Aswan University
Faculty of Medicine
Dep. of medical Physiology
Sunday, 23/8/2020

M.S Program "Urology" Final Physiology Exam. Time allowed: 60 minutes Total Marks: 33.5 marks

Answer the following questions:

1. A 30-year-old male presented with a two-week history of right flank pain that spreads to his groin. He underwent abdomen ultrasound which revealed a polycystic kidney and a renal stone. His blood pressure was 180/120 mm Hg:

a- Mention the mechanism responsible for of pain?

(05 marks)

b- Explain why renal pain spreads to the groin?

(05 marks)

c- Describe the relation between the kidney and arterial blood pressure?

(05 marks)

2- State how the renal tubules concentrate the urine?

(10 marks)

3- Give short account on the long term compensatory reactions to hemorrhage?

(8.5marks)

Prof. Mahmoud Raafat & Examination committee