CASE PRESENTATION

A 91-year-old Asian woman was admitted to our emergency department with complaints of nausea and dyspnea. One month prior to admission, the patient had become bedridden, and could maintain an upright sitting position for only 30 minutes. Moreover, she reported having to lie down quickly after meals. The patient, who was 143 centimeters tall and weighed 35 kilograms, had a significant thoracic gibbus deformity (extreme thoracic kyphosis from vertebral collapse and wedging).

Vital signs were as follows: a blood pressure of 89/52 millimeters of mercury, pulse of 123 beats per minute, respiration of 32 breaths per minute, and oxygen saturation (on ambient air) of 91%. Physical examination revealed epigastric tenderness, cool extremities, dry mouth, and livedo reticularis of both lower limbs. In addition to these physical findings, the laboratory evaluation was significant for a metabolic acidosis and hyperkalemia. There was no ST-T change on the electrocardiogram, and the transthoracic echocardiography was of poor quality, because of the patient’s short stature and kyphotic posture. We then performed chest radiography (CXR) and computed tomography (CT) (Image).

DISCUSSION

The CXR showed a mass shadow on the mediastinum. CT showed the left atrium being compressed by a hiatal hernia. Obstructive shock, secondary to a giant esophageal hiatal hernia, was diagnosed. Both nasogastric tube and endoscopic examination failed to remove the stomach.
contents. The patient was not deemed to be a surgical candidate because of her advanced age and poor overall condition. After conservative treatment, she died with non-occlusive mesenteric ischemia on the following day.

The risk factors of esophageal hiatal hernia include female sex, aging, and gibbus. A hiatal hernia rarely leads to death. Only two previous similar cases have previously been reported in the literature and indicate that surgical management is necessary. We suggest that obstructive shock should be considered in elderly women, particularly in those with a gibbus deformity.

Documented patient informed consent and/or Institutional Review Board approval has been obtained and filed for publication of this case report.

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REFERENCES