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PICTORIAL ESSAY

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Labial Fusion in an Adult Female: An Interesting Case

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A 26-year-old female married for 2 years came with the complaint of inability to have sexual intercourse since marriage. She had attended menarche at the age of 13 years. She had history of regular menses since then. Occasionally she had history of pain in the perineal region while passing a big clot during her menses. On examination, bilateral labia were fused. A dimple was seen over the fused labial region which acted as a common outflow for the passage of urine and menstrual blood (Fig. 1). A hysteroscope was passed through this orifice and urethral and cervical openings were seen (Figs. 2, 3). On hysteroscopy, bilateral ostia and normal uterine cavity were seen (Figs. 4, 5). The fused edges of labia were cut and sutures were taken on the cut edges of labia. Labial edges were kept separated with the use of a vaginal mold (Figs. 6, 7, 8). On follow-up at one month, separated labia were seen. Labial adhesion is seen in infants, toddlers, young girls, and elderly women due to low estrogen levels or skin irritation. Though seen commonly in the pediatric age group, it is a rare scenario in women of young reproductive age group [1–4]. This case is presented here due to its rare occurence in this age group and to guide in stepwise operative management of this case.

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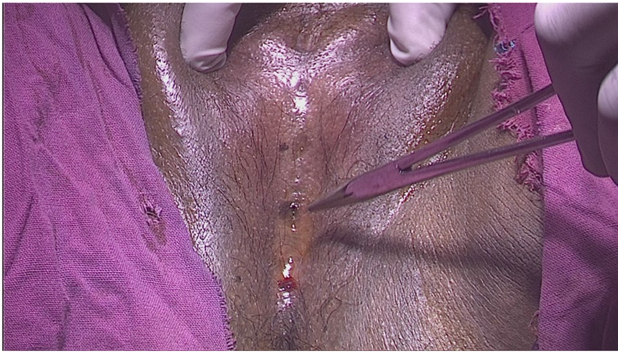


Fig. 1 Labial fusion is seen. Single opening (skin dimple) of urethra and vagina seen

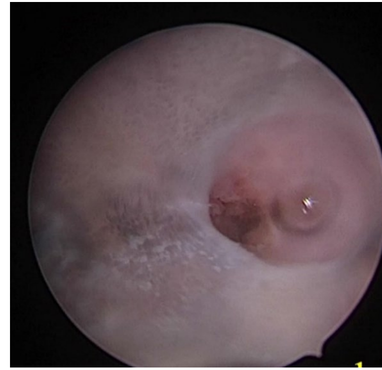


Fig. 3 Urethral opening seen

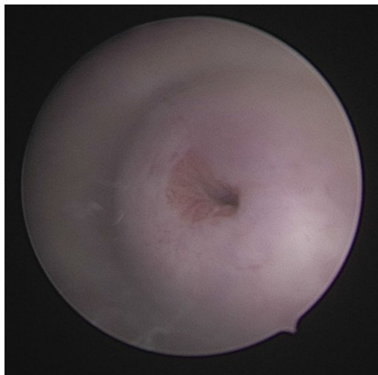


Fig. 2 Cervical opening seen on vaginoscopy

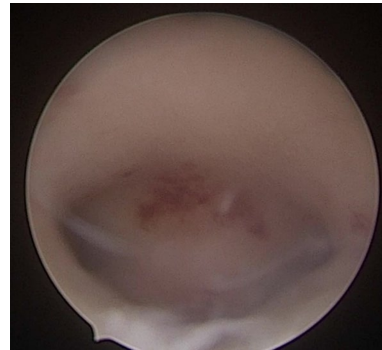
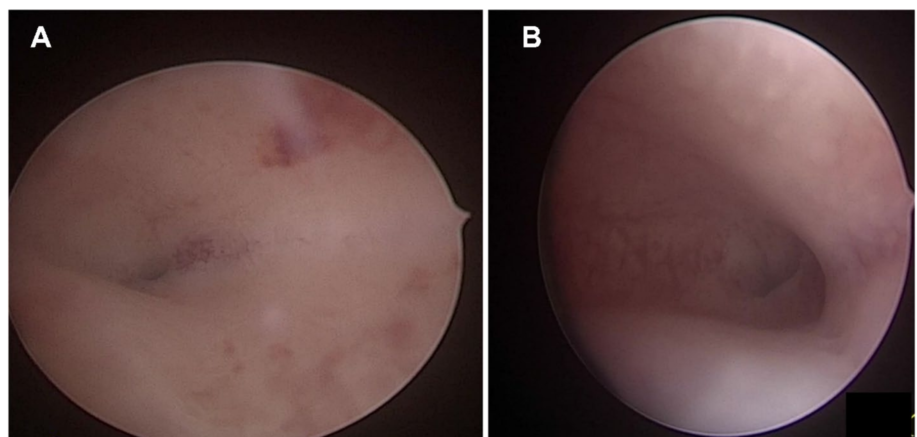


