Successful Outcomes with Voice Preservation and 'Double Dipping': The Message Banking Process Used to Voice Bank in Multiple Languages and Integrate into Communication Technology

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GOAL: Support people with MND to use one effort to preserve authentic messages through the message banking process and create a custom synthetic voice. Both may then and be integrated into one's communication tool for functional use.

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Why is preservation of voice important?

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“Our voice is our ACOUSTICAL fingerprint”

Costello, J.M. 2010

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Message Banking Process™: What is it

"Message Banking™ Process as a proactive clinical approach for people with ALS. The Message Banking Process supports people to authentically and proactively digitally record and store words, phrases, sentences and personally meaningful sounds and/or stories over time, using their own natural voice, inflection and intonation. If and when needed, the Message Banking Protocol allows for these recorded messages to be incorporated into the most appropriate technology to enhance communication and presentation of self." Costello, 2010

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Voice Banking: What is it?

Historically: Voice banking is a process of recording a large inventory of one's speech following a pre-determined script designed to capture a sampling of all co-articulated sounds in the language. The completed collection of recordings is then used to create a synthetic voice that approximates one's natural voice.

Costello, 2011

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Double Dipping: What is it?

"Double Dipping is the ability to use the single effort of following the Message Banking Process to create a custom synthetic voice. The goal is to judiciously use the time of someone who is at risk of losing their ability to speak and minimize fatigue "

Costello, 2018

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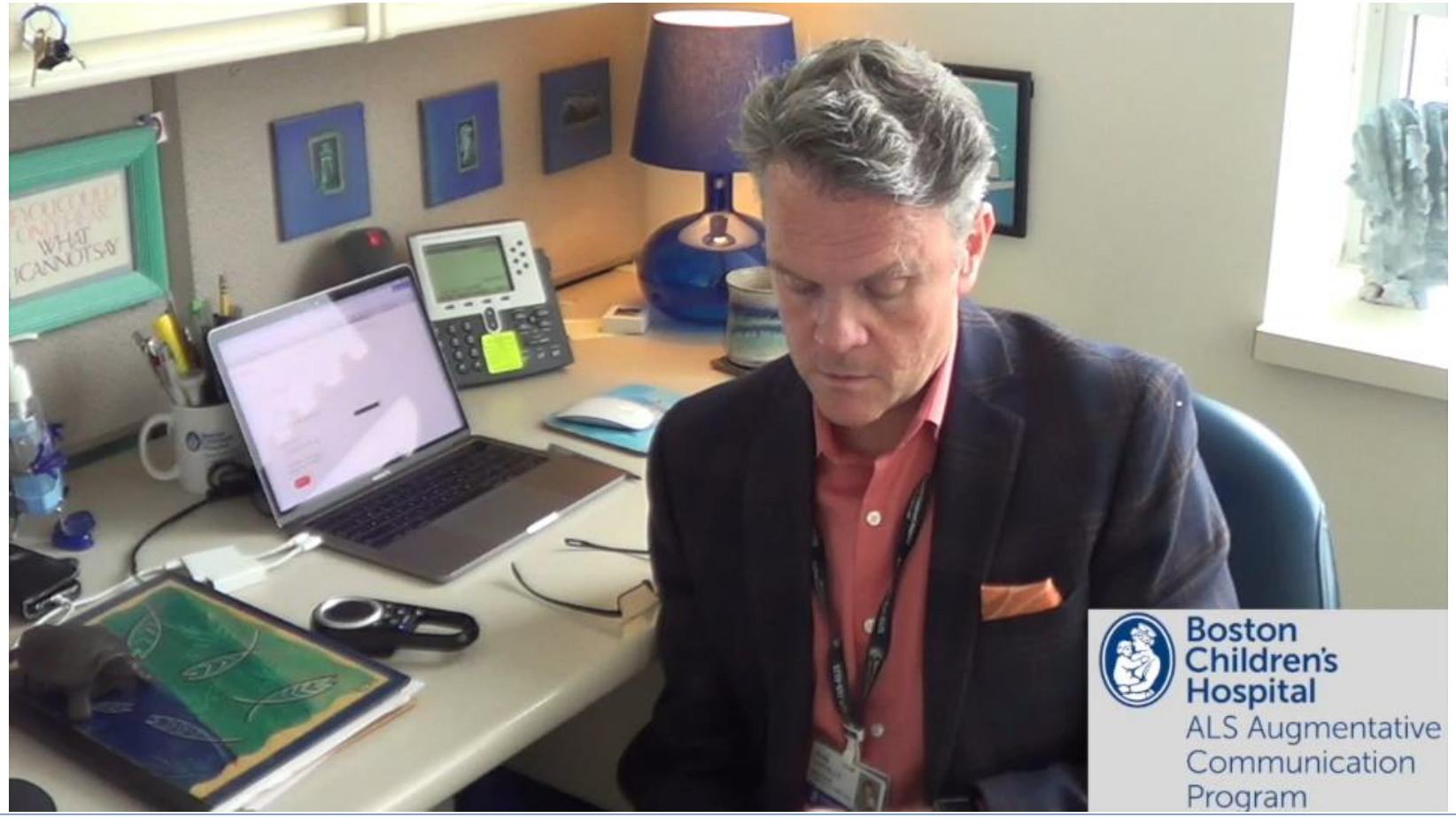
Double Dip Montage



