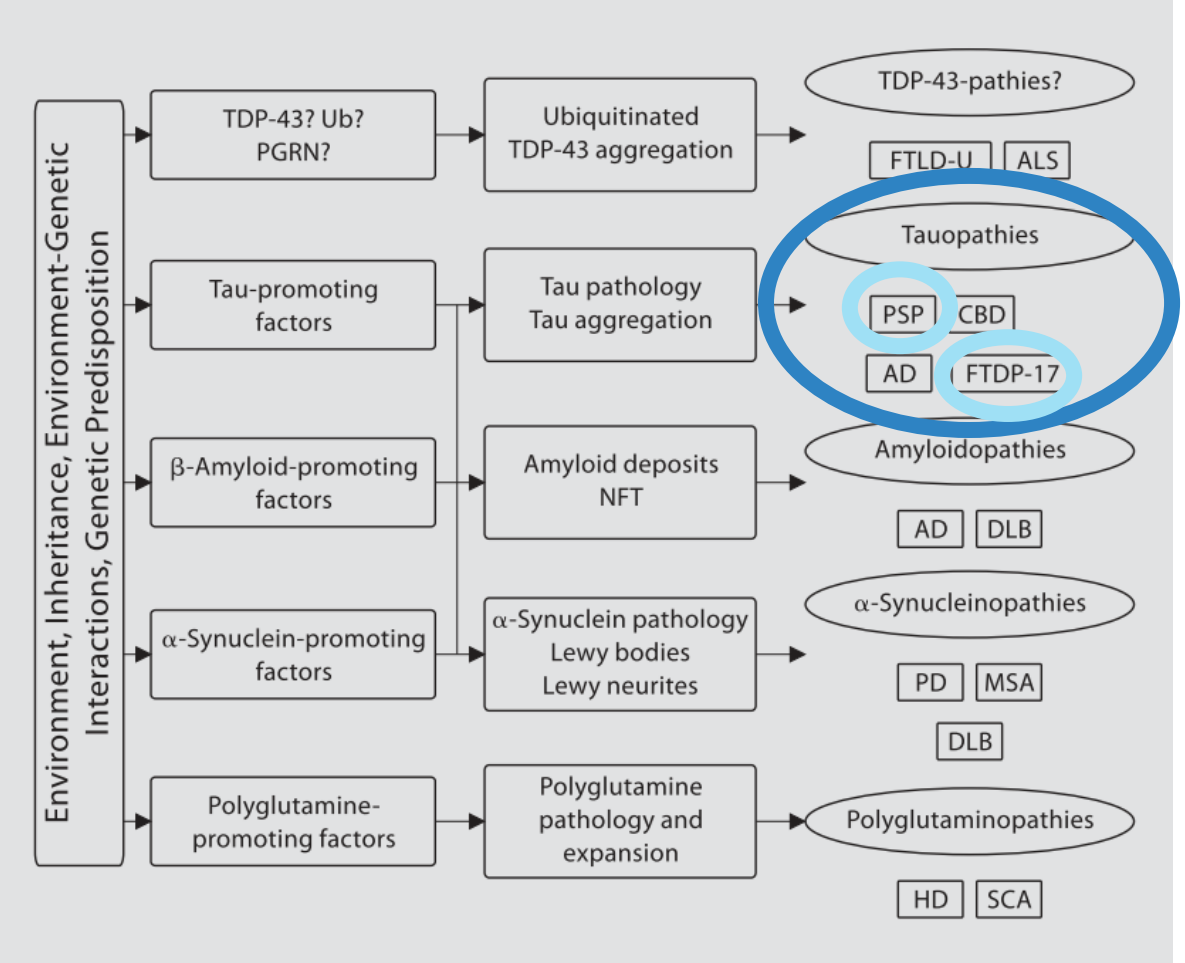
«Insight» nella demenza frontotemporale e nella paralisi sopranucleare progressiva

Uno studio retrospettivo di

A. Plutino, S. Baldinelli, C. Fiori, V. Ranaldi, M. Silvestrini, S. Luzzi

Taupatie



From Wider C, Wszolek ZK. Etiology and pathophysiology of frontotemporal dementia, Parkinson disease and Alzheimer disease: lessons from genetic studies. *Neurodegener Dis*. 2008;5(3-4):122-5.

