Case Report

Congenital absence of a part of the fallopian tube: a case report

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ABSTRACT

Congenital malformations of female genital tract are frequently seen in Gynaecological clinics, incidence being upto 5-6% in cases of infertility. Most of these anomalies are related to uterus and vagina, abnormalities related to ovaries and fallopian tubes are of rare occurrence and the exact incidence of these anomalies are not known, only a few incidental case reports are available in literature. Here, we present a rare case report of absent mid- tubal segment of fallopian tube in a patient of infertility.

Keywords: Congenital, Fallopian Tube, Mullerian anomalies, Torsion

INTRODUCTION

Mullarian anomalies are not uncommon to be encountered in gynaecology clinics, and the reported incidence is 0.1-0.5% in general and up to 6% in patients with infertility. Most common developmental malformations to be encountered are uterine followed by vaginal and cervical anomalies. Congenital anomalies of ovaries and fallopian tubes are rare to be seen in clinical practice. Partial or complete absence of fallopian tube is of very rare occurrence. Though, true incidence of this condition is not known but till now very few cases have been reported in literature. Here we present a rare case of partial absence of fallopian tube, which was diagnosed incidentally during diagnostic laparoscopy.

CASE REPORT

Mrs. X, 32 years old female, presented to the Gynaecology Outpatient department of a tertiary care centre of Eastern India as a case of primary infertility. Patient was married for eight years, staying regularly with the husband. Previous menstrual cycles were regular and nothing significant was revealed in past and family history. There was no history of surgery in the past.

General and Gynaecological examination was within normal limits. Investigations revealed normal husband’s semen analysis, negative tuberculosis work-up (endometrial biopsy for TB-PCR was negative), S. TSH, Prolactin and anti-mullarian hormones were within normal limits. Though, her tubal testing was not done in the past, but she had received six cycles of ovulation induction outside, so she was taken for diagnostic laparoscopy and hysteroscopy.

Per-operatively, on hysteroscopy, uterine cavity was found to be normal, bilateral ostia were deep seated and eddy currents were present.

On laparoscopy, uterus was of normal size and shape. On left side, less than one cm stump was seen at cornual end followed by absent mid-tubal segment (about 2 cm in isthmic portion) followed by normal infundibulum and fimbrial end and the two portions were connected by a fold of mesosalpinx. There was a mid-tubal constriction on right side. Bilateral ovaries were normal and dye test was negative on both sides. Option of tubal reconstruction versus In-vitro fertilization (IVF) was given to the patient party and they decided to go for IVF. Post-operative period was uneventful.
CONCLUSION

Absence of a part or whole of the fallopian tube is very rare to be seen. It could either be congenital or secondary to asymptomatic torsion followed by auto- amputation or resorption, possible consequence of which could be sub-fertility. These cases are usually diagnosed incidentally on laparoscopy for some other reason. Though it is difficult to comment upon, but in absence of other abnormality, the likely cause of the absence of a part of fallopian tube in our case could be torsion of adnexa in the past, though we could not elicit history of any episode of severe pain abdomen in the past.

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REFERENCES