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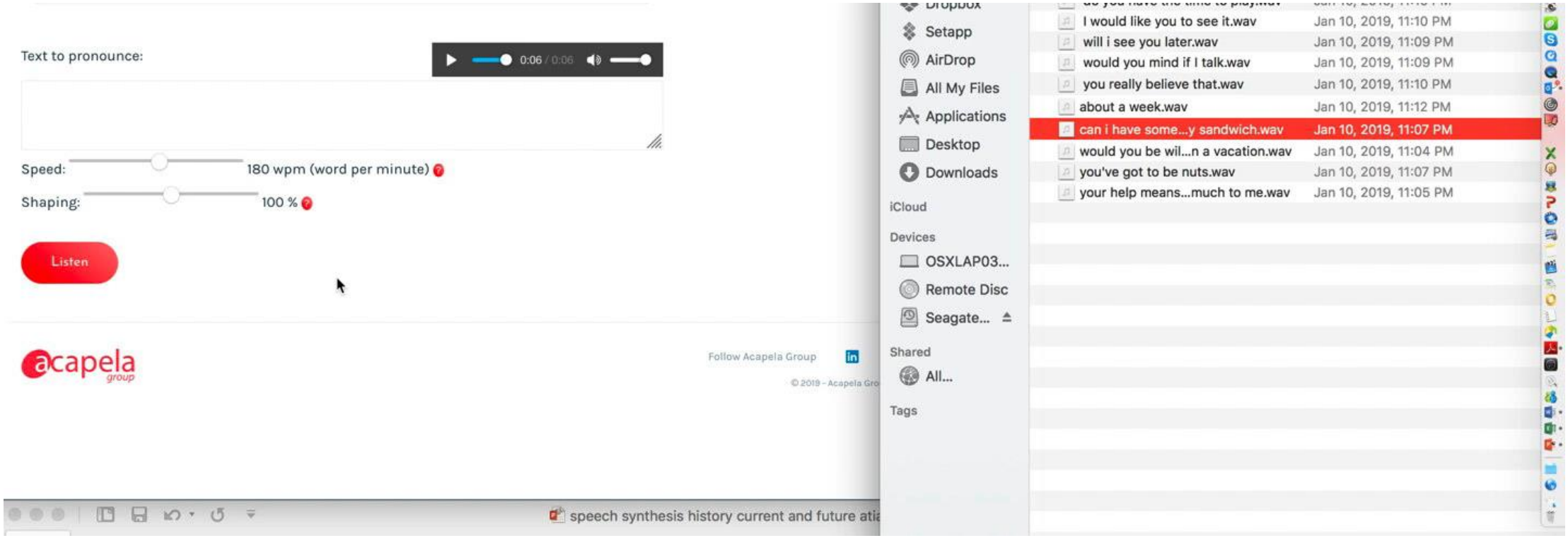
