



A Rare Case of Labial Fusion Presenting with Urinary Retention

Mukta Singh¹ · K. K. Kaul¹

Received: 1 June 2019 / Accepted: 24 September 2019 / Published online: 15 October 2019
© Federation of Obstetric & Gynecological Societies of India 2019

A 13-year-old, premenarchal girl had urinary retention for 3 days, which was due to chronic local inflammation. Local examination showed labial fusion. Urethral opening was not seen. A small 0.5-mm punctum was present in the centre which was gradually dilated to relieve retention. Estrogen

application with surgical lysis was done. Normal vagina, urethra and cervix visualized. Local Estrogen application for 1 month was advised. Follow-up showed normal vulva and urethra (Figs. 1, 2, 3, 4).



Fig. 1 External genitalia showed normal labia majora, and labia minora were fused in the midline. Urethral opening was not seen. A small 0.5-mm circular opening was present in the centre just below the urethral opening



Fig. 2 Uterine sound could be passed through the opening

Dr. Mukta Singh is Assistant Professor and Dr. K. K. Kaul is a Professor in Department of Obstetrics and Gynaecology, Heritage Institute of Medical Sciences, Bhadwar, Varanasi, India.

✉ Mukta Singh
muktasingh1287@gmail.com

¹ Department of Obstetrics and Gynaecology, Heritage Institute of Medical Sciences, Bhadwar, Varanasi 221005, India



Fig. 3 Per-operative after surgical dissection, normal vagina was seen with rugosities. Normal urethral opening was seen 1 cm below clitoris. Cervix was also normally visualized



Fig. 4 Post-operatively normal looking labia minor with patent vagina

Compliance with Ethical Standards

Conflict of interest There is no conflict of interest

Informed Consent A written and informed consent was obtained from the guardian informing them about the publication of case and pictures in the journal.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

About the Author



Dr. Mukta Singh has done her post-graduation in obstetrics and gynaecology from BRD Medical College, Gorakhpur. She has worked as senior resident in AIIMS, Rishikesh. She is currently working as assistant professor in HIMS, Varanasi.