Pelvic Lipomatosis

By Sikander Ali Khan, MD [2]

Clinical History: A 44-yr-old male patient with a case of chronic renal failure was referred to for CT scan of the abdomen and cystogram. On examination, the clinician found a mass in the pelvis. Figure 1: Axial Images showing excessive fat deposition in pelvis around urinary bladder and pelvis causing external compression.
Figure 2: Axial post contrast Images showing excessive fat deposition in pelvis around urinary bladder and pelvis causing external compression.
Figure 5

Figures 3, 4, 5: Image from Cystogram shows bilateral compression of the urinary bladder. There is increased lucency in the pelvis from excess fat deposition displacing the small bowel loops superiorly. Imaging Findings: Contrast CT scan: Excessive deposition of fat is seen in pelvis on CT scan. Elongated elevated urinary bladder is seen. The rectum is elongated and compressed externally. On Cystogram: Elongated elevated urinary bladder is seen (Pear-shaped bladder). Ureteric Reflux is seen on left side. Diagnosis: Pelvic lipomatosis Discussion: Rare non-malignant disease characterized by an excess deposition of fat in the pelvis surrounding the bladder and rectum. Cause is not known. Differential Diagnosis: • Hypertrophy of the iliopsoas muscles • Retroperitoneal fibrosis. • Pelvic abscess • Pelvic hematoma Treatment: Symptomatic treatment; Rarely, surgical diversion of the urinary tract for severe obstructive symptoms. Complications: 1-Urteral Obstruction 2-IVC obstruction.

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