Surg 2003; 08: 164-8.

3. Agarwal SK, Fisk NM. In utero therapy for lower urinary tract obstruction : Prenatal diagnosis does it alter outcome? Prenatal Diagnosis 2001; 21:1004-11.
4. Nicolini U, Fisk NM, Rodeck CH, Basehan J. Fetal urine biochemistry: an index renal maturation and dysfunction. Br J Obstet Gynaecol 1992; 99:46-50.
5. Quintero RA, Hume R, Smith C, Johnson MP, Cotton DB, Romero R. Percutaneous fetal cystoscopy and endoscopic fulguration of posterior urethral valves. Am J Obstet Gynecol 1995; 172:206-9.
6. Freedman AL, Johnson MP, Smith CA, Gonzalez R, Evans MI. Long term outcome in children after antenatal intervention for obstructive uropathies. Lancet 1999; 354: 374-7.
7. Holmes N, Harrison MR, Baskin LS. Fetal surgery for posterior urethral valves: Long term postnatal outcomes. Pediatrics 2001; 108: E7.
8. McLorie G, Farhat W, Khoury A, Geary D, Ryan G. Outcome analysis of vesicoamniotic shunting in a comprehensive population. J Urol 2001; 166: 1036-40.
9. Rajab A, Freeman NV, Patton M. The frequency of posterior urethral valves in Oman. Br J Urol 1996; 77:900-4.

Quiz

Radiological Quiz

Lt Col U Rajesh*

MJAFI 2010; 66 : 169

A 31 year old male presented with complaints of recurrent pain in the right side of abdomen. Pain was colicky, intermittent and used to radiate to the right testis. Physical examination revealed no abnormal findings. Haematological and biochemical parameters were normal and showed preserved renal functions. Urine analysis was also within normal limits.

Patient was taken up for ultrasonography (USG) of the kidney, ureter and bladder region. The right kidney measured 119 x 54 mm and showed mild dilatation of

the pelvi-calyceal system (Fig. 1). The right kidney showed normal cortical echotexture and preserved cortico-medullary differentiation. Right proximal ureter was also dilated. No obvious calculus could be seen in the right kidney or the dilated right ureter. Left kidney, left ureter and the urinary bladder were within normal limits.

Patient underwent intravenous urography the next day. Fig. 2 shows 30 minute supine intravenous urogram.

What is your diagnosis?

Fig. 1 : Sagittal sonogram of the right kidney. Right kidney measures 119 x 54 mm and shows mild dilatation of the pelvi-calyceal system. The echotexture of the right kidney is normal and the cortico-medullary differentiation is maintained. No calculus is seen in the right kidney.

Fig. 2 : 30 min supine intravenous urogram shows mild dilatation of the right pelvi-calyceal system. The right proximal ureter, till the level of fourth lumbar vertebra, is also dilated. Medial deviation of the right ureter is seen at the level of L4. Distal one-third of right ureter is normal in course, contour and caliber.

Answer to Radiological Quiz : pg. 182

*Graded Specialist (Radiodiagnosis), 150 GH, C/o 56 APO, PIN-900 129.

Received : 19.10.07; Accepted : 30.09.09 E-mail : uddandamrajesh@yahoo.com