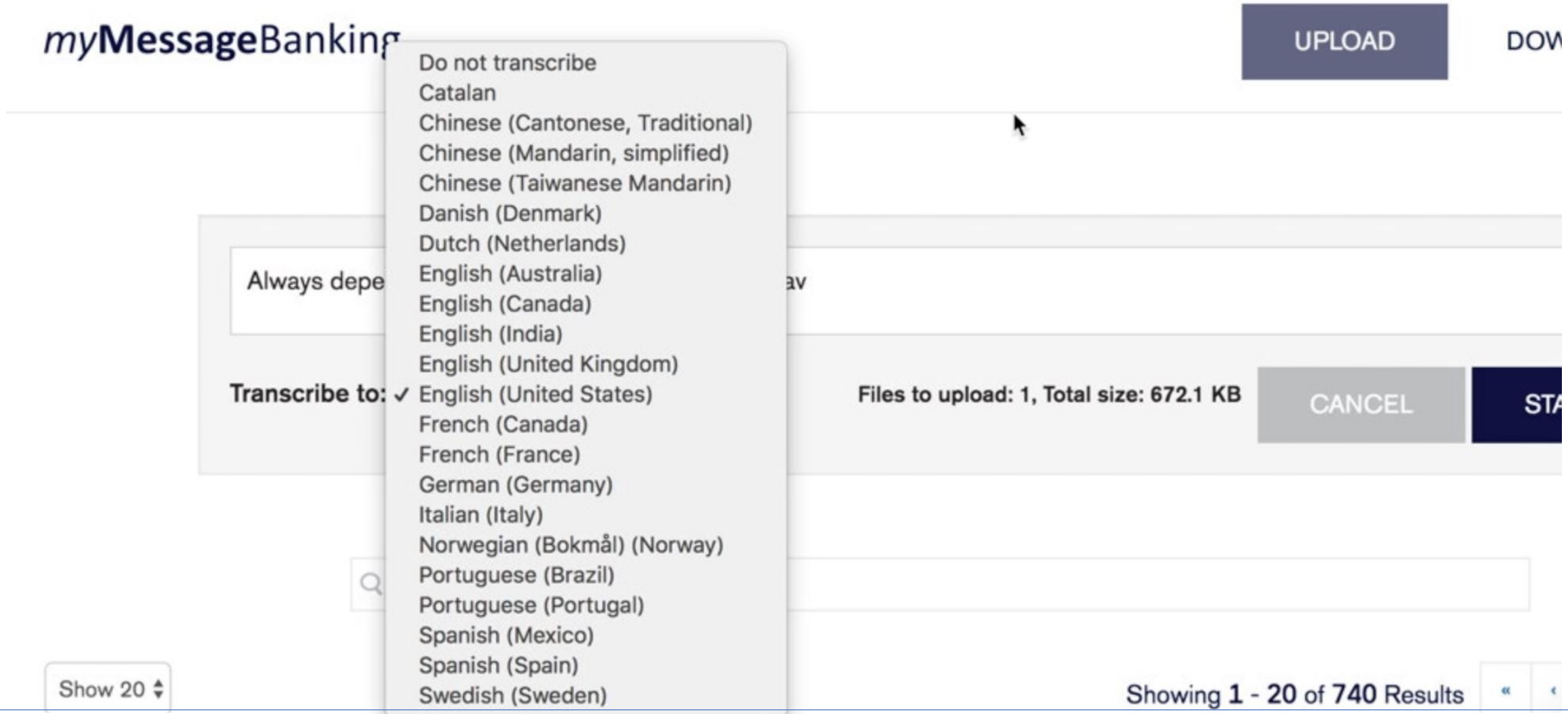
