



Aphonia Followed by Endotracheal Intubation – A case study

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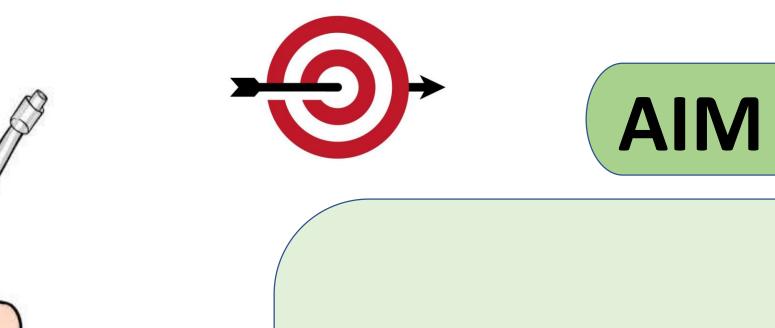
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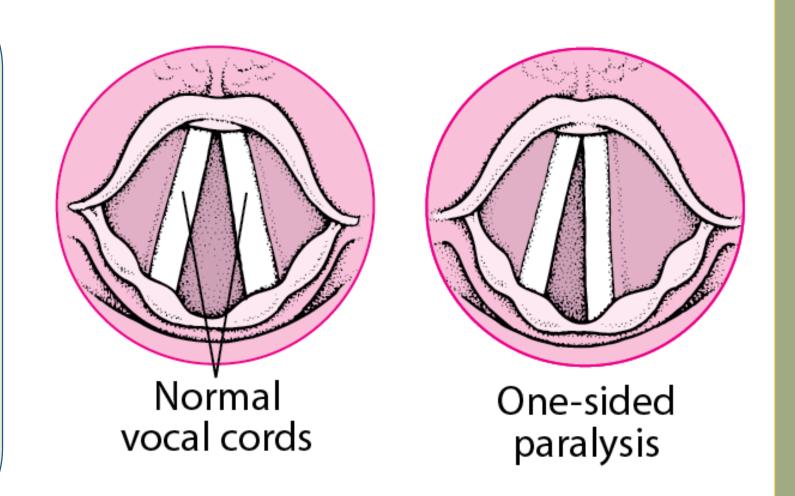
Introduction

> Endotracheal intubation is an airway management procedure.

> It may cause some rare complications like **aphonia**, with an incidence of less than 0.1%.



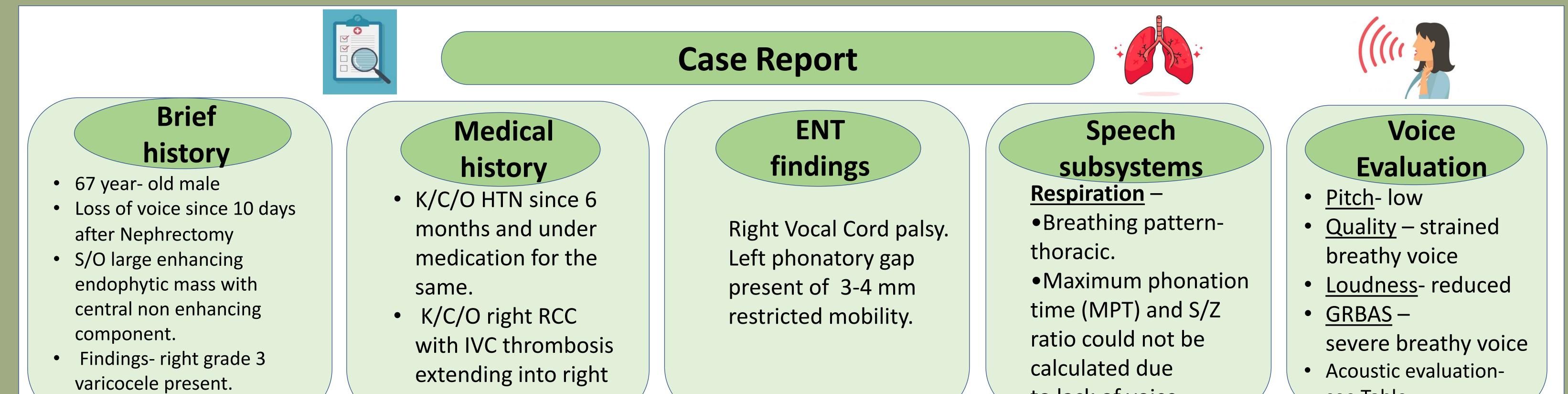
Clinically profiling a patient who had developed



- Vocal fold Paralysis may be caused by an injury.
- Sore throat & hoarseness are the most common symptoms post intubation.



aphonia post-surgery.



Adequate water intake

Provisional Diagnosis :- Severe breathy voice Secondary to Right vocal cord palsy, and restricted mobility of left vocal fold.







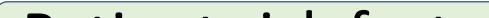
- ✓ The patient was given 13 sessions of voice therapy, for 2 weeks
- ✓ Home therapy sessions, which expand up to 3 months
- ✓ Vocal folds exercises (VFE) were implemented in the sessions
- Patient was instructed to perform VFE at home along with Vocal hygiene program

	Pre- Therapy	Post- Therapy
Fo	453.96Hz	152.49Hz
Intensity	67.90dB	58.47dB
HNR	0.92dB	7.92dB
CPP	14.30dB	16.38dB



- ✓ Noticeable improvement was seen in the patient throughout the sessions, which transformed the patient's voice from aphonia to a normal voice that the patient had presurgery
- Post-therapy perceptual and instrumental voice analysis results indicated clinically near normal voice









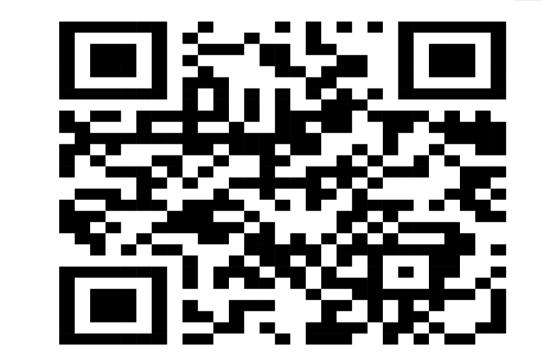






- Uniqueness of this case was that vocal fold exercises (VFE) were efficient in rehabilitating the patient with Aphonia.
- VFE is an effective technique to deal with hyper-functional voice disorder.
- Age
- Co- morbid conditions
- Anaesthetic considerations such as size of endotracheal tube
- Number of attempts
- Mean cuff pressure
- Anesthetic agents used, nature and duration of surgery

It can be concluded that the early identification and **intervention** plays a crucial role in such exceptional scenarios in bringing back normalcy in voice in affected individuals.



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