Caratteristiche cliniche

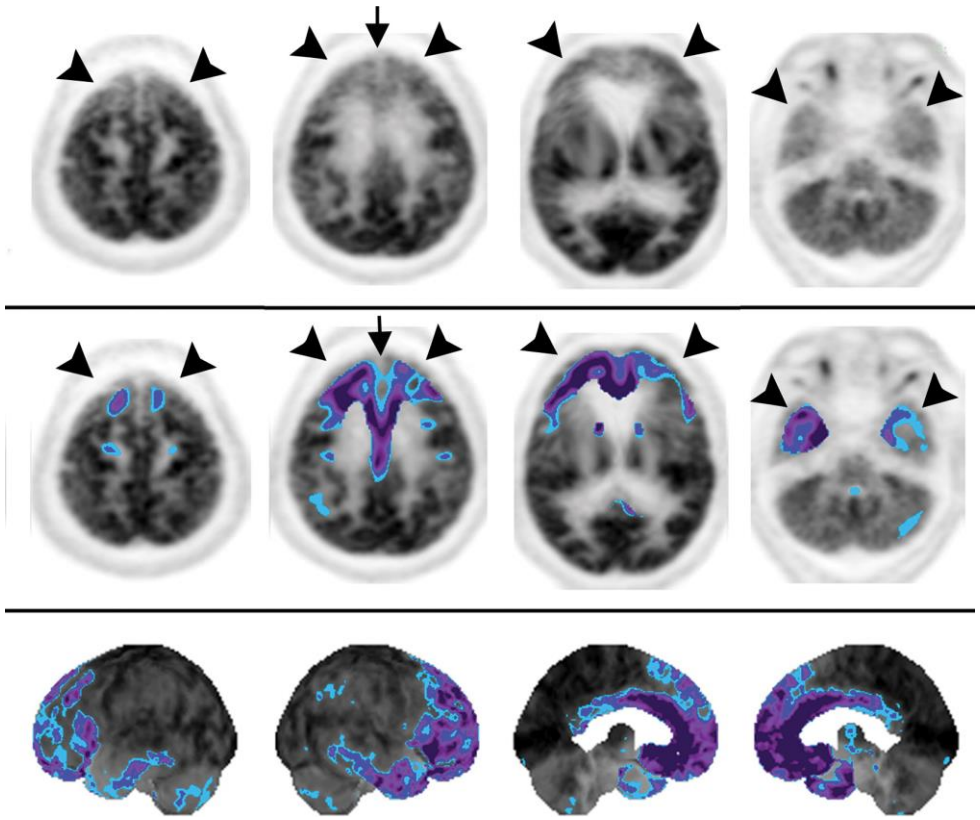
bv-FTD	PSP
Disturbo delle funzioni esecutive in presenza di relativo risparmio della memoria	Sindrome frontale
Disinibizione comportamentale	Disturbo del linguaggio
Apatia	Sindrome cortico-basale
Perdita di empatia	
Stereotipie comportamentali	
Iperoralità	

From Rascovsky K, Hodges JRJR, Knopman D, et al. Sensitivity of revised diagnostic criteria for the behavioural variant of frontotemporal dementia. *Brain*. 2011;134(Pt 9)

From Höglinger GU, Respondek G, Stamelou M, et al. Clinical diagnosis of progressive supranuclear palsy: The movement disorder society criteria. *Mov Disord*. 2017;32(6):853-864

