

8th International Conference

GYNECOLOGY AND OBSTETRICS

April 27-28, 2023 | Amsterdam, The Netherlands

Submitted Date: 06-04-2023 | Accepted date: 07-04-2023 | Published date: 15-05-2023

Mullerian Duct Anomaly: A case report

Aysel Bayishova, J Gurbanova and E Gachabayov
Research Institute of Obstetrics and Gynecology, Azerbaijan

Background: Mullerian Duct Anomalies (MDAs) are congenital defects of the female genital system that arise from abnormal embryological development of the Mullerian Ducts. In embryology uterus, upper 2/3 of vagina and fallopian tubes derived from paired mullerian ducts. Crosby proposed fusion of the two Mullerian Ducts starts caudally in Muller's tubercle, proceeds cranially up to the fundus. Failure of ducts to develop leads to types of uterine, cervical or vaginal agenesis while incomplete fusion results in uterus didelphys. These congenital anomalies occur in 1-15% of women associated with renal anomalies especially agenesis or ectopia. A didelphys uterus, also known as a "Double Uterus," is one of the least common amongst MDAs.

Objectives: Woman 48 years old. History of 2 normal births and 1 abortion.

Complaints: irregular uterine bleeding lasting more than 2 months. During the studies, the patient was diagnosed with: "Didelphys uterus, Uterine fibroids, Right-sided hematosalpinx, Endometrial hyperplasia, Aplasia of the right kidney."

The diagnosis was confirmed by sonography, MRI, contrast CT, etc. The patient was scheduled for surgical treatment. Hysterectomy of both uterus was performed. During the operation, it was revealed: an abnormal arrangement of blood vessels, the presence of 2 cervix (the right one opens into the left cervical canal), ectocervix - 1 common, 2 fallopian tubes (hematosalpinx 112x67x65 in the right), 2 ovaries. The operation went without complications. The diagnosis was confirmed histologically.



Fig 1. MRI- of the right kidney

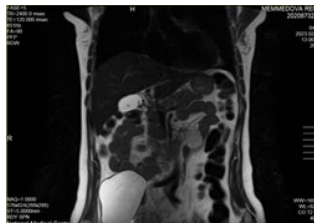


Fig 2. Right-sided hematosalpinx



Fig 3. Ectocervix

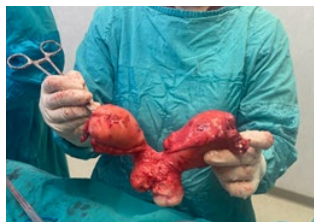


Fig 4. Didelphys uterus



Fig 5. Right-sided hematosalpinx

8th International Conference

GYNECOLOGY AND OBSTETRICS

April 27-28, 2023 | Amsterdam, The Netherlands

References

1. Folch M, I Pigem C, Konje JC (2000) Mullerian agenesis: Etiology, diagnosis, and management. *Obstetrical & Gynecological Survey*. 10: 644-649.
2. Muller P, Musst A, Sobal A, Winroud JC, Gillet JY (1967) Appareil urinaire chez les povteues de malformation uterines: Etude de 1333 Observation *Press Med* 10: 113-118.
3. Crosby WM, Hill EC (1929) Embryology of Mullerian duct system: A review day theory. *Obstet Gyn* 49: 799-805.

Biography

Aysel Bayishova is a highly qualified and experienced Obstetrician and Gynecologist, with extensive academic qualifications and medical work experience. She completed her graduation from Azerbaijan Medical University with an MD degree in 2011. With a keen interest in Obstetrics and Gynecology, she pursued a Ph.D. in this field, which she successfully completed in March 2019 at the Scientific-research Institute of Obstetrics and Gynecology. Her thesis title was "Using of Stem Cells to Improve implantation processes." She has gained a wide range of medical work experience over the years, which has helped to shape her expertise and knowledge.

aysel-87@bk.ru