Management of reformation of imperforate hymen following hymenectomy by double cross plasty surgery

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DESCRIPTION

A young woman presented with dyspareunia and difficult coitus, where full penile penetration was not possible. She has a history of undergoing hymenectomy during childhood following a diagnosis of imperforate hymen. During the initial procedure, a cruciate incision was made and the excess tissues were cut and removed. The cut edges of the hymen were sutured with absorbable suture for haemostasis. Few years postoperation, she started to notice ‘bulging of the hymen/vagina’ each time during menses. Her menses were otherwise normal and regular.

During the physical examination, the patient was comfortable. Abdominal examination was normal, and no abdominal mass was detected. Examination

Learning points

► The standard treatment for imperforate hymen is surgical hymenectomy with removal of excess hymenal tissues. In most cases, surgical treatment results in excellent outcome.
► Reformation of imperforate hymen following surgical hymenectomy is an extremely rare event which may present long after the initial surgery.
► In such case, menstrual flow will still be normal if there is an associated microperforation, but patient may complain of ‘bulging hymen’ during menses or problems during penetrative sex.
► Double cross plasty is an excellent surgical technique for primary hymenal surgery for thick hymen or for correcting reformation of imperforate hymen post hymenectomy.

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Images in... of the vulva revealed recurrence of imperforate hymen with a pinpoint opening. The hymen thickness was about 4 mm. Blood was seen coming out from the pinpoint opening as she was having her menses (video 1).

She underwent double cross plasty surgery (figures 1 and 2) to manage the condition. Double cross plasty has been described successfully to overcome vaginal restenosis in cases of transverse vaginal septum. The same surgical technique was used in this case to prevent reformation of a thick imperforate hymen. Post-operative recovery was excellent. At follow-up few months later, she claimed that the dyspareunia had disappeared and full penile penetration during sexual intercourse was achieved.

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Case reports provide a valuable learning resource for the scientific community and can indicate areas of interest for future research. They should not be used in isolation to guide treatment choices or public health policy.

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REFERENCE