PROVES TO HAVE A POSITIVE ORGANIZATIONAL IMPACT

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A study presented at the Annual meeting of the Danish Society of Otorhinolaryngology, Head and Neck Surgery (DSOHH), found that ENT residents perceived that aScope RhinoLaryngo significantly reduces the organizational burden when conducting consult procedures in the emergency department.
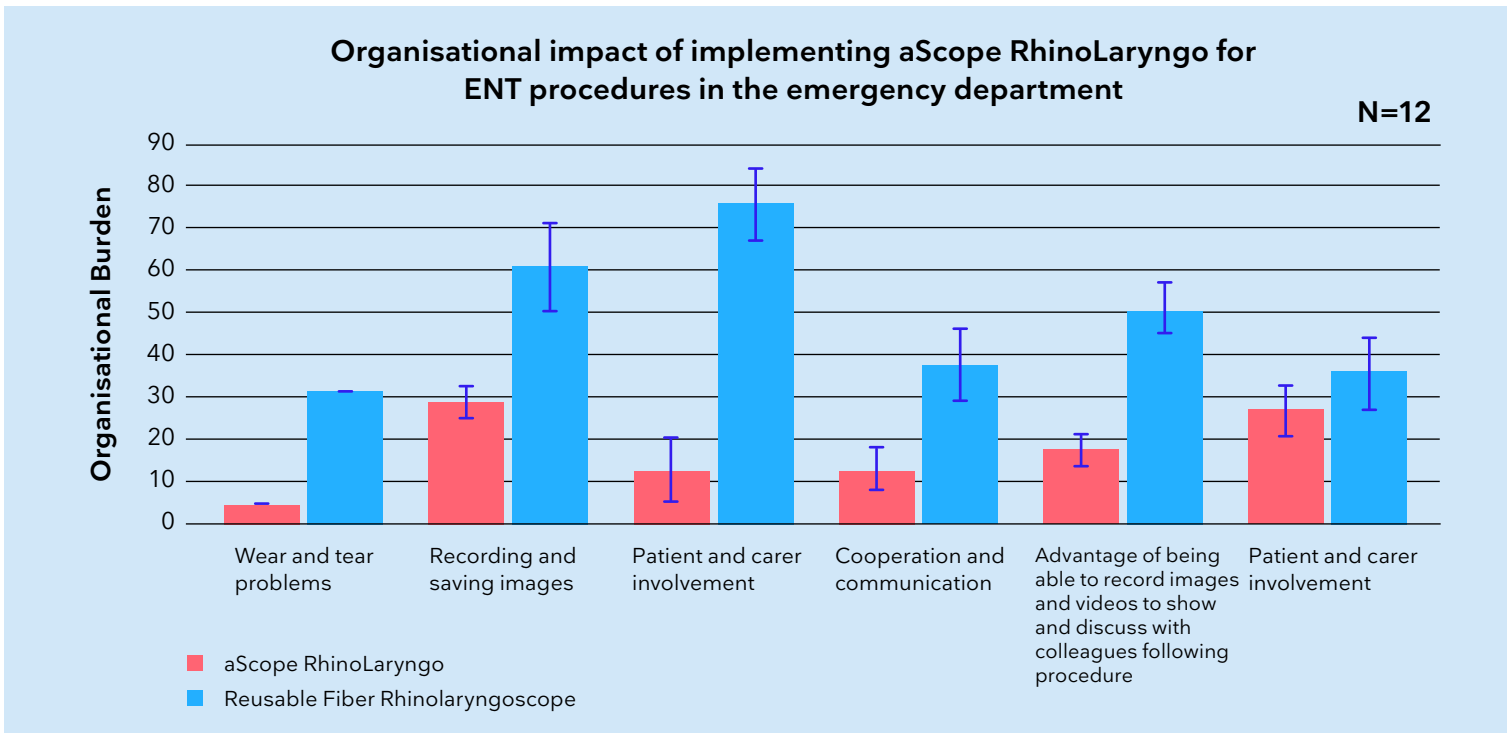
BACKGROUND

aScope RhinoLaryngo is a single-use rhinolaryngoscope developed to enable upper-airway examination displayed on a portable monitor. This flexible setup is particular suited for consult procedures, due to the easy transportability and the single-use nature of RhinoLaryngo.

The aim of this study was to investigate the organisational impact of implementing the single-use rhinolaryngoscope for ENT consult procedures in the emergency department.
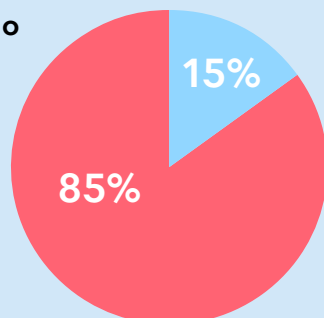
METHODS

The survey used to investigate the organisational impact of aScope RhinoLaryngo included the categories determined by Roussel et al., 2016, and validated for single-use bronchoscopy by Châteauvieux et al., 2018. The survey categories and questions were further validated by the local physicians conducting ENT procedures in the emergency department. The responders were asked to rate each question from 0: no burden to 100: biggest imaginable burden. The order of the questions was randomized.

Below are listed the organizational categories where a significant difference was detected.

Organisational impact of implementing aScope RhinoLaryngo for ENT procedures in the emergency department

N=12

Bar chart. Y-axis: Organisational Burden (0–90). Categories: Wear and tear problems; Recording and saving images; Patient and carer involvement; Cooperation and communication; Advantage of being able to record images and videos to show and discuss with colleagues following procedure; Patient and carer involvement.

Legend:
- aScope RhinoLaryngo
- Reusable Fiber Rhinolaryngoscope

DISCUSSION

aScope4 RhinoLaryngo proved to reduce the organizational burden of ENT procedures in the emergency department, compared with reusable fiberscopes without the possibility of capturing and sharing images or videos. These features were related to half of the categories where RhinoLaryngo improved the organizational burden. Further wear and tear issues are reduced as well as cooperation and communication within and between departments. Accordingly, 85% of the residents perceived that aScope4 RhinoLaryngo was suitable for ENT procedures in the emergency department.

Is aScope RhinoLaryngo sufficient for the emergency department?

Pie chart: 85% / 15%

- Yes
- No

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