**Summary**

Bladder exstrophy is a rare congenital anomaly resulting from failure of fusion of the middle of the pelvis line tissues during embryogenesis. It is characterized by malformation of the lower abdominal wall involving the genitourinary tract and the musculoskeletal system. Its incidence is estimated at 1:30,000 to 1:50,000 live births, and it is 2 or 3 times more frequent in males. The child’s age is important and the best results are obtained when treatment is performed shortly after birth.

**Keyword:** bladder exstrophy.

**Case**

Male patient, aged eight months, referred with clinical diagnosis of bladder exstrophy for assessment of any associated anorectal and skeletal anomalies. According to the caregiver, this was a term birth with prenatal examinations performed uneventfully, and diagnosis made based on morphological routine ultrasound (US) during pregnancy.

**Discussion**

Bladder exstrophy is a rare congenital anomaly resulting from failure of fusion of the middle of the pelvis line tissues during embryogenesis. It is characterized by malformation of the lower abdominal wall involving the genitourinary tract and the musculoskeletal system.

Its incidence is estimated at 1:30,000 to 1:50,000 live births, and it is two or three times more frequent in males. In the classic bladder exstrophy, the anterior wall of the back of the bladder is exposed, and changes such as epispadias, dysplasia of the pelvic floor muscles, short penis or clitoris bifurcated are part of the clinical picture.

The child’s age is important and the best results are obtained when treatment is performed shortly after birth. Most pathological changes can be prevented by early closure of bladder exstrophy.

Pubic diastasis (Figures 1 and 2) is the stigma of exstrophy-epispadias complex malformations; it is narrower in epispadias and wider in the bladder and cloacal exstrophy and is always associated with lateral rotation of the femur and acetabulum. The defect of the abdominal wall that remains after closure of the bladder is triangul-
lar, and is limited laterally by the rectus abdominis muscle and inferiorly by the inter-symphyseal band, where the external urethral sphincter is inserted. The perineal floor is compromised by the malformation, which explains the recurring rectal prolapse. The anus is more anterior compared to its original position in both sexes.

Boys present epispadias, short phallus, wide at its base and with upward (dorsal) curvature. The urethra is represented by exposed dorsal mucosa. Penis size is variable, but is often small, imposing serious difficulties in obtaining adequate phallus even after reconstruction. The scrotum is split and the testicles are usually palpable (Figure 3). Cryptorchidism is rarely associated anomaly, and most commonly the testicles are located in the external inguinal ring and can be descended into the testicular pouch. Inguinal hernia, probably related to the fragility of the side of the abdomen, is common.

Typically, girls have bifid clitoris; the internal genitalia is normal, and vaginal and uterine abnormalities may occur. The urethra is also epispadic and extremely short.

Differential diagnosis includes diseases that occur with defect of the anterior abdominal wall, such as omphalocele, gastroschisis and cloacal extrophy.

**Resumo**

Extrofia vesical

A extrofia de bexiga é uma anomalia congênita rara decorrente de falha da fusão dos tecidos da linha média da pelve durante a embriogênese e caracteriza-se por má-formação da região inferior da parede abdominal, envolvendo o trato geniturinário e o sistema musculoesquelético. Apresenta incidência estimada de 1:30.000 a 1:50.000 nascidos vivos, sendo 2 a 3 vezes mais frequente no sexo masculino. A idade da criança é importante e os melhores resultados são obtidos quando o tratamento é realizado logo após o nascimento.

**Palavra-chave:** extrofia vesical.

**Referências**