PARAMETRISATION OF LARYNGEAL VIDEOSTROBOSCOPY – NORMATIVE VALUES FOR AMPLITUDE, OPEN QUOTIENT, ASSYMETRY AND PHASE DIFFERENCE

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Although the LS is known as an important diagnostic tool till now it has been considered as a subjective measurement of vocal fold vibration analysis as it cannot be used as a reliable research tool in patients with voice disorders.

The study provides the normative values for laryngeal videostroboscopy (LVS) concerning amplitude, open quotient, asymmetry and phase difference in 31 healthy subjects.

In the study after obtaining LS recordings image processing was performed to attain parameters of vocal fold vibration.

The presentation is going to introduce the normative values for the index of maximum glottal gap amplitude (MaxAmpInd), the Index of net glottal gap amplitude (AmpCenter) of the visible vocal fold length; the location of the MaxAmpInd; the average open quotient (OQAvg) at different parts of the glottis; weighted vocal folds amplitude asymmetry (AmpAsymWeighted); weighted phase asymmetry (PhaseAsymWeighted) and values of the weighted absolute phase difference (AbsPhaseDiffWeighted).