1. Describe the embryogenesis of ectopic ureters. Discuss the clinical presentation and management of bilateral ectopic ureters. 4+6

2. Enumerate the list of conditions with penile deficiency. Briefly describe phalloplasty. 4+6

3. Describe the diagnosis, medical and surgical management of hyperinsulinemic hypoglycemia of infancy. 4+3+3

4. Describe the various types of cloacae anomalies. Outline the principles of management of common cloaca. 5+5

5. Describe foetal circulation and its subsequent changes after birth. 5+5

6. What are the prognostic factors of posterior urethral valves? Outline the management of a newborn baby with posterior urethral valves. 5+5

7. What is the principle of PET scan? Enumerate the applications and diagnostic pitfalls of PET scan in children. 4+(3+3)

8. Describe the clinical significance of various urodynamic parameters. Outline the diagnosis and management of neurogenic bladder in children. 4+6

9. What are the various clinical presentations of spina bifida occulta? Outline the principles of surgical procedure for spina bifida occulta. 5+5

10. Describe the different options for perioperative pain management in children. 10

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