

(EP01.32): Opening of the urethra into the hematocolpos ultrasound imaging allows differentiation between hymenal imperforation and major labial adhesions (FAKIH sign)

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Hematocolpos is the accumulation of menstrual blood in the vagina due to obstruction and is associated with congenital anomalies as imperforate hymen, transverse vaginal septum, or vaginal agenesis

We report a new ultrasound sign (FAKIH Sign) , not described before to differentiate between hematocolpos caused by hymenal imperforation or by labial fusion

Case Report

This case report describes an unusual presentation of hematocolpos in a 31-year-old woman with trisomy 21.

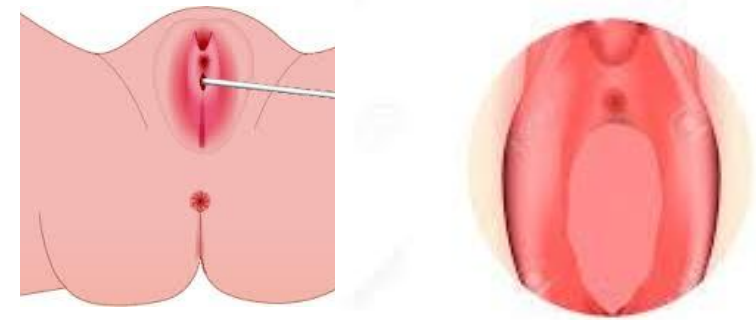
The patient declined a physical examination, so pelvic ultrasonography was performed showing significant vaginal distension with hyperechoic fluid collection compressing the bladder, consistent with hematocolpos.

A unique finding was the presence of a small urethral opening within the hematocolpos (Fig 1), which helped differentiate labial fusion from imperforate hymen.



Fig1: Ultrasound showing the urethra opening

The finding of a urethral opening within the vagina on ultrasonography highlights the value of ultrasound imaging in guiding diagnosis in differentiating between hematocolpos caused by hymenal imperforation or by labial fusion



Fakhri Sign