
Tilmelding af Foredrag

Foredragets titel

Inter-observer and intra-observer agreement in drug induced sedation endoscopy – a systematic approach

Forfatter(e)

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Uddannelsesniveau

Speciallæge, Ph.D.

Introduktion

Drug induced sedation endoscopy (DISE) is used to determine surgical and nonsurgical treatment in obstructive sleep apnea. The aim was to evaluate the feasibility of systematic observer training in DISE interpretation

Materiale/metode

Fifty DISE videos were randomly selected from a group of 200 videos of a cohort of patients with OSA and/or snoring. The videos were assessed blindly and independently using a modified VOTE-classification by an expert observer and by two novice observers starting their training. A systematic approach was initiated. Clusters of 10 videos were scored individually by each observer and then re-evaluated as the expert observer clarified the decision-making in plenum. Kappa coefficient (κ) was calculated as a measure of agreement.

Resultater

Intra-observer variation for total agreement and kappa values for expert observer ranged between moderate to substantial agreement. Intraobserver agreement for novices varied between “less than chance agreement” to “moderate agreement”. Inter-observer variation showed increased agreement and kappa values from day 1 to day 2 for both novice observers except at the velum for observer C. The total agreement and kappa values for each site also improved in day 2 compared to day 1, except at velum for observer C.

Diskussion

This study shows that systematic intensive training is beneficial in acquiring the capability to evaluate DISE, however the results suggest that expert level is not acquired within the first 100 DISE interpretations.

Forfatters fulde navn

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