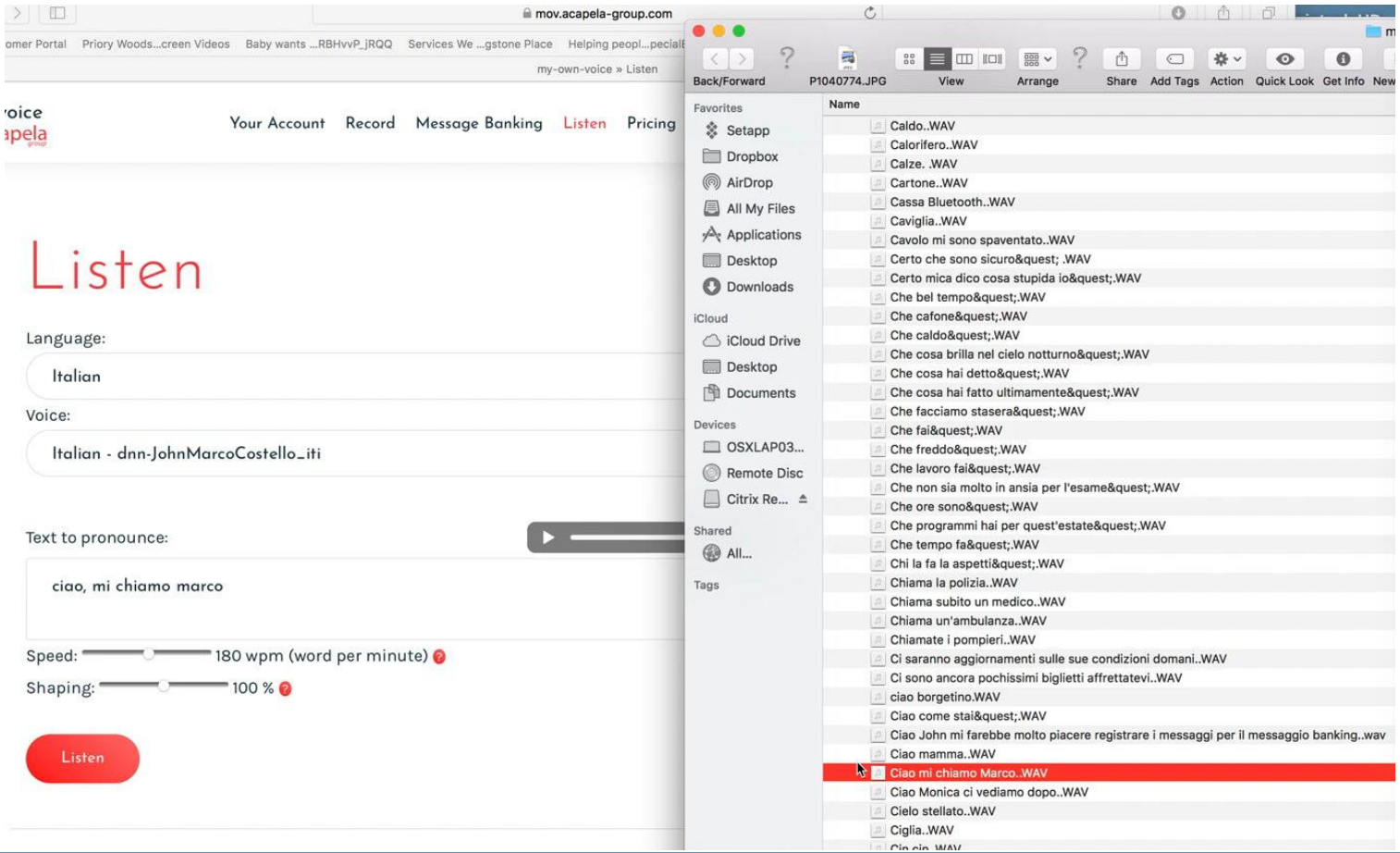
Please don’t tell someone they are “too far gone”!!



