

SURGICAL SCIENCE (UROLOGY) EXAMINATION SAMPLE QUESTIONS

Type A

One correct answer

With respect to prostate cancer, the following statements are true except

- A. 30-40% of men with clinically localised prostate cancer show evidence of an increasing PSA within 10 years of initial treatment
- B. Increased age is a risk factor for prostate cancer diagnosis
- C. Age is a significant prognostic factor in terms of aggressiveness of prostate cancer
- D. A man whose father has prostate cancer is twice as likely to develop prostate cancer than a man with no family history
- E. Over the last decade, prostate cancer mortality has decreased in Australia and New Zealand

A 24 year old man falls from a horse and sustains a “complete” C6 spinal cord injury. He displays the signs of spinal shock. Which one of these signs is typically seen in spinal shock?

- A. Hypertension
- B. Increased tendon reflexes
- C. Bladder spasticity
- D. Overflow urinary incontinence
- E. Painful urinary retention

Type B

Statement/Reason

STATEMENT: A horseshoe kidney is located lower in the abdomen than normal kidneys

REASON: During development renal ascent is prevented by the superior mesenteric artery

- A. S is true, R is true and a valid explanation of S
- B. S is true, R is true but not a valid explanation of S
- C. S is true and R is false
- D. S is false and R is true
- E. Both S and R are false

Type X

True/False

During a flank approach for open nephrectomy, it is important to bear in mind

- The pleural reflection crosses the 10th rib at the mid-clavicular line
- The pleural reflection crosses the 12th rib at the mid-axillary line
- The intercostal neurovascular bundles are located deep to the inferior borders of the ribs

- The intercostal neurovascular bundles lie between the external oblique and internal oblique muscles

Which of the following statements about intravenous gentamicin therapy are true?

- A single daily dose is associated with less nephrotoxicity
- Peak levels are more important than trough levels
- Gentamicin may demonstrate synergy with penicillin
- The initial loading dose of gentamicin should be reduced in patients with renal impairment

A 63 year old man with bladder outflow obstruction from benign prostatic hyperplasia undergoes urodynamics. Which of the following would be likely findings?

- High voiding pressures
- Reduced bladder capacity
- Reduced flow rate
- High residual volume