

## Diagnostic Category: Cerebral Palsy Discipline: Speech-Language Pathology

Reference	N	Intervention (n)	Telerehabilitation programs:	Platform & clinician's involvement	Outcomes
<b>Country</b>  <b>Study Design</b>  <b>Quality (for RCTs)</b>	<b>Sample description (dx specifics, age, gender)</b>	<b>vs.</b>  <b>Comparison (n)</b>  <b>Frequency &amp; duration</b>	<b>I. Focus</b>  <b>II. Nature</b>  <b>III. Target</b>  <b>IV. Receiving client</b>		<b>Child-related outcomes</b>  <b>Parent-related outcomes</b>  <b>(+) significant between-group differences for RCTs or within group improvements for non-RCTs</b>  <b>(-) no significant between-group differences for RCTs or within group improvements for non-RCTs</b>
Pennington et al., 2019  UK  RCT  PEDro score: 8/10 High quality	N= 22  Children with dysarthria and CP  Mean age 8.8 ± 3.2 yrs  Age range: 5-17 yrs  14M:8F	Skype dysarthria SLP (n=11)  vs.  Face-to-face SLP (n=11)  40 mins/session  3 sessions/week for 6 weeks	<b>I. Speech functions</b>  <b>II. Skype dysarthria SLP:</b> Children were taught to control exhalation and phonation to produce a clear voice in open vowels by copying the therapist's model.  Children were given external targets relating to how voice sounds, individualised to children's vocal characteristics.  Children then practised using their (loud, steady, strong) target voice in a hierarchy of speech tasks involving	Videoconference  SLP present in all sessions.	<b>At 6 weeks (post-treatment):</b>  <i>(+) Communicative performance and participation: Focus on the Outcomes of Communication Under Six (FOCUS) (Children and parents independently rated the improvement in children's speech using 7-point scale)</i> <i>(-) Speech intelligibility: Children's Speech Intelligibility Measure</i>

			<p>increasingly longer utterances, from short single words to multisyllabic words and phrases in speaking tasks involving progressively greater cognitive processing. In each session, children practised using their target voice in at least 120 utterances in four exercises: (1) 10 open vowels; (2) three productions of 10 self-selected phrases that they often use in daily life (herein familiar phrases); (3) 70–80 words and phrases from the speech task hierarchy (e.g, 70 single syllable words); and (4) random presentation of 10–20 utterances from the three preceding tasks.</p> <p>Children were also encouraged to monitor their own productions and to use internal feedback.</p> <p>Treatment as usual: Usual therapy comprised the therapy children were provided by their local therapy services, at usual dose and intensity for 6 weeks.</p> <p>III. Child</p> <p>IV. Child/youth alone</p>		
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