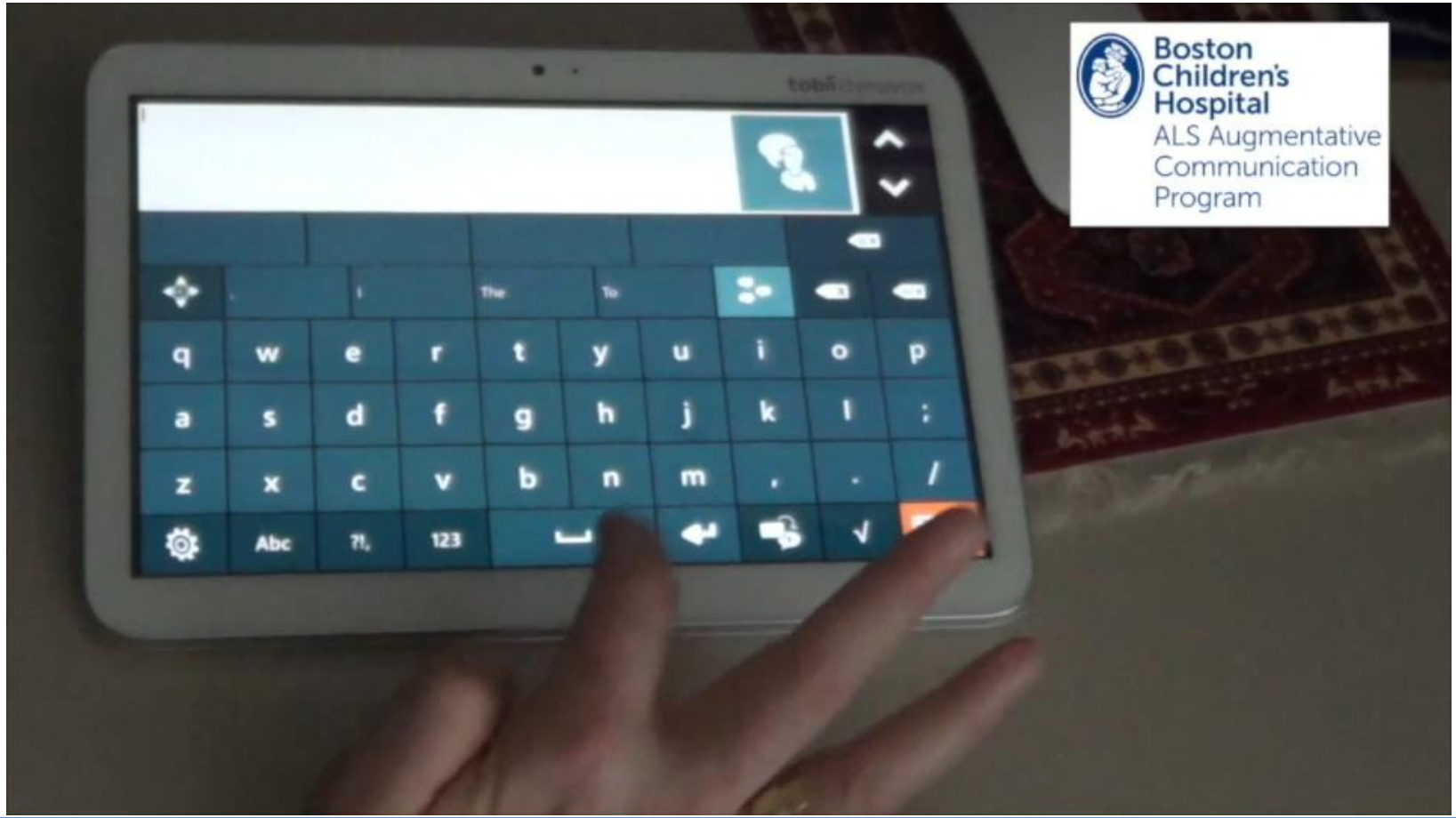
Double dip: additional language



Italian : first rollout



Functionally using custom voice