Laparoscopic repair of congenital bilateral Morgagni hernia

Saurabh Khandelwal · Brant K. Oelschlager

Received: 19 April 2009 / Accepted: 19 January 2010 / Published online: 7 February 2011
© Springer Science+Business Media, LLC 2011

Abstract Morgagni hernia is a rare type of congenital diaphragmatic hernia found in the anterior aspect of the diaphragm. It typically presents in the pediatric population and rarely is diagnosed in adults. Only 3% of diaphragmatic hernias are the Morgagni type, and only 4% of these are found to present bilaterally. Surgical repair of Morgagni hernia has been performed through various approaches including open, laparoscopic, thoracotomy, and video-assisted thoracoscopic surgery (VATS), all with and without mesh. The optimal method of surgical repair is not known due to the rarity of this condition and the limitations of setting up a prospective, randomized trial to evaluate the different methods. Laparoscopic repair with mesh has been described with good short-term results. Few case reports

exist in the world literature describing laparoscopic repair of a bilateral Morgagni hernia with mesh. At the University of Washington, the authors present a video showing their technique for laparoscopic repair of a congenital, bilateral Morgagni type hernia with mesh.

Keywords Bilateral · Diaphragmatic · Hernia · Laparoscopic · Morgagni's

Disclosures Brant K. Oelschlager receives education and research grants from Covidien and W.L. Gore and research grants from Cook Surgical, Torax Medical, and Synovis Surgical Innovations. Saurabh Khandelwal has no conflicts of interest or financial ties to disclose.

Presented at the SAGES 2009 Annual Meeting, April 22–24, 2009, Phoenix, AZ.

Electronic supplementary material The online version of this article (doi:[10.1007/s00464-010-1337-y](https://doi.org/10.1007/s00464-010-1337-y)) contains supplementary material, which is available to authorized users.

S. Khandelwal · B. K. Oelschlager (✉)
Department of Surgery, Center for Videoendoscopic Surgery,
University of Washington, 1959 NE Pacific Street, Box 356410,
Seattle, WA 98195, USA
e-mail: brant@u.washington.edu