Delayed Presentation of a Traumatic Diaphragmatic Perforation: 27 Years After Trauma

Geç Tespit Edilen Travmatik Diyafragma Perforasyonu: Travmadan 27 Yıl Sonra

Traumatic Diaphragmatic Perforation / Travmatik Diyafragma Perforasyonu

Rasih Yazkan[1], Sedat Güneş[1], Mahmut Bülbül[2]
[1]Göğüs Cerrahisi Anabilim Dalı, [2]Genel Cerrahi Anabilim Dalı, Süleyman Demirel Üniversitesi Tıp Fakültesi, Isparta, Türkiye

A 32-year-old man hospitalised with left side chest pain, dyspnea, constipation and twice hypotensive episode for one month. He had a traffic accident 27 years ago. In physical examination, bowel sounds were revealed on the left hemithorax. A chest X-ray and chest computed tomography showed the organs of the gastrointestinal tract in the left intrathoracic space (Figure 1). A left posterolateral thoracotomy was done, and encountered the spleen, stomach, omentum, mesenterium, small intestine, and total atelectatic left lung. Surgical diaphragmatic reconstruction was done with prosthetic graft, and partial left lung reexpansion was achieved during the operation, in postoperative 7th day total left lung reexpansion was achieved (Figure 2). The patient was discharged uneventfully on postoperative day 15.

Surgical reconstruction should be done for delayed presentation of traumatic diaphragmatic perforation, intra abdominal pressure should be followed, and the lung reexpansion should be provided in postoperative period.

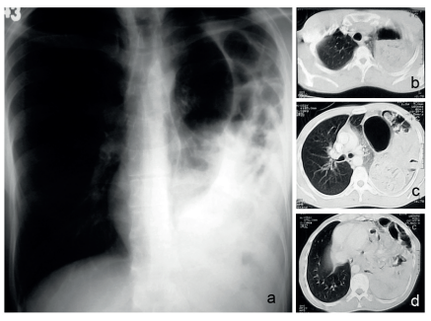


Figure 1. Organs of the gastrointestinal tract showing in left intrathoracic space on chest X-ray (A) and chest computed tomography (B, C, D).

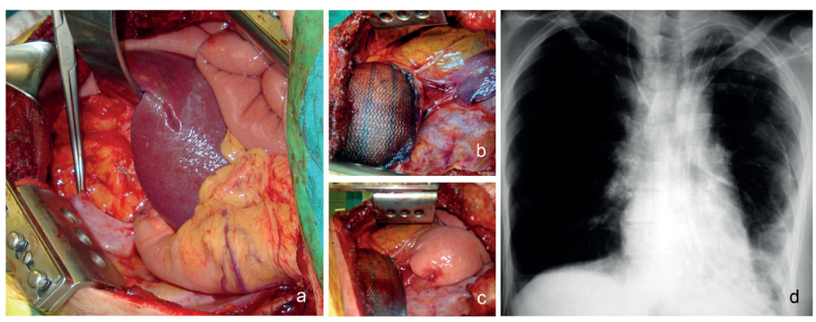


Figure 2. Peroperative images, Spleen, stomach, omentum, and small bowel showing in the left hemithorax (A), Prosthetic diaphragmatic graft and total atelectatic left lung showing (B), Partial reexpansion of the left lung showing (C), Total reexpansion of the left lung showing in chest X-ray in postoperative 7th day (D).

DOI: 10.4328/JCAM.934 Received: 22.02.2012 Accepted: 07.03.2012 Printed: 01.07.2013 J Clin Anal Med 2013;4(4): 348
Corresponding Author: Rasih Yazkan, Süleyman Demirel Üniversitesi Tıp Fakültesi Göğüs Cerrahisi Anabilim Dalı, Isparta, Türkiye.
GSM: +905054835961 F.: +90 2462370240 E-Mail: drrasihyazkan@yahoo.com