IMPERFORATE HYMEN WITH HAEMATOCOLPOS

(Report of 6 Cases)

by

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Six cases of imperforate hymen with haematocolpos are reported ere. The incidence as given by senthal and Blocke is 1:1000-2000 the total gynaecological admisions. Even in big hospitals there are hardly 2 to 3 cases per year. Secondly, because this simple condition is sometimes missed in girls between 11 to 20 years coming with abdominal pain, tumour or urinary complaint, unnecessary laparotomies are per-These laparotomies can formed. be avoided if, while examining girls of 11 to 20 years of age with abdominal pain, this condition is kept in mind. Two of the reported cases were referred as "acute abdomen" and one case was admitted as acute appendicitis and prepared for appendicectomv.

It is difficult to trace from the literature when the first case was reported. Paré was the first to describe this condition about 300 years ago. Due to amenorrhoea, abdominal swelling and pain he thought the patient was pregnant. In 1939 Thompkin reviewed 113 cases and reported 5 cases of his own. In 1956 Doyle found 156 cases in the literature and added his own 20 cases. Between 1942 and

1951 only 12 cases were added in the literature. In 1955 Wanner and Maun reported 5 cases, making the total 193. Since then there are not many reports. According to Wanner and Maun, this condition is not so commonly found in gynaecological practice. Some physicians might not have seen a case in their whole career while a gynaecologist may see only a few in his lifetime. The author came across 6 cases of imperforate hymen with haematocolpos since 1951, which are reported here.

It is not exactly known why the hymen does not perforate. There are different views about it. These are (i) the centrally placed epithelial cells do not degenerate and so do not perforate the hymen. (ii) Infection during childhood or even intrauterine life produces fibrosis and an imperforate hymen. (iii) The cells just behind the septum may not regress but on the contrary may proliferate resulting in an imperforate hymen. (iv) Any anomaly resulting in nonpatent vagina also will naturally cause imperforate hymen.

The commonest symptom is abdominal pain in the hypogastrium or in the back. In these 6 cases, the pain was in the lower abdomen, but in 5 there were monthly attacks with menstrual molemena. The duration of symptoms was from 3 to 6 months in

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Summery of cases

Complaints	Pain Lump Vomiting Headache Constipation	5 6 7 8 9	4 months	Examination	per rectum Vulval Amount of Blood removed.	13 14 15	Distended vagina. Distended vagina. Cystic swelling pressing on the perineum. Tense vagina. Swelling pressing on perinium, ballotable out hymen at vaginal perinium, ballotable orifice with gaping of labia. Bulged out hymen at vaginal 18 ozs. blood. and the perinium at vaginal orifice with gaping of labia. Bulged out hymen. Bulged out hymen. 24 ozs.
- And Andrews -	ne Age Retention of urine	3 4	13 years	Exa	Lump, Tenderness	11 12	+ + + + + + + + + + + + + + + + + + +
	Date Name	1 2	12-3-51 RH 11-6-54 BM 11-7-55 NB 11-10-60 J. J. 11-12-62 J. G. 11-6-65 C. M.		Married or unmarried.	10	Married Unmarried Unmarried Unmarried Unmarried Unmarried

4 cases, and the other two had pain for 2 to 3 days and came for medical advice.

According to Ealvin and Nichamin, and retention of urine. urinary complaints are present in nary symptoms are dysuria, frequency, urgency, incontinence and complete retention. In some cases retention of urine is the only symptom. Five cases in this series had

ntion of urine for 2 to 5 days. r 15 days. In one case even catheerisation was difficult.

The patient may come with a lump in abdomen. One out of six cases came with mass in the abdomen, retention of urine and abdominal pain.

Amenorrhoea is usually not a common symptom, because the relatives feel that the girl may start menstruation after some time. Secondly, the girl does not know exactly when menstruation starts.

Of the six cases reported here, 5 were unmarried girls while one was married but she was aged 13 years.

The diagnosis is usually easy when the condition is kept in mind. The Prognosis protruding hymen at the introitus with the retained blood giving it a bluish colour makes diagnosis apparent. A thick vertical translucent septum was present in all the cases in this series. The bulged out hymen labia as in case 5 (Fig. 1).

sausage-shaped cystic mass is felt filling the sacral hollow. One case of the six had a mass in the abdomen

Gaudin reports the changes in the 50% of the patients. Common uri- urinary system. There is elevation of urethra, vesical neck, trigone and floor of bladder. The mucosa of the trigone is oedematous. Hydroureter and hydronephrosis have been reported.

The condition needs differentiae case had intermittent retention tion from pregnancy and tuberculous peritonitis, both of which cause amenorrhoea and abdominal swelling, acute or subacute appendicitis, true amenorrhoea, ovarian cyst, pelvic kidney—this is common when the vagina is absent and may be mistaken for haematometra.

Treatment

Antibiotics should be administered. The hymen is incised in a cruciate fashion followed by excision of the four quadrants of hymen. The edges of the incision are sutured with continuous locked or interrupted catgut sutures to secure haemostasis.

Imperforate hymen with haematocolpos if not drained promptly is likely to produce haematometra, haematosalpinx or haematoperitoneum. If only haematocolpos is present and the patient is treated at vaginal orifice may cause gaping of there is a good chance of pregnancy occurring. Sterility may occur in The enormously distended haema- cases associated with haematosaltocolpos with or without haema- pinx. Doyle reported a case with tometra and haematosalpinx is felt haematocolpos, haematometra and per abdomen as an elastic mass. On haematosalpinx who gave birth to rectal examination the large palpable two children within 4 years of the

operation. One case in the series References conceived 5 years after the treatment. Follow up in the remaining 5 cases was not possible.

Summary

- 1. Six cases of imperforate hymen with haematocopos are reported.
 - 2. Literature is reviewed.
- 3. Age, symptoms, signs, prognosis and treatment of imperforate hymen are discussed.

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