

Characterizing Tongue Tremor in Parkinson's Disease

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INTRO & METHOD

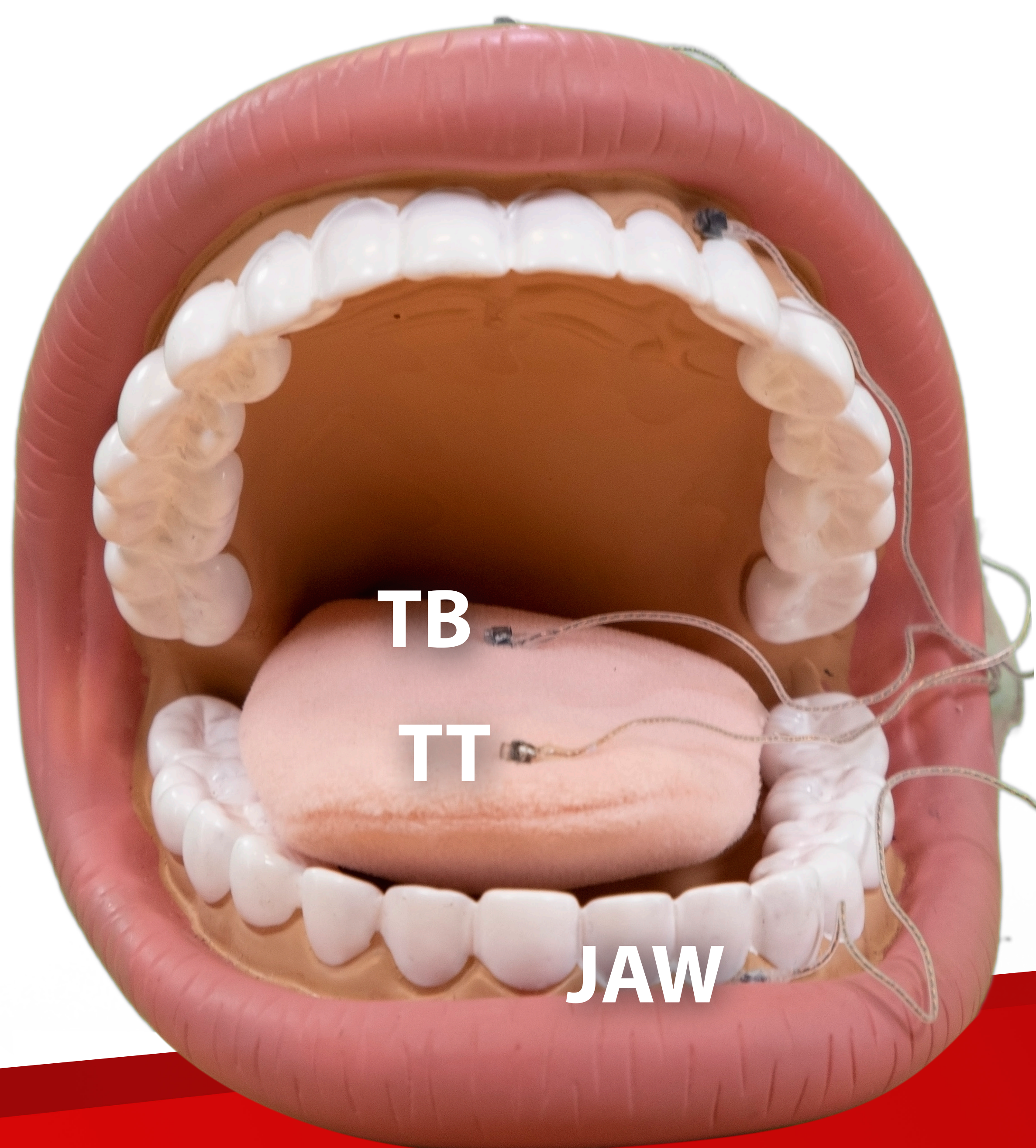
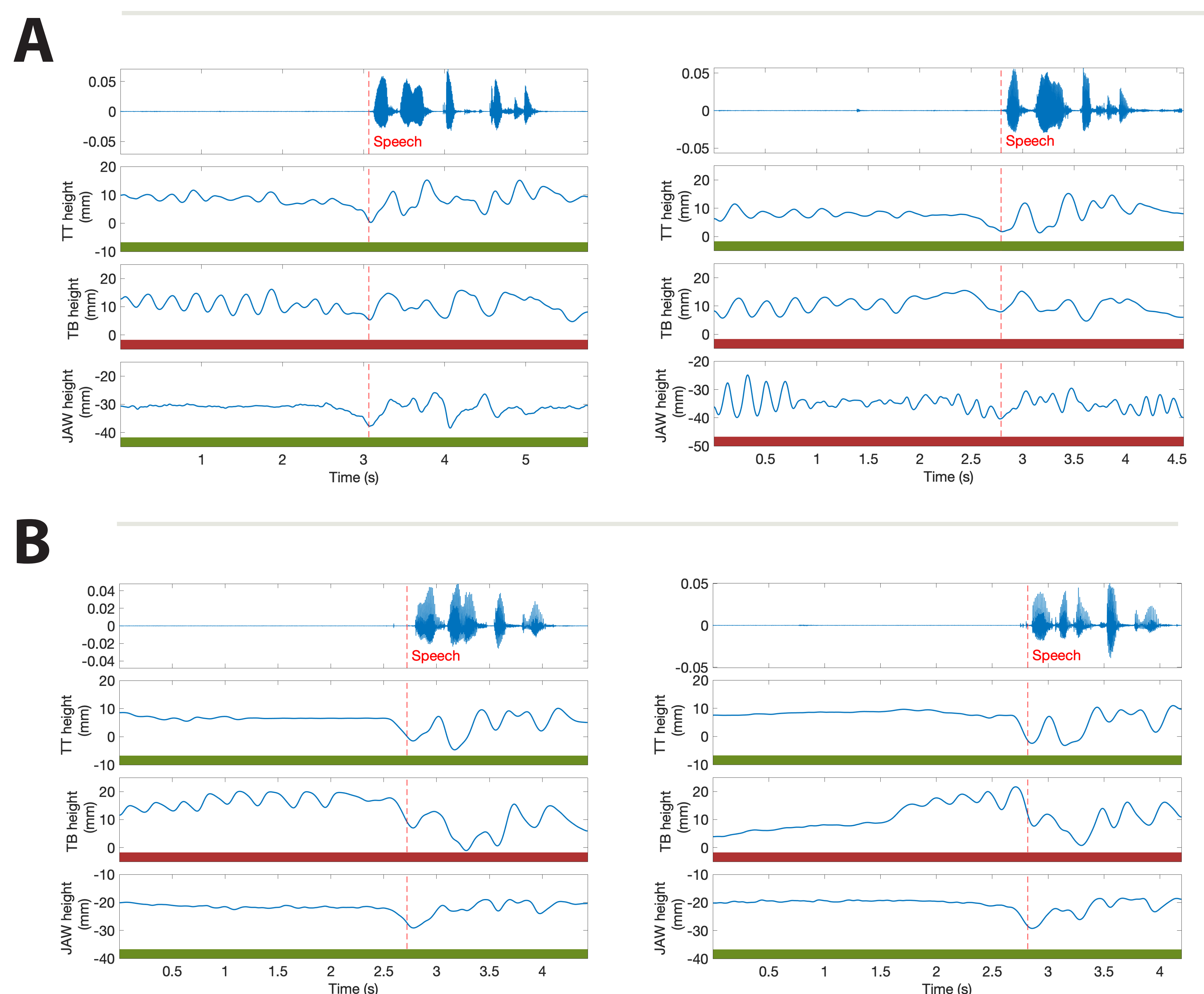
- ▶ Literature on tongue tremor in PD is sparse
- ▶ Systematic investigation of EMA tongue tremor data using an automated approach
- ▶ Detection based on spectral peaks ([3,6] Hz) and RMS amplitude (> 0.2 dB)
- ▶ 25 PD patients

DISCUSSION

- ▶ Tongue tremor observed in 4 out of 24 patients (17%)
- ▶ Tremor most pronounced on posterior part of tongue
- ▶ Algorithm successfully identified tremor
- ▶ Articulatory methodology may be suitable for use in clinical settings

RESULTS

■ tremor detected
■ no tremor detected



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