Unusual Organ in Chest Cavity

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Case Presentation: A 55-year-old male patient presented to surgical outpatients department complaining of recurrent attacks in the upper GI, upset and dyspepsia, along with occasional bouts of non-bilious vomiting. There was no past history of abdominal trauma or abdominal surgery. There were no significant findings on abdominal examination. His blood picture was within normal limits. Chest radiography showed the right dome of the diaphragm to be raised. Contrast-enhanced CT of the chest and abdomen was carried out.

Questions

1. What are the CT findings?
2. How do we manage this condition?

Answers

1. Diaphragmatic hernia with gastric volvulus
Diaphragmatic hernia is a defect in the diaphragm that allows the abdominal contents to move into the thoracic cavity. The following types of diaphragmatic hernia exist:
A. Congenital diaphragmatic hernia
 - Morgagni hernia
 - Bochdalek hernia
 B. Hiatal hernia
C. Iatrogenic diaphragmatic hernia
D. Traumatic diaphragmatic hernia
In advanced stages of hiatal hernia, the whole stomach may migrate up into the chest by rotating 180° around its longitudinal axis (mesentericoaxial volvulus), with the cardia and pylorus as fixed points. In this situation the abnormality is usually referred to as an intrathoracic stomach.
2. Adult onset diaphragmatic hernia (DH) is a rare condition with variable clinical manifestations. Surgical repair is mandatory to prevent its potential devastating morbidity and mortality. Traditionally, DH is repaired by laparotomy or thoracotomy, or both. With the recent

Figure

advent of minimally invasive surgery, laparoscopic repair has become feasible. Diaphragmatic defect is repaired with or without prosthesis after reducing the contents. Fundoplication or gastropexy may be added depending upon the symptoms and intraoperative picture.

Informed Consent: Written informed consent was obtained from the patient in order to publish his medical data.

Conflict of Interest: The authors hereby declare that there is no conflict of interest.

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Received 24 May 2016; Accepted 26 June 2016