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## A case report of right ovarian endometriosis with secondary infertility

### Background -

A 34 year old female presented to gynaecology OPD of PCMS & RC with chief complaints of heavy menstrual bleeding with severe dysmenorrhea since 3 years with secondary infertility

Obstetric history - P1L1A1 4yrs of non consanguineous married life .

Per abdomen examination – uterus 12 week size ,firm in consistency

Per vaginum examination – uterus is 12-14 weeks size

On investigation - USG report was suggestive of anterior wall subserosal fibroid of 7.5 x 6.5 cm , hypoechoic lesion measuring 3.5x 2.3 cm noted in right ovary suggestive of hemorrhagic cyst ?? endometriotic ,ET-6mm

Right ovary appear bulky – 5x4 cm and left ovary 2.7x1.6cm

Rest all investigations are normal

Operative procedure planned - myomectomy F/B hysterectomy with right sided oophorectomy done

Operative findings –

Acutely retroverted uterus

10x10 cm fibroid seen 5cm x 5 cm right complex ovarian cyst seen

Fundus of uterus adhered to rectum

Histopathology report of uterus - multiple black clefts seen , 0.3 cm largest diameter .

Specimen received in multiple bits shows myometrial bundles showing interlacing bundles of smooth muscle cells in fascicles appearing in whorling pattern along with endometrial glands and stroma deep in myometrium . the glandular tissue shows proliferative type endometrium,

Features are consistent with adenomyosis uterus

Ovarian sample on gross examination - smooth lobulated .

On cut section – cyst containing brownish fluid ooze out , 4 cm in largest diameter .

Feature suggestive of endometriotic ovary.

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