



### Quiz 1

A 12 years old adolescent girl came to the emergency room with severe pain. Her mother told that she did not urinate. ER doctor has been told that she had crampy pain for last 5 months and this pain continued 2-3 days, but this time the pain has not disappeared. Upper abdominal ultrasound revealed minimal hydronephrosis. A globe vesicalis was detected.



### Quiz 2

Ultrasonography revealed a cystic mass in deep midline pelvic area. The cyst content was heterogeneous. The mass beneath the bladder.



### Quiz 3

The aforementioned cyst was opened another structure with a small channel. The patient had severe crampy pain and felt pressure in the pelvis during the imaging and examination.

What is your diagnosis?

**Answer**



A cyclic pain every month points the beginning of the menarche. But the patient with hymen imperforatus could not see their periods. A complete hymenal structure blockade the flow of the menstrual blood. Every month during the menses, patients feel pain and pressure and its relieve in a couple of days.



Pelvic mass demonstrates hematocolpos. The accumulation of the bloods leads to this image.



The delayed diagnosis can cause hematometra. The arrow points the cervical canal. The accumulation of the bloods is in the uterus now.



Hymen imperforatus  
Before and right after the surgery  
(ps: A special circular incision was used for the correction)