

PARROT

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The tongue is commonly evaluated in the diagnosis and treatment of disorders associated with speech, swallowing, and breathing. Over 38% of the general population and 81% of children are impacted with some form of such disorders. The tongue's placement within the oral cavity, however, creates a challenge. Current diagnostic devices and therapy processes are largely restricted to a clinical setting, provide limited biofeedback, and are often disruptive to natural tongue movement. PARROT, a device with telemedicine capabilities, can provide continuous real-time feedback of the tongue's movements with minimal lingual disruption to help guide clinical treatment. This device sits on the upper teeth and palate and houses integrated sensors to provide a better understanding of a patient's habitual lingual behaviors and help improve effectiveness of treatment. PARROT also aims to provide clinicians with access to insurance billing by providing a robust evidence-based diagnostic and therapy tool.