Case 4667

DISPLACEMENT OF PERITONEAL DIALYSIS CATHETER INTO AN INGUINAL HERNIA
Published on 09.04.2006

DOI: 10.1594/EURORAD/CASE.4667
ISSN: 1563-4086
Section: Abdominal imaging
Case Type: Clinical Cases
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Patient: 73 years, male

Clinical History:
The patient is a 73- year-old man, affected by chronic renal failure with multifactorial etiology (glomerulonephritis, hypertension for about 20 years, diabetes mellitus) treated with hemodialysis and then peritoneal dialysis, and with left inguinal hernia.

Imaging Findings:
Because of the recurrent hernia a surgery was planned and so a plain abdominal radiograph was performed to check the position of the peritoneal dialysis catheter.

Discussion:
Usually the tip of the catheter is placed into the rectovesical pouch in men and Douglas pouch in women. Peritoneal catheters often become dislocated and this may lead to malfunction. The most frequent incorrect positions reported concern the catheters located in the anterior abdominal wall and retroperitoneally within the true pelvis. The displacement into an inguinal hernia is a very rare complication, we could find just one case like ours.

Differential Diagnosis List: Catheter displacement in the hernial sac.

Final Diagnosis: Catheter displacement in the hernial sac.

References:
Francis RS, D'Souza P, D'Souza RJ, Beaman M, hamad S. An unusual cause of peritoneal dialysate drainage failure Inadvertent placement of Tenckhoff peritoneal dialysis catheter into an occult inguinal hernia. Perit Dial Int. 2004; 24: 405-6. (PMID: 15335158)
Description: Anterior Posterior abdominal radiograph Origin:
Figure 2

Description: Anterior Posterior abdominal radiograph

Origin:
Description: Lateral abdominal radiograph

Origin: