

Sample Written Exam – Urology

Question 1

The von Hippel-Lindau (*VHL*) gene mutation is MOST commonly found in:

- Type 1 papillary renal cell carcinoma
- Type 2 papillary renal cell carcinoma
- *Sporadic non-inherited clear cell renal cell carcinoma (CORRECT ANSWER)**
- Chromophobe renal cell carcinoma

Question 2

Three years after placement of an artificial urinary sphincter (AUS) post prostatectomy and adjuvant radiotherapy, a 67-year-old man presents with urosepsis, a large scrotal abscess, and urethral cuff erosion. The cuff is removed, the urethra repaired, and a catheter is left in place for 3 weeks. Repeat evaluation 6 months later includes a normal urethroscopy, and a 3 pad per day bothersome stress urinary incontinence. What is the MOST appropriate management?

- Cunningham clamp
- Male sling
- Bladder neck injection with bulking agent
- *Transcorporeal placement of a new AUS. (CORRECT ANSWER)**

Question 3

What is the mechanism of action of trimethoprim?

- Inhibition of dihydropteroate synthetase
- *Competitive inhibition of dihydrofolate reductase (CORRECT ANSWER)**
- Inhibition of cell wall synthesis
- Disruption of protein synthesis

Question 4

The acute phase (i.e. the first 1-2 hours) of unilateral ureteral obstruction is initially characterized by:

- *Increased renal blood flow (CORRECT ANSWER)**
- Increased glomerular filtration rate (GFR)
- Increased afferent arteriole resistance
- Increased tubuloglomerular feedback



Question 5

During laparoscopic left adrenalectomy for a 3-cm adrenal mass, troublesome bleeding is encountered during dissection along the medial margin of the gland. What is the MOST likely source of bleeding?

- a. Lumbar vein
- b. Inferior vena cava
- c. ***Inferior phrenic vein (CORRECT ANSWER)**
- d. Splenic vein