



MILD COGNITIVE IMPAIRMENT AND PRIMARY PROGRESSIVE APHASIA

Smart and Touch-ID: l'hub per la creazione di sistemi riabilitativi innovativi-smart, connessi a bisogni e territorio-touch, individualizzati-ID e sostenibili. Creazione del registro di WP5

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1 Collaborating Centers

- Fondazione Don C. Gnocchi – IRCCS S. Maria Nascente (Milano)
- Università degli Studi Milano-Bicocca (UNIMIB)
- Università Carlo Cattaneo-LIUC
- ETT Solutions
- ASTIR
- OpenLab

2 Cohort Description

Age Range: 61-83

Size N: 44 subjects

Recruitment: 2021 - ongoing

Data collection: 2021 - ongoing

Healthy controls: no

Only at-risk gene carriers included: no

Diseases studied:

Mild Cognitive Impairment (MCI)

frontotemporal dementia (non fluent/agrammatic variant of Primary Progressive Aphasia - avPPA)

Clinical Evaluation:

- Neuropsychological Assessments (tests performed): Mini Mental State Examination (MMSE) (Measso et al., 1993; Magni et al., 1996), Phonological and Semantic fluency (Carlesimo et al., 1995), Rey Auditory Verbal Learning Test (RAVLT) (Carlesimo et al., 1995), Digit Span Forward and Backward (Monaco et al., 2015), Rey-Osterrieth Figure Copy and Recall (ROCF) (Caffarra et al., 2002), Trail Making Test A and B (Giovagnoli et al., 1996), Stroop Test (Caffarra et al., 2002)
- Behavioural Assessments (tests performed): - World Health Organization Disability Assessment Schedule - WHODAS 2.0 (Federici et al., 2017)
- Other: EuroQoL 5D-5L (Balestroni et al., 2012), User Experience Questionnaire (Shrepp et al., 2017), Geneva Emotions Wheel (Scherer et al., 2013), System Usability Scale (SUS, Brooke, 1996), Technology Acceptance Model 3 (TAM3, Venkatesh & Bala, 2008), Assistive Technology Quality of Life (ATQoL, Agree & Freedman, 2011), Intrinsic Motivation Inventory (IMI, McAuley et al., 1989), Cognitive Reserve Index Questionnaire (CRIq, Nucci et al., 2011)

Imaging and Neurophysiology:

- EEG
- MRI 1.5 T
- MRI 3 T
- FDG-PET
- Amyloid PET
- Tau-PET
- DaT SPECT
- Myocardial MIBG scintigraphy

Genotyping: no

Digital Data obtained from patients through electronic devices: no
Biological Samples:

- DNA (about the 70% of patients)
- Plasma (about the 70% of patients)
- Serum (about the 70% of patients)
- Lymphocytes (about the 70% of patients)

Data Storage: database elettronico (.xlxs)