

## **Advanced voice assessment: videostroboscopy and objective voice measurement.**

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### **Objectives**

In the larynx the arytenoid regions and not only the vocal cords are often severely affected by infection, allergy and reflux.

### **Methods**

We have earlier measured the glottis closure% and standards deviations with laryngograms (glottograms), jitter% and shimmer% in relation to a grading of abnormal videostroboscopies of the larynx (hardware and software by Laryngograph, Ltd.).

In this study we try to implement results of irregularity percent of reading The Northwin and the Sun and intonation of an /ah/ for 4 seconds in a supplementary statistical setting in relation to the earlier results. The second aspect focuses on irregularity percent before and after treatment.

### **Results and Conclusion**

There are statistical differences between normal and pathological measures of voice with all parameters. The supplement with voice measures gives a more secure evaluation of pathology than videostroboscopy alone.