and banked messages integrated together



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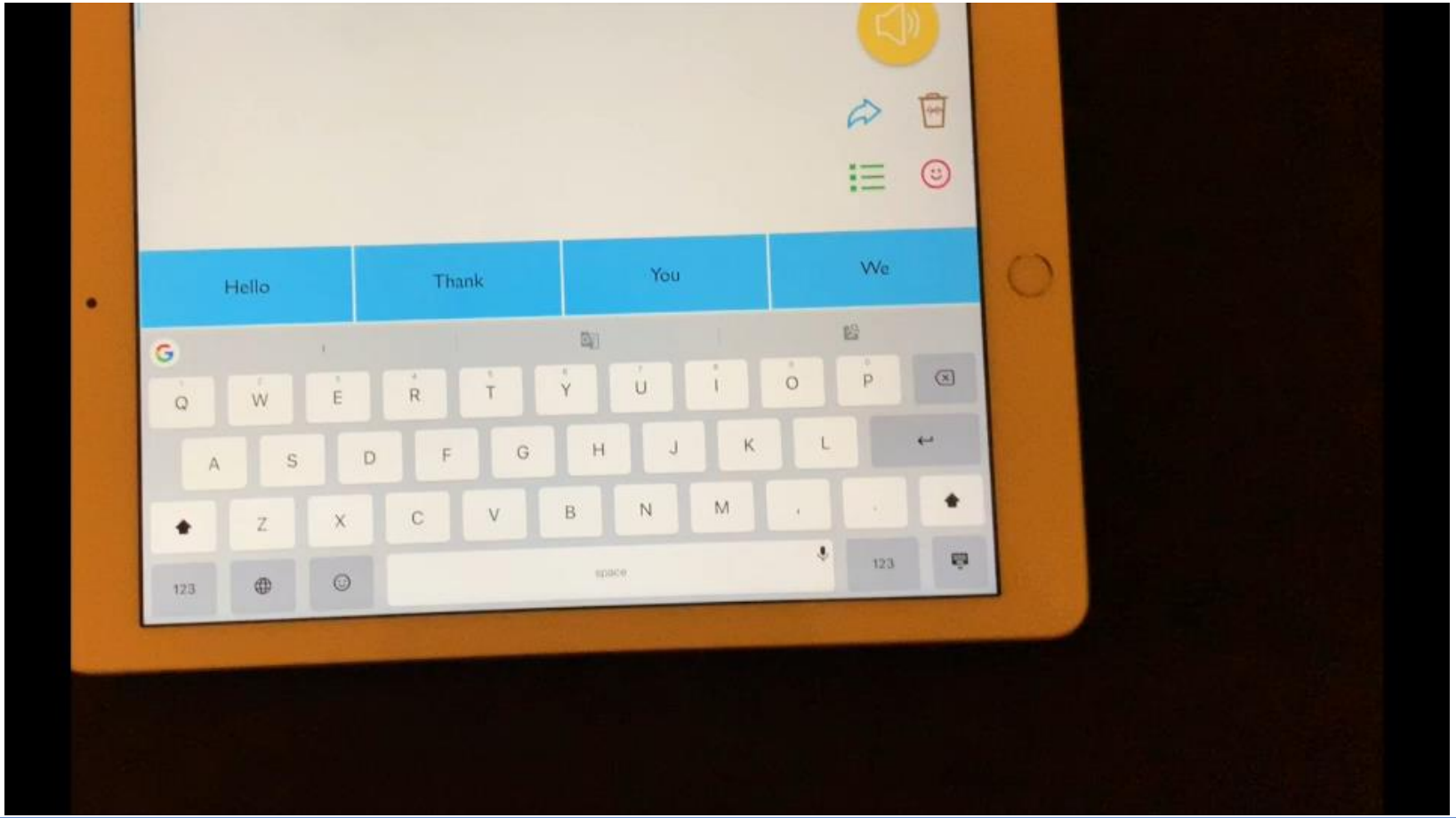

