

Doctorate in Pediatric Surgery

(According to Postgraduate Bylaws 2013)

Case Presentation (October 2021)

Date: 13-11-2021

Time : 1.5 hours

200 Marks

A 5 months old boy was born with an antenatal history of dilated upper Urinary tracts detected at the end of gestation. He is otherwise fit and healthy. A postnatal ultrasound scan and a cystography were performed at 2 days of life. This confirmed a bilateral marked pelvi ureteral dilatation and slightly echogenic parenchymas on both sides. The cystography showed a massive vesicoureteric reflux on both sides, no urethral valves, and a normal-looking bladder.

A DMSA scan performed 6 weeks afterbirth showed bilaterally damaged kidneys with a 38% relative function to the left and 62% to the right kidney. He was put on prophylactic antibiotics, and he improved until 3 days ago when he developed a febrile attack at age of 6 months.

- 1-What is your work up for such case? (30 marks)
- 2-Would you screen his two brothers and his sister for the same pathology (30 marks)

Three months later, he presented with another febrile UTI attack.

- 3- What is the DD of such condition and how to confirm it? (40 marks)
- He is now 24 months and doing quite well.
- 4-what are the investigations required at this age for him? (30 marks)
- 5-Describe the plan of management with follow up including different treatment modalities? (50 marks)
- 6-How would you follow up this child? (20 marks)

Good luck