Fig. 5 Normal Uterine Cavity seen on hysteroscopy

Fig. 4 **a**, **b** Bilateral Ostia seen on hysteroscopy



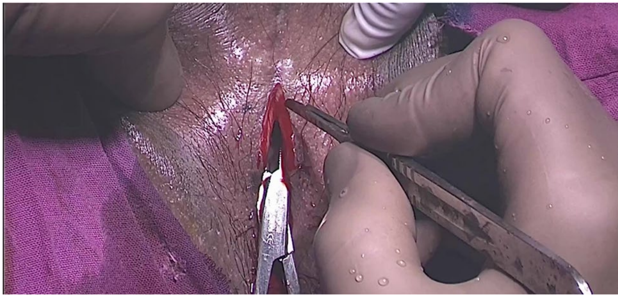


Fig. 6 Incision taken over labial fusion

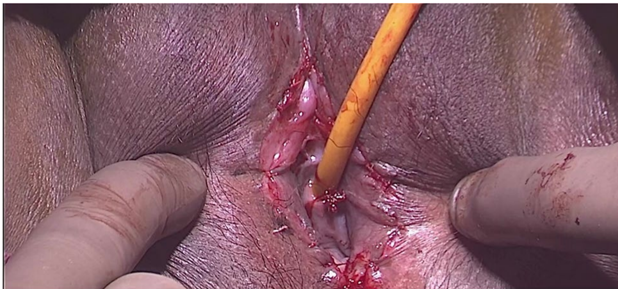


Fig. 7 Stitches taken on cut edges of labia. Urethra identified and catheterized

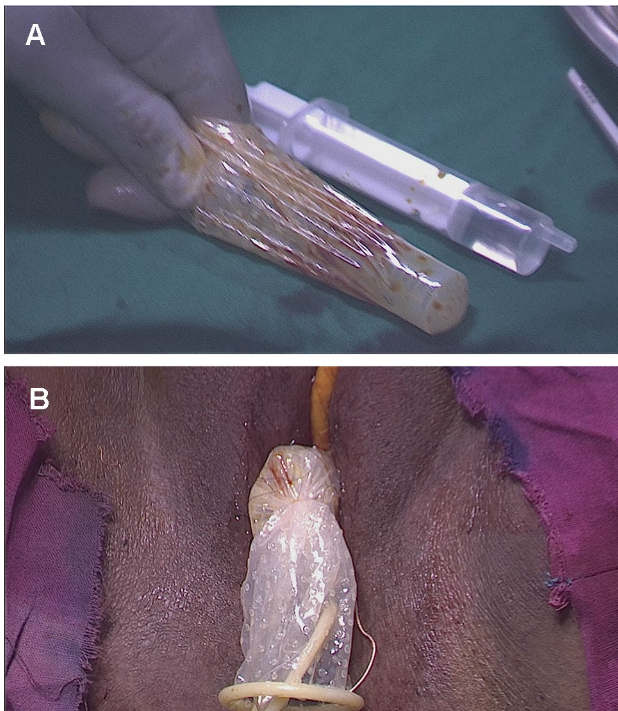


Fig. 8 **a**, **b** Vaginal mold (made with syringe and condom) was kept in the vagina which ensured separation of labia while healing

Author's Contribution All authors have contributed equally to writing, editing and approving the final manuscript of this article.

Declarations

Conflict of Interest The authors declare that they have no conflict of interest.

Informed Consent We, the authors, hereby declare that we have taken informed consent from the patient.

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