirmed a significant growth of E-coli. Her general practitioner is concerned about the need for renal imaging.

Which one of the following is most appropriate?

A A micturating cystogram
B A ^{99m}Tc-DMSA renal scan
C An intravenous urogram
D No imaging is required
E Urinary tract ultrasound

Sample 2

During an uncomplicated pregnancy, biochemical and physiological changes occur in the renal tract. Which one of the following is reduced during pregnancy?

A GFR
B Plasma clearance
C Creatinine clearance
D Renal blood flow
E Serum creatinine

Sample 3

In renal transplantation, combinations of drugs are used for immunosuppression. Which one of the following drug acts by inhibiting the enzymatic function of calcineurin?

A Azathioprine
B Basiliximab
C Cyclosporin
D Mycophenolate mofetil
E Sirolomus

Sample 4

You are called to the vascular surgical theatre where the right ureter has been cleanly transacted at the level of L4 during an aortic aneurysm repair. The pre-operative CT scan showed no renal abnormality.

Which one of the following is the most appropriate course of action?

A End-to-end anastomosis over a ureteric stent
B Interposition of a short tubularised ileal segment
C Placement of a ureteric stent alone
D Reimplantation of the proximal segment into a Boari flap
E Right to left transuretero-ureterostomy

Sample 5

Which one of the following agents has been shown to improve overall survival in men with hormone relapsed prostate cancer when used in combination with prednisolone?

A Carboplatin
B Docetaxel
C Etoposide
D Gemcitabine
E Mitoxantrone