

Case of the Week

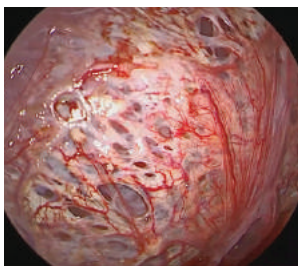
SUCCESSFUL SURGICAL MANAGEMENT OF CATAMENIAL PNEUMOTHORAX (THORACIC ENDOMETRIOSIS)

A 38-year-old female patient with a history of recurrent pneumothorax for 4 years for which ICD was sited twice i.e., in 2017 and 2019, presented to the hospital with the chief complaints of breathlessness on exertion and hemothorax, which is aggravated with every menstrual cycle. Right pneumothorax was detected on the chest X-ray and subsequent computed tomography (CT) of the chest showed right pneumothorax, complete collapse of right lung and diaphragmatic nodule. After further assessment, the expert medical team of Apollo Cancer Centres, Navi Mumbai, recommended surgical management to treat the condition.

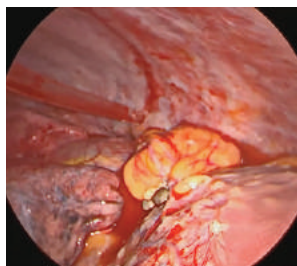
A three-port Video-assisted thoracoscopic surgery (VATS) was performed, which is a minimally invasive surgery of the chest. Thoracoscopic examination revealed complete collapse of lung, multiple nodules over pleural surfaces and cardio-phrenic area, the

concurrent presence of haemo-pneumothorax and multi-porous diaphragm. Adhesiolysis was done and excision of visible nodules performed. Further nodule clearance, pleural abrasion, and cauterization were done. Multiple air leaks from the lung were closed with sealant and mersilk. The diaphragmatic resection was done centrally and reconstructed using prolene mesh. Post-operatively, the patient's condition was stable, and recovered well without any complications. She was discharged with one ICD in position, which subsequently removed. Histopathology revealed active endometriotic deposits on to pleura and on diaphragm.

The patient made an uneventful recovery with full expansion of lung. On follow up after 3 weeks post-surgery, she is happy as she now can climb stairs. This case stand special consideration as catamenial pneumothorax with multi-porous diaphragm is rare case and few cases have been reported in medical literature.



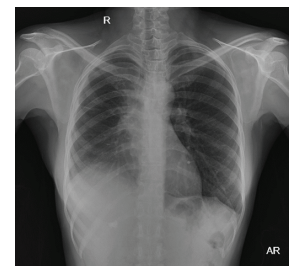
Multi-porous diaphragm



Endometriosis nodules in pleural cavity and over diaphragm



Pre-op Chest X-ray



Chest X-ray: 10 weeks after surgery

CLINICAL TEAM

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