Evaluation Of Orotracheal Intubation With Medan Combo Videolaryngoscope In Daily Practice

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Background: Medan Combo videolaryngoscope (VDL) has recently been introduced for videoscope guided intubation. The aim of our study was to evaluate the efficacy of this device in daily practice.

Methods: 5 consultant anaesthetists inexperienced with Medan VDL used them about retrospective direct (DL) and indirect (IL) Cormack Lehane (CL) grading, success rate of endotracheal intubation (EI) with IL, satisfaction ranging from 15 (1=useful, to 5=prefer Macintosh), and if they recommend Medan VDL to another colleagues or for teaching.

Results: 65 cases were intubated: General surgery (25), ENT (21), Ginecology (3), Trauma (2) and Urology (2). 31 Men and 34 Female, 54, 38±18.09 years. ASA 1 (9 patients), 2 (39), and 3 (17), with IMC 30,37±5,314. Arné multivariation test ≥11: 25 patients (38.46%), and KIM test: 3.25±1.09.



Conclusion: videolaryngoscopes may increase success rate of initial intubation attempt (97-99%) and thereby patient safety. Our study showed higher success of El (100%), even with Arné 55 or IMC 45.2. By improving glottis visualization the Medan Combo VDL could help to decrease difficult intubation. We have one impossible EI using IL, possibly because a stylet was not used, and resolved using DL. Combo VDL offers the advantage of possibly being used as a direct laryngoscope and to be used without any rigidifying tool responsible for the airway trauma. Medan's blade offers a shared view between trainer and trainee, helpful as anyone assisting with intubation is able to visualise the procedure. Further randomized controlled studies are required to confirm these results.

References

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(patients consent was given to use images)

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Conclussions

- patient safety.
- reduce complications related to intubation. technology. The video screen offers a shared view between trainer and trainee.
- 2. By improving glottis visualization the Medan Combo VDL could help to decrease difficult intubation and 3. Combo VDL offers the advantage of possibly being used as a direct laryngoscope. 4. Medan Combo VDL have blades shaped like a Macintosh laryngoscope, but combined with video

- 5. All participants would recommend Medan VDL to another colleagues, and felt that it would be usefull for

teaching.

1. In the clinical setting VDL ultimate success rate of El ranges between 97% and 99%, and may increase