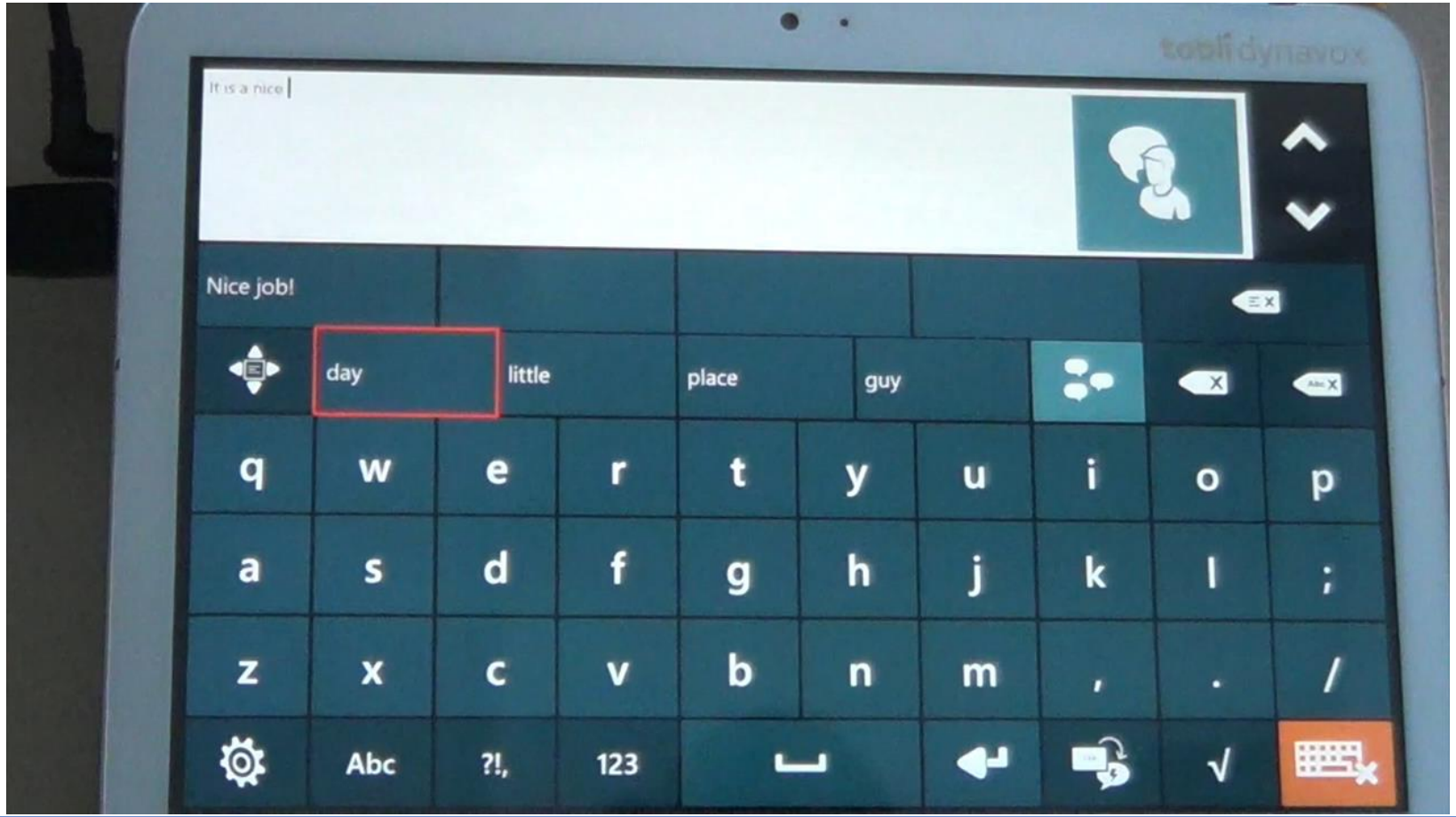

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