

Laparoscopic Resection of Diaphragmatic Endometriosis in 10 Steps

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Video article

2 Laparoscopic resection of diaphragmatic endometriosis in 10 steps

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24 This video has not been published elsewhere and is not under review at any other journal.

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- 26 Precis
- We describe a new laparoscopic approach by a right lateral access combined with a trans-
- 28 diaphragmatic thoracoscopy to treat diaphragmatic endometriosis. The procedure is
- described in 10 steps.

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32 Abstract:

- 33 Study Objective: Laparoscopic resection of diaphragmatic endometriosis has the
- 34 advantages of a minimally invasive approach. The standardization and description of the
- 35 technique are the main objectives of this video. We described the procedure in 10 steps to
- 36 make it easier and safer.
- 37 **Design:** Step-by-step video demonstration of the technique.
- 38 **Setting:** French university tertiary care hospital.
- 39 **Patients:** Patients with diaphragmatic endometriosis confirmed by MRI. The local
- 40 institutional review board ruled that approval was not required for this video article because
- 41 the video describes a technique and does not report a clinical case.
- 42 **Intervention:** There are no guidelines on the surgical treatment of diaphragmatic
- endometriosis. We propose a laparoscopic approach by a right lateral access with the patient
- 44 on left lateral decubitus position.
- 45 **Measurements and Main Results:** This video presents the procedure divided in 10 steps.
- 46 1- Set up. 2- Patient position. 3- Installation of the trocars. 4- Releasing the liver. 5- Exposure
- of the diaphragmatic endometriosis. 6- Making a diaphragmatic defect. 7- Exploring the
- 48 thoracic cavity. 8- Resection of diaphragmatic endometriosis. 9- Inserting the suction
- 49 catheter. 10- Closing the diaphragmatic defect.
- 50 **Conclusion:** Standardization of laparoscopic resection of diaphragmatic endometriosis could
- 51 make this procedure easier and safer to perform. Left lateral decubitus helps to have a
- 52 complete exposure of the right diaphragmatic muscle and endometriosis. Presented 10 steps
- help to perform each part of surgery in logical sequence making the procedure ergonomic,
- easier to adopt and learn. Standardization of laparoscopic techniques could help to reduce
- the learning curve.

57	Keywords: diaphragmatic endometriosis; trans-diaphragmatic thoracoscopy; 10 steps
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75 List of attached video:

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- diaphragmatic endometriosis.mp4