

Achalasia Masquerading as *Status Asthmaticus* J Nunes , E Ruivo, G Henrigues, J Oliveira, L Melão, D Nunez, P Perez, J Moreno Centro Hospitalar e Universitário do Algarve – Unidade de Faro Department of Intensive Care Medicine



Case Report

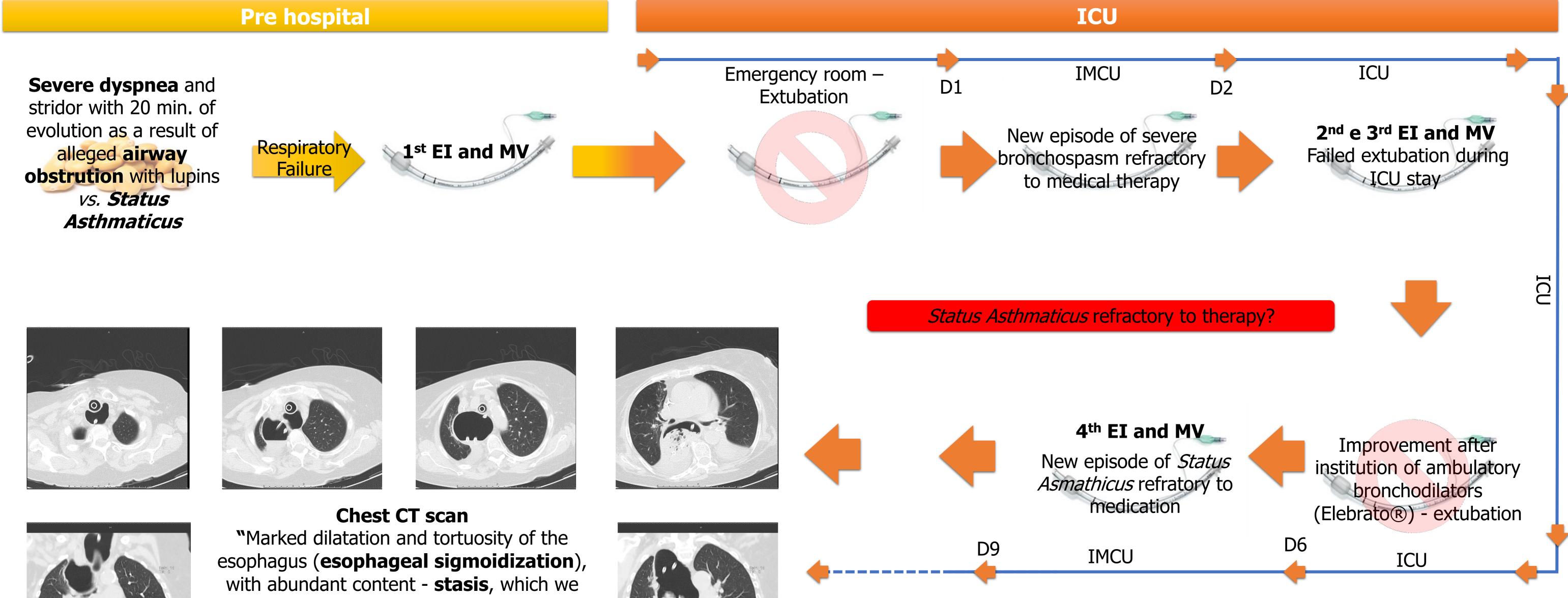
Past History



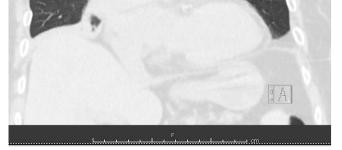
Medical History: #Moderate persistent Asthma # Achalasia (dilatation in 2008 e 2015 – pneumatic ballon) # Saccular bronchiectasis with multiple infectious complications # Hypertension

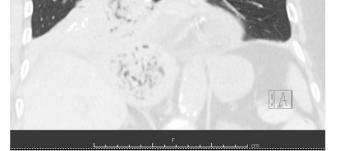
Medication:

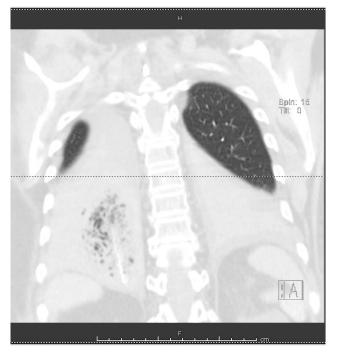
Fluticasone Furoate + Umeclidinium Bromide + Vilanterol (Elebrato®), Montelukast, Salbutamol in SOS, Sucralfate, Omeprazole, Simvastatin, Clebopride, Prevenar13® in 2018, Pneumovax23[®] in 2019, Seasonal flu vaccine, Covid 19 vaccine



attribute to a history of achalasia. The NG tube loops and is misplaced in the lumen of the esophagus. Complete atelectasis of the IL's and partial atelectasis of the ML is highlighted."...

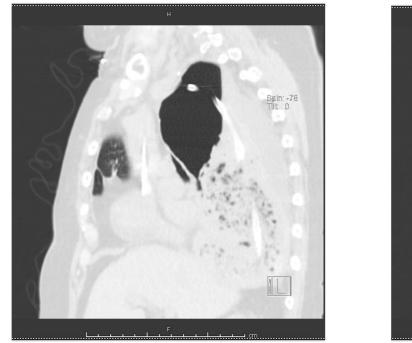


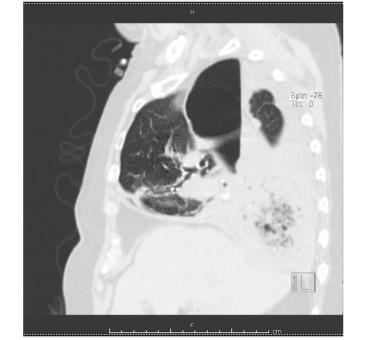


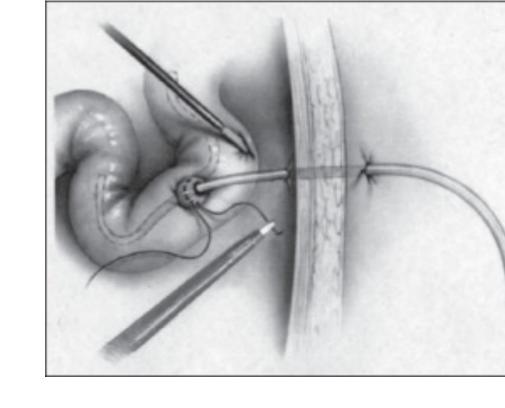


UCIP









Surgery Laparoscopic jejunostomy





Discussion

Partially controlled or uncontrolled Asthma, despite optimal therapy (30% of cases), should lead the clinician to **reconsider the diagnosis** and **exclude** entities that mimic Asthma.

Megaesophagus secondary to **Achalasia** is a rare but potentially fatal cause of airway obstruction. The usual clinical picture consists of dysphagia, regurgitation, progressive weight loss, and in some cases esophageal distention which can lead to stridor and respiratory failure.

This clinical vignette reports the case of a 79-year-old asthmatic patient with stridor and severe dyspnea. Due to her clinical condition and history, she was admitted to the ICU with the diagnostic hypotheses of **airway obstruction** vs. **Status Asthmaticus.** During hospitalization there were **multiple failed** extubation attempts (3 in total).

In *Status Asthmaticus*, the ICU stay is, as a rule, short and therefore **extubation a priority.** Extubation failures were interpreted as therapeutic failure and multiple aspirations of food content. The CT images were decisive in identifying a megaesophagus, consequent to Achalasia and conditional pulmonary atelectasis.

After drainage (endoscopic) of the esophageal food impaction and surgical bypass by jejunostomy, the last extubation was successful with resolution of the condition and the possibility of reducing the level of care.



This case illustrates the importance of considering **Achalasia** as a **differential** diagnosis of respiratory pathologies and, as reported, of *Status Asthmaticus*. It also highlights the therapeutic strategy used in an intensive care environment whose patients are often unable to be admitted for major surgery - and this approach may emerge as a "bridge" to ventilator weaning and progression in rehabilitation.

Bibliography

Acknowledgment

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Abbreviations

D – Day; EI – Endotracheal Intubationl; MV – Mechanical Ventilation; IL's – Inferior Lobes; ML – Medial Lobe; NG – Naso Gastric; ICU – Intensive Care Unit; IMCU – Intermediate Care Unit