

## **GRBAS Scale Auditory-Perceptual Evaluation**

Scoring: 1 Mild, 2 Moderate, 3 Severe

Grade of Dysphonia (hoarseness): 1 2 3

Roughness: 1 2 3

Breathiness: 1 2 3

Asthenia (Weakness): 1 2 3

Strain: 1 2 3

Eckel, F.C. and Boone, D.R. (1981) 'The S/Z ratio as an indicator of laryngeal pathology' Journal of Speech and Hearing Disorders 46, 2, 147-9.

## **Maximum Phonation Time**

Have the client sustain the phonation of “ah” with a timer. Complete 3 trials

Trial 1 \_\_\_\_\_ Trial 2 \_\_\_\_\_ Trial 3 \_\_\_\_\_ Average Phonation: \_\_\_\_\_

Females WNL: 15-25 seconds Males WNL: 25-35

Maslan J, Leng X, Rees C, Blalock D, Butler SG. Maximum phonation time in healthy older adults. J Voice. 2011 Nov;25(6):709-13. doi: 10.1016/j.jvoice.2010.10.002. Epub 2011 Mar 25. PMID: 21439778; PMCID: PMC3128209.

## **S/Z Ratio**

Have the client sustain productions of “s” and “z” for as long as possible. Complete 3 trials

**S:** Trial 1 \_\_\_\_ Trial 2 \_\_\_\_ Trial 3 \_\_\_\_ Average \_\_\_\_

**Z:** Trial 1 \_\_\_\_ Trial 2 \_\_\_\_ Trial 3 \_\_\_\_ Average \_\_\_\_

Now divide s by z S: \_\_\_\_ / Z: \_\_\_\_ = \_\_\_\_

Score above 1.4 indicates vocal dysfunction

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