Supplementary table 1.  *Background information, orofacial function assessed with NOT-S, percentage consonant correct (PCC) in word naming (W) and nonword repetition (NWR) and result from auditory discrimination assessment in children with typical speech development (TSD), and children with speech sound disorder (SSD) (both childhood apraxia of speech (CAS) and speech motor delay (SMD)). P-values are*

|  |  |  |  |
| --- | --- | --- | --- |
|  | TSD n=43 | SSD n=57 | *p*-value1 |
| Age, year:month mean ± SD | 8:8 ± 1:6 | 8:4 ±2:8  | 0.051 |
| Sex, Females/ Males | 18/21 | 6/28 |  |
| Heredity for speech- language disorders % | 8 | 71 | **<0.001** |
| Babbling frequently % | 61 | 25 | **0.033** |
| Reading and writing as expected for age % | 95 | 43 | **<0.001** |
| NOT-S Total, mean ± SD | 0.28 ± 0.5  | 4±2  | **<0.001** |
| PCC-W | 100 | 65±22  | na |
| PCC -NWR | 98 ± 3  | 47±22  | **<0.001** |
| Auditory discrimination | 9 ± 0.3  | 7±2  | **<0.001** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | CAS n=34 | SMD n=23 | *p*-value1 |
| Age, year:month mean ± SD | 8:1 ±2:9  | 8:8 ±2:6 | **0.045** |
| Sex, Females/ Males | 6/28 | 6/17 | n.a. |
| Heredity for speech- language disorders % | 73.5 | 67 | 0.590 |
| Babbling frequently % | 15  | 27  | 0.356 |
| Babbling poor or none % | 65 | 50 | 0.338 |
| Reading and writing as expected for age % | 32 | 59 | 0.050 |
| Number of CAS features, mean ± SD  | 6 ±2  | 3 ±1  | **<0.001** |
| NOT-S Total, mean ± SD | 4 ±2  | 4 ±2  | 0.856 |
| PCC-W | 56 ±22  | 78 ±15  | **<0.001** |
| PCC -NWR | 39.5 ±20  | 58 ±20  | **0.003** |
| Auditory discrimination | 6 ±3  | 8 ±1.5 | **0.015** |

1The *p-v*alues are derived from Mann-Whitney U test. Statistically significant values are bolded.