

PE 331



# FEASIBILITY AND ACCURACY OF LOW COST LARYNGOSCOPE FOR THE ASSESSMENT OF VOCAL CORD FUNCTION: A PROSPECTIVE STUDY

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50th World Congress of the International Society of Surgery ISS/SIC

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**Kuala Lumpur, Malaysia**  
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Jointly organized with the 51st Annual Scientific Congress of the College of Surgeons  
Academy of Medicine of Malaysia (CSAMM)

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## Low cost laryngoscopy

10 \$

In this study we have evaluated the feasibility and accuracy of a smart phone application based low-cost Endoscopic Vocal Cord Assessment (EVA)

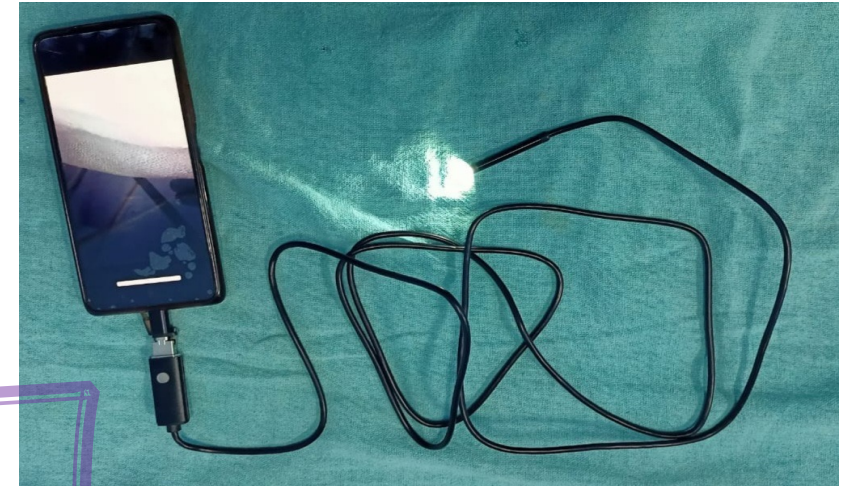


Figure.1 Low-cost device for vocal cord assessment

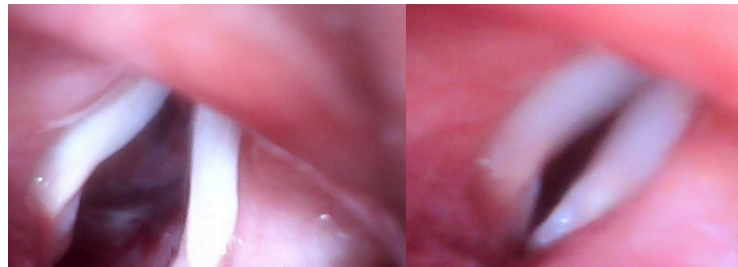


Figure.2 showing vocal cord image visualised and captured with the help of low-cost device

N=60 , Nerves at risk= 84

Feasibility=100%

Post-operative standard DL on 7<sup>th</sup> day s compared with post-operative EVA =100% correlation

Accuracy EVA=100%

In patients undergoing thyroid and parathyroid surgery, EVA is a feasible and accurate method for assessment of vocal cord function. This is especially beneficial and suitable for low resource settings.

## Disclosure

Commercial names of medical devices/software/equipment may appear in this content because they are linked to specific medical procedures, which are the focus of this training material. Other products in the market can be used to perform the aforementioned medical procedures. The educational provider does not endorse any particular product.



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