

Intervention Effectiveness Study of BETter AT LEarning (BEATLE)- Digital Neuropsychological Rehabilitation Program

NCT06713863

Status	RECRUITING
Phase	Not Applicable
Sponsor	Helsinki University Central Hospital
Enrollment	312 participants

Key Eligibility Criteria

Inclusion (4)

- For inclusion, the International Classification of Diseases 10th edition (ICD-10; WHO, 2018) diagnostic criteria accompanied with Finnish Current Care Guidelines will be used as follows:
- Developmental Language Disorder Verbal reasoning skills (Verbal Reasoning Index = VCI) 1.5 standard deviations lower than average (< 78 Index points) Intact non-verbal reasoning skills (Perceptual Reasoning Index = PRI) > 84 index points) Normal or fixed to normal hearing and vision Adequate skills in Finnish: Finnish either as a native language, major household language or adequate reported performance in Finnish school system.
- Dyslexia Measured reading accuracy and comprehension two standard deviations (-2 standard deviations) lower than anticipated when the chronological age and IQ have been taken into account Normal or fixed to normal hearing and vision Adequate skills in Finnish: Finnish either as a native language, major household language or adequate reported performance in Finnish school system.
- Mixed Developmental Disorder Wide developmental and learning difficulties (69 < PRI < 84, 69 < VCI < 84) Normal or fixed to normal hearing and vision Adequate skills in Finnish: Finnish either as a native language, major household language or adequate reported performance in Finnish school system.

Exclusion (4)

- Suspicion of mild intellectual disability Both verbal and non-verbal reasoning skills more than two standard deviations lower than average (VCI & PRI < 70) Weak (-2 Standard Deviations) performance on both subtests representing fluid intelligence (Wechsler's Intelligence Scale for Children IV (WISC-IV): Matrix reasoning and Picture concepts)
- Diagnosis of Autism Spectrum Disorder
- Untreated Attention-Deficit Hyperactivity Disorder
- Unable to adequately use a a computer and/or a smartphone

Locations (2 total)

Pediatric Neurology, Helsinki University Hospital, Helsinki, Finland

Phoniatrics, Helsinki University Hospital, Helsinki, Finland