Objectives

Achalasia is a common condition that is often insidious in onset. We present a case of an elderly patient with acute respiratory failure secondary to tracheal compression by the esophagus as the initial presentation of achalasia.

Case Presentation

History of Present Illness

- An 80-year-old female with degenerative cerebellar ataxia and previously treated breast cancer presents with acute hypoxemic respiratory failure.
- The patient reported mild coughing following meals without symptoms of dysphagia or reflux the week prior to presentation.
- On the day of presentation, the patient experienced sudden onset and rapidly progressive dyspnea. At an outside hospital, patient was found to be in
- acute respiratory distress requiring intubation and was transferred to our intensive care unit for further management.

Past Medical History

- Hereditary degenerative cerebellar ataxia resulting in wheelchair-dependence.
- Breast cancer that was treated with radiation and resection 30 years prior.

Physical Exam

- T: 98.5° F HR: 98 bpm BP: 132/63 RR: 20 O₂ Sat: 99%
- Exam: intubated and sedated, otherwise an unremarkable exam

Laboratory Data

<u> 13 </u>

 140
 107
 18
 270

 4.2
 20
 0.77
 270

16.6 206 41.6

Lactic Acid: 3.55 mmol/L Blood Cultures: No growth

TRACHEAL COMPRESSION AS AN INITIAL PRESENTATION OF ACHALASIA

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Hospital Course

- CT showed a large dilated, food-filled esophagus with tracheal compression.
 - Esophagogastroduodenoscopy (EGD) revealed: Food in the esophagus
 - Dilated esophagus

 - Hypertonic lower esophageal sphincter
- esophageal sphincter.
- The patient was extubated and diet was advanced to full diet by time of discharge.





The lower esophageal sphincter was serially dilated to 10mm using balloon dilation. Repeat EGD during this admission was done with injection of botulinum toxin into the lower

threatening complications such as tracheal compression.

References

- Murphy MS, Gardner-Medwin D, Eastham EJ. Achalasia of the cardia associated with hereditary cerebellar ataxia. Am J *Gastroenterol*. 1989;84(10):1329-1330.
- Kaths JM, Foltys DB, Scheuermann U, et al. Achalasia with megaesophagus and tracheal compression in a young patient: A case report. Int J Surg Case Rep. 2015;14:16-18. doi:10.1016/j.ijscr.2015.06.020