**Surgery and Transplantation**  
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*Scrotal abscess as a rare complication of perforated appendicitis in patient with patent processus vaginalis: A case report*  
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**CASE REPORT**

**Background:**  
Abscess formation following appendectomy for perforated appendicitis is well known, it commonly occurs in potential spaces of the peritoneal cavity, such as pelvis, subphrenic and subhepatic spaces. Drainage is the ultimate treatment. Scrotum as an extension of the peritoneal cavity via patent processus vaginalis is very rarely considered as a site of abscess formation following appendectomy.

**Case summary:**  
A 15 year old boy, not known to have any medical problems presented with three days history of right lower quadrant pain, repeated vomiting and fever. Abdominal examination showed tender rebound right iliac fossa, temperature was 38.2, with elevated white cell count. He was diagnosed as acute appendicitis, an open appendectomy done for perforated appendicitis. There was moderate amount of peritoneal reaction noted during the operation, mopping was done till clean before closing up. Postoperatively, antibiotics was started and the patient was gradually improving, except for a hectic high grade fever. On the third post-op day, patient developed redness, swelling and pain in his right hemiscrotum with indurated erythematous area along the right inguinal region. Doppler US examination revealed a normal testis with turbid fluid-filled right scrotum. The fluid could not be aspirated under ultrasound guidance due to thick nature. Scrotal abscess incised and drained, a patent processus vaginalis discovered and ligated. Antibiotics was continued and adjusted according to culture. The patient made uneventful recovery.

**Conclusion:**  
Patients with patent processus vaginalis at initial presentation of peritonitis due to perforated appendicitis must be carefully followed in the postoperative period, if scrotal pain and swelling becomes manifest, scrotal abscess should be suspected and managed accordingly as early as possible. We present this case as a rare complication of perforated appendicitis.

**Key words:** Scrotal Abscess, Processus Vaginalis, Appendectomy.

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