



OHVIRA Syndrome (Obstructed Hemivagina with Ipsilateral Renal Agenesis)

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OHVIRA SYNDROME (obstructed hemivagina with ipsilateral renal agenesis) or Herlyn–Werner–Wunderlich syndrome is a very rare type of mullerian anomaly.

Twenty-six-year-old female, nulligravida, complained of pain in right iliac fossa on and off since two to three months with excessive mucoid vaginal discharge since then. She had history of regular menstrual cycles. MRI findings were suggestive of uterus didelphys with obstructed right hemivagina and the absence of right kidney and ureter as shown in Figs. 1, 2 and 3. On per speculum examination, excessive mucopurulent discharge was present. Cervix was seen on left side. Bogginess was palpable in right fornix. On per vaginal examination, broad fundus was palpable which was suggestive of congenital mullerian anomaly (uterus didelphys). Excessive mucopurulent discharge was noted.

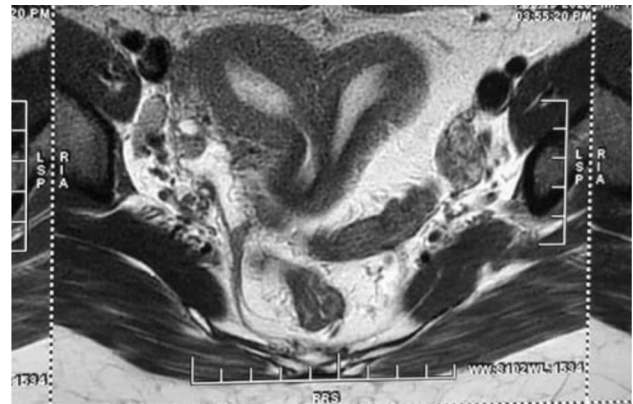


Fig. 1 MRI pelvis was suggestive of uterus didelphys with obstructed right hemivagina and obstructed mucopurulent material in right uterus and right hemivagina

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Fig. 2 MRI pelvis suggestive of uterus didelphys with obstructed right hemivagina and obstructed mucopurulent material in right uterus and right hemivagina

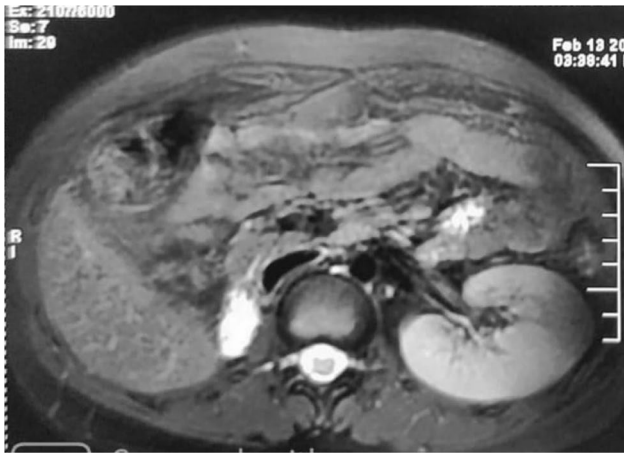


Fig. 3 MRI abdomen showing absent right kidney. Normal left-side kidney was present

On Hystero–laparoscopy—a cervical opening was seen on left side. A 3 cm × 3 cm bulge was seen in right fornix which was suggestive of obstructed right hemivagina. The obstruction was relieved by draining the obstructed hemivagina with the help of resectoscope. Excessive mucopurulent discharge was seen draining from the right hemivagina as shown in Figs. 4 and 5. Findings were confirmed with laparoscopy. Uterus didelphys was noted with two separate cervixes with two hemi vagina(with obstructed hemivagina). Right kidney and right ureter were absent as shown in Figs 6 and 7a, b.

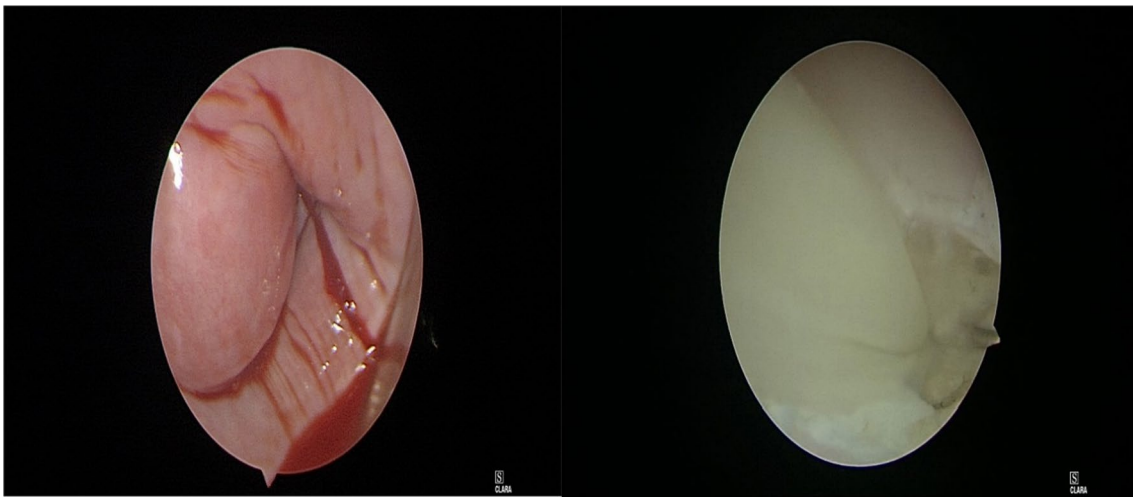


Fig. 4 Right-sided obstructed hemivagina seen on per speculum examination. Right hemivagina drained using resectoscope. Mucopurulent discharge was seen draining from obstructed right hemivagina

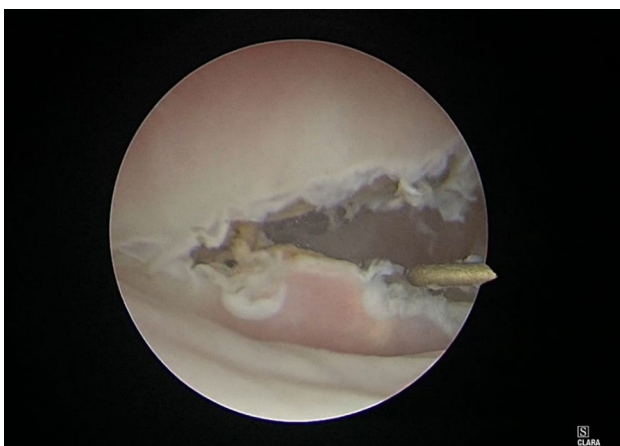


Fig. 5 Right hemivagina drained using resectoscope

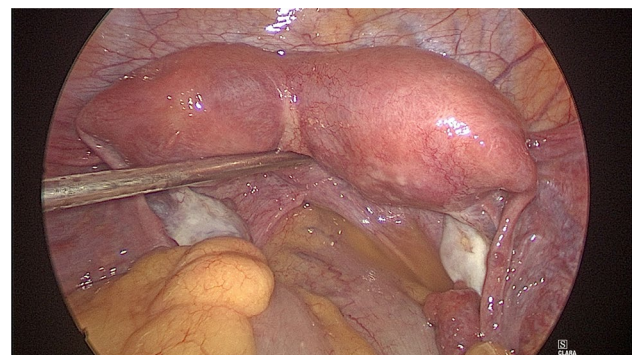


Fig. 6 On laparoscopy, uterus didelphys was noted. Bilateral tubes and ovaries were normal

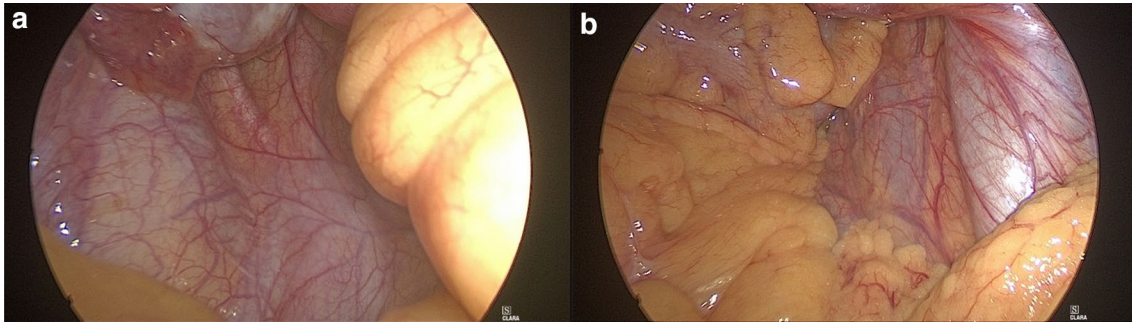


Fig. 7 **a** On laparoscopy, left ureter is present. **b** on laparoscopy right ureter is absent confirming diagnosis of OHVIRA syndrome.

Authors Contribution NS: has operated this case, searched literature and done final proof reading of this article; PC: who has done fellowship in laparoscopy under NS has assisted this case, written this article, done literature search and helped in proof reading this article; VB: has assisted this case, searched literature and done proof reading of this article; SB: has assisted this case, searched literature and done proof reading of this article.

Compliance with Ethical Standards

Conflict of interest The authors declare that they have no conflict of interest.

Informed Consent Informed consent taken from patient.

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