Abstract Form, 21st Scientific Meeting of AAOT

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[Sample] Abstract Form, 21st Scientific Meeting of AAOT

Determination of dominant chewing side by measuring bilateral temporalis muscle electromyography

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**Purpose:** The aim of this study was to examine the validity of assessment of dominant side by measuring electromyographic (EMG) activity of the bilateral temporalis muscles. \*\*\*\*\*\*\*\*\*\*\*\*\*.

**Methods:** Twenty-five healthy, dentate volunteers participated to the present study. participants were asked to chew five different types of test foods for 20 strokes, and EMG activity from the bilateral temporalis muscles was recorded. \*\*\*\*\*\*\*\*\*\*\*\*\*\*.

**Results:** There were significant differences in the EMG activity of temporalis muscles among five different test foods (P < 0.01, ANOVA). \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.

**Conclusion:** The obtained results suggest that measuring EMG activity of bilateral temporalis muscles might be valuable for the determination of dominant chewing side. [around 250-300 words]