

# A CASE REPORT OF COMPLETE SEPTATE UTERUS WITH LONGITUDINAL VAGINAL SEPTUM: A RARE CONGENITAL ANOMALY

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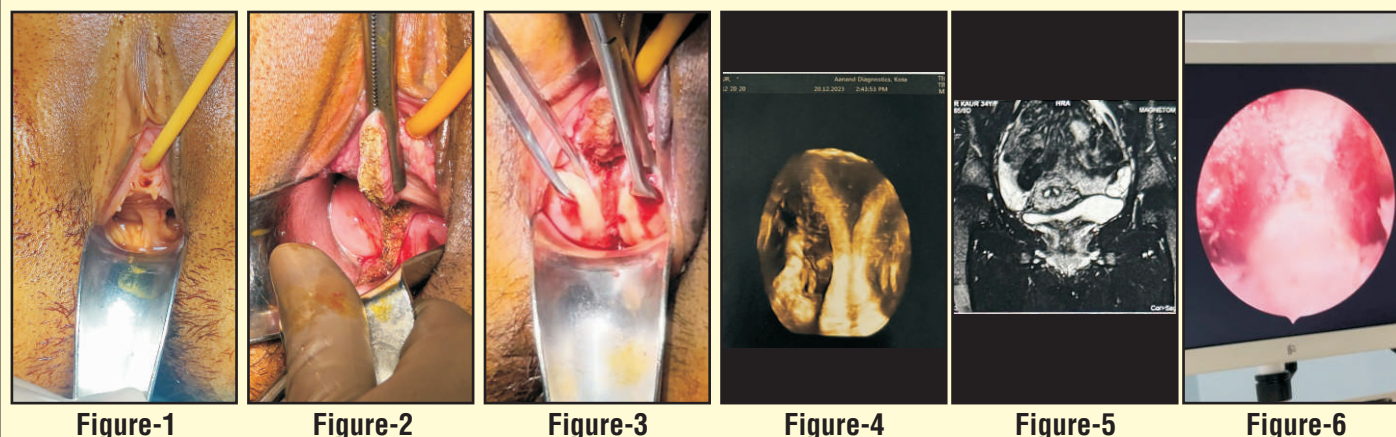
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## INTRODUCTION

Mullerian duct anomalies (MDAs) are congenital defects of the female genital system that arise from abnormal embryological development of the Mullerian ducts. The classification of uterine anomalies divides the septate uterus into partial or complete septate groups if the septum approaches the internal os.<sup>1</sup> Complete Septate uterus with longitudinal vaginal septum (**Figure-1**) is a rare variant of mullerian anomaly. The incidence of congenital uterine anomalies in the general population is estimated to be 0.001%-10%.<sup>2</sup> The septate uterus is seen in 35%-55% of all Mullerian duct (MD) anomalies (MDA).<sup>3</sup>

## CASE REPORT

A 34 year old female came with Secondary infertility and suspicious utero-vaginal anomaly. She has a regular menstrual flow with no complains of dysmenorrhea. She conceived two year back but had spontaneous abortion at around 7 weeks. Pelvic Examination revealed a longitudinal vaginal septum. (**Figure-2**). Ultrasonographic examination (**Figure-4**) and MRI PELVIS (**Figure-5**) shows Complete septate uterus with a complete division of upper 2/3rd vagina by a septum of length 5cm. Diagnostic hysteroscopic laparoscopy with septal resection (**Figure-6**) was performed for evaluation and correction of uterovaginal anomaly.



## DISCUSSION

Septate uterus is considered a type of uterine duplication anomaly. It results from partial or complete failure of resorption of the uterovaginal septum after the fusion of paramesonephric ducts. The genital tracts begin forming by five weeks gestation and are completed by 16-20 weeks gestation. The process of fusion of MDs occurs simultaneously in the cranial and the caudal directions starting from the isthmus of the uterus. Thus failure of fusion and resorption of the MDs results in the formation of MDA with a complete septum, a duplicated cervix (**Figure-3**), and a transverse vaginal septum.

## CONCLUSION

The reproductive outcome has been shown to improve after resection of the septum with reported decrease in the spontaneous abortion rate after hysteroscopic septal resection and unification of the endometrial cavity. Szymansky et al., reported that women with infertility after septum resection have an increased pregnancy rate.<sup>4</sup> In a literature survey, miscarriage and preterm delivery rates prior to septum resection were 88% and 9% respectively, and the live birth rate was only 3%. After septum resection, these rates were 14%, 6% and 80% respectively.<sup>5,6</sup>

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## References

- (1). The American Fertility Society. The American Fertility Society classifications of adnexal adhesions, distal tubal occlusion, tubal occlusion secondary to tubal ligation, tubal pregnancies, Müllerian anomalies and intrauterine adhesions. Fertil Steril. 1988;49:944-55.
- (2). Sharara FI: Complete uterine septum with cervical duplication, longitudinal vaginal septum and duplication of a renal collecting system. A case report. J Reprod Med 1998; 43:1055.
- (3). Dunn R, Hantes J: Double cervix and vagina with a normal uterus and blind cervical pouch: a rare Mullerian anomaly. Fertil Steril 2004; 82:458.
- (4). Szymanski R, Kaminski P, Marianowski L. Electroresectors copy in sub mucous fibroids, intrauterine adhesions and uterine malformation treatment. Ginekol pol 2000;71:1031-5.
- (5). 14. Acien P, Acien M. Evidence-based management of recurrent miscarriage. Surgical treatment. Int Congr Series 2004;1266:335-42.
- (6). Taylor E, Gomel V. The uterus and fertility. Fertil Steril 2008;89:1-16.