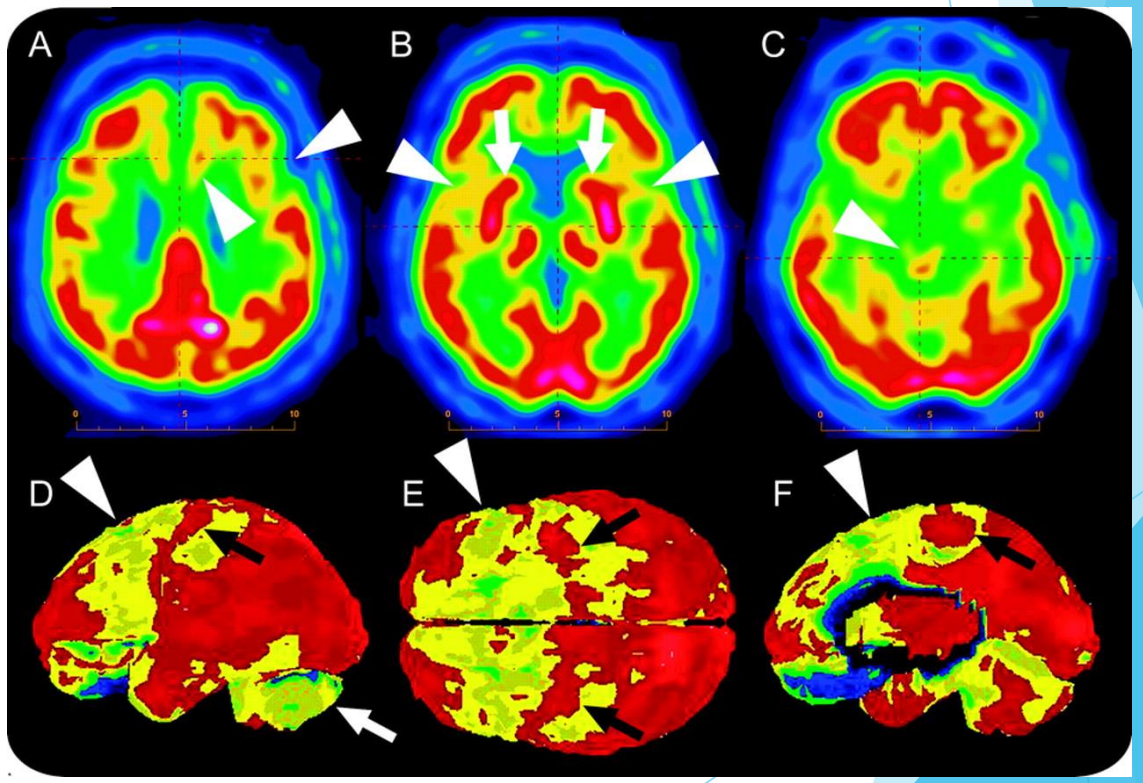
Neuroimmagini

bv-FTD



From Brown RK1, Bohnen NI, Wong KK, Minoshima S, Frey KA. Brain PET in suspected dementia: patterns of altered FDG metabolism Radiographics. May-Jun 2014, 34(3):684-701

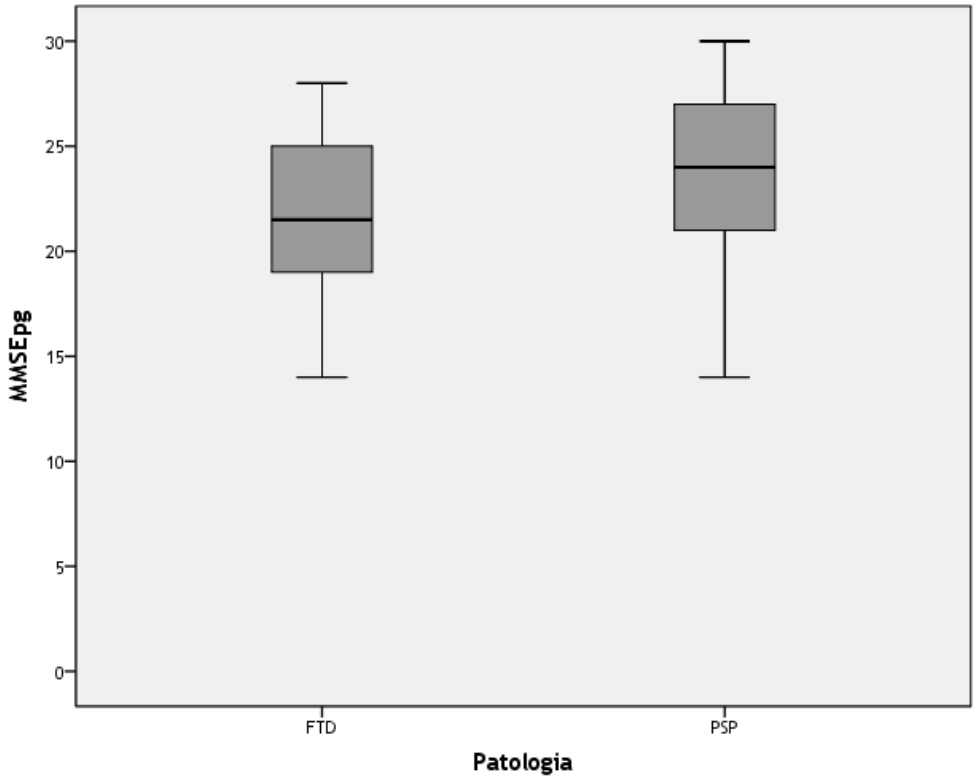
PSP



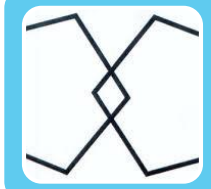
From Renard D, Collombier L, Castelnovo G, Labauge P, Teaching Neuro*Images*: FDG-PET in progressive supranuclear palsy, Neurology Apr 2010, 74 (14) e60

Demografia

Patologia	Sesso	Età	Scolarità	MMSE
bv-FTD (n=35)	M=18, F=17	67,3 (±8,6)	9,6 (±4,9)	21,6 (±3,7)
PSP (n=33)	M=15, F=18	71,5 (±6,1)	6,2 (±3,7)	23,4 (±4,2)



Valutazione neuropsicologica



Funzioni cognitivi generali

- MMSE

Funzioni esecutive

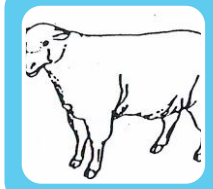
- Sequenza motoria di Luria
- Fluenza fonologica
- Matrici colorate progressive di Raven (RPCM)

Attenzione

- Test di Stroop

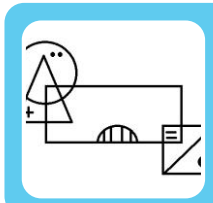
Memoria

- Figura B di Rey (RBF)
- Test delle 15 parole di Rey (AVTL)
- Digit Span
- Cubi di corsi



Linguaggio

- Denominazione
- Lettura
- Matching



Prassia costruttiva

- Copia della figura B di Rey

Prassie

- Test di De Renzi

Gnosie

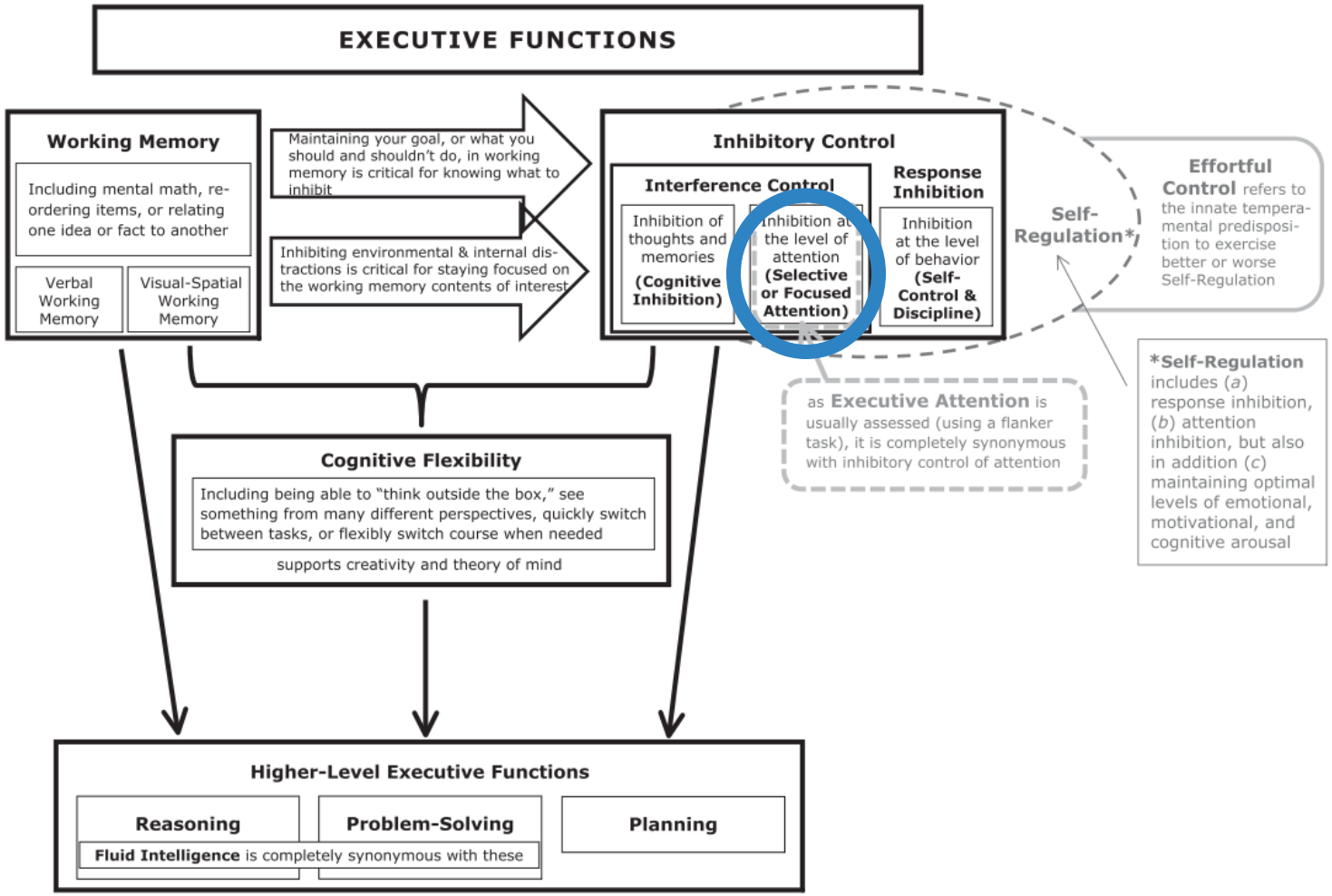
- Figure sovrapposte di Laila Ghent

Statistica inferenziale (parte I)

Test neuropsicologico	Test statistico	Significativà
Copia RBF	t=1.666	p=0.776
Richiamo immediato RBF	Z=-2.108	**p=0.035**
Richiamo differito RBF	Z=-2.317	**p=0.021**
Richiamo immediato AVTL	t=-0.584	p=0.562
Richiamo differito AVTL	Z=-0.557	p=0.578
Cubi di Corsi	Z=-0.663	p=0.507
Digit Span	Z=-0.376	p=0.707
Fluenza semantica	t=-1.542	p=0.128
Prassia mano dominante	Z=-1.383	p=0.167
Prassia mano non dominante	Z=-0.993	p=0.321
Denominazione	Z=-1.964	**p=0.050**
Figure di LG	Z=-0.216	p=0.829

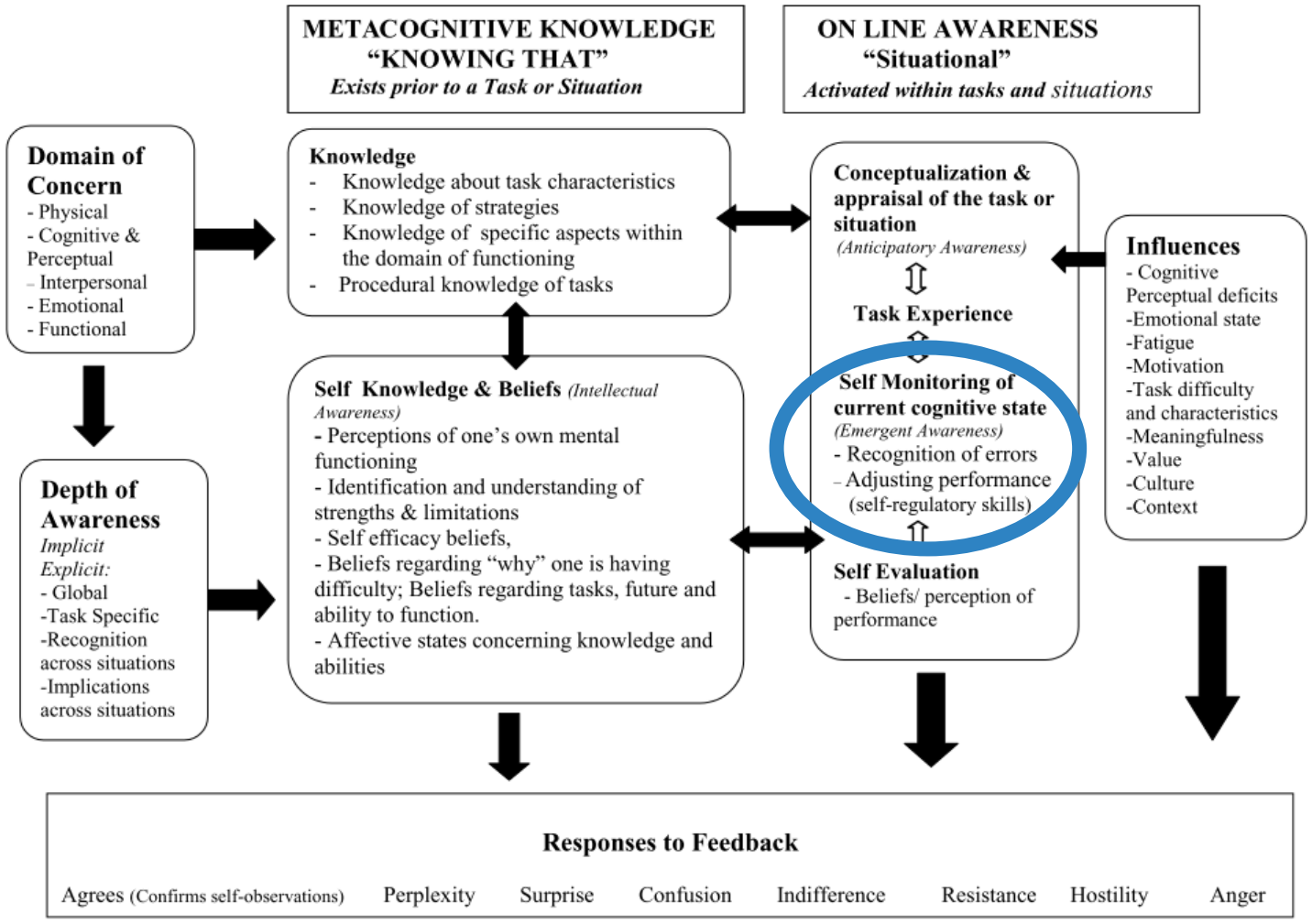
Migliori performance da parte dei soggetti con PSP

Funzioni esecutive



From Diamond A. Executive functions. *Annu Rev Psychol*. 2013;64:135-168.

Insight



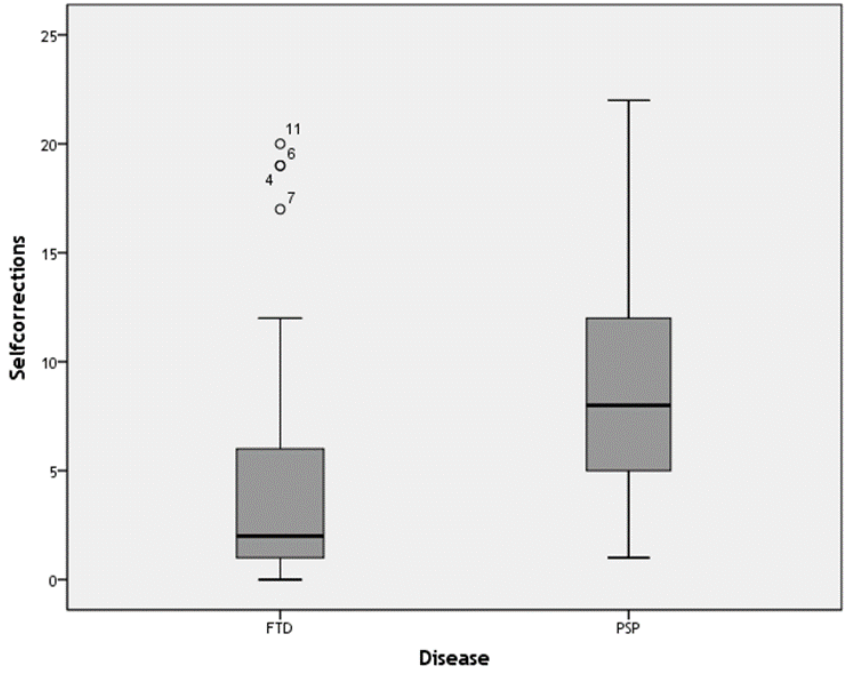
From Toglia JP, Kirk U. Understanding awareness deficits following brain injury. *Neuro Rehabil*. 2000;15(1):57-70.

Statistica inferenziale (parte II)

