Imperforate Hymen: A Rare Cause of abdominal pain

Cihan Bedel¹, Ural Koç³, Aslı Hatice Bedel², Önder Tomruk¹, Tuna Parpar³, Sefa Türkoğlu³, Erkan Duman¹, İsa Gökhan Yalçın¹
¹Suleyman Demirel University Faculty of Medicine, Emergency Department, Isparta, Turkey
²Akdeniz University Faculty of Medicine, Pharmacology Department, Antalya, Turkey
³Suleyman Demirel University Faculty of Medicine, Radiology Department, Isparta, Turkey

OBJECTIVES: Imperforate hymen is an uncommon obstructive anomaly of the female reproductive tract. Although it is usually sporadic, familial cases have been reported. The patient usually presents with intermittent abdominal pain. Acute urinary retention is a rare symptom. It is rarely diagnosed in the neonatal period, and most cases occur in the adolescent period. Pelvic ultrasonography is the essential initial diagnostic radiological modality to confirm the diagnosis. We report a 5-year-old girl who presented main complaint of abdominal pain diagnosed by ultrasonography and computed tomography due to imperforate hymen.

CASE: A 5-year-old girl presented to our emergency department with intermittent abdominal pain in the lower abdomen. She has an anaeusa, vomiting and fever. She had no menarche. On physical examination, she has bilateral lower quadrant tenderness. Leukocytes 17,200 / pl, platelets: 442 000/pl., CRP 79 g / dl, blood glucose 115 mg / dl, TIT: normal. Pelvic ultrasonography revealed dilated vagina with dense fluid suggestive of hematocolpos. There was no concomitant urogenital abnormalities on US. She was taken to the operating room and incisional hymenectomy was performed. Postoperative US of the pelvis showed resolution of hematocolpos. She was discharged from the hospital on the following day.

Keywords: Imperforate hymen, Hematocolpos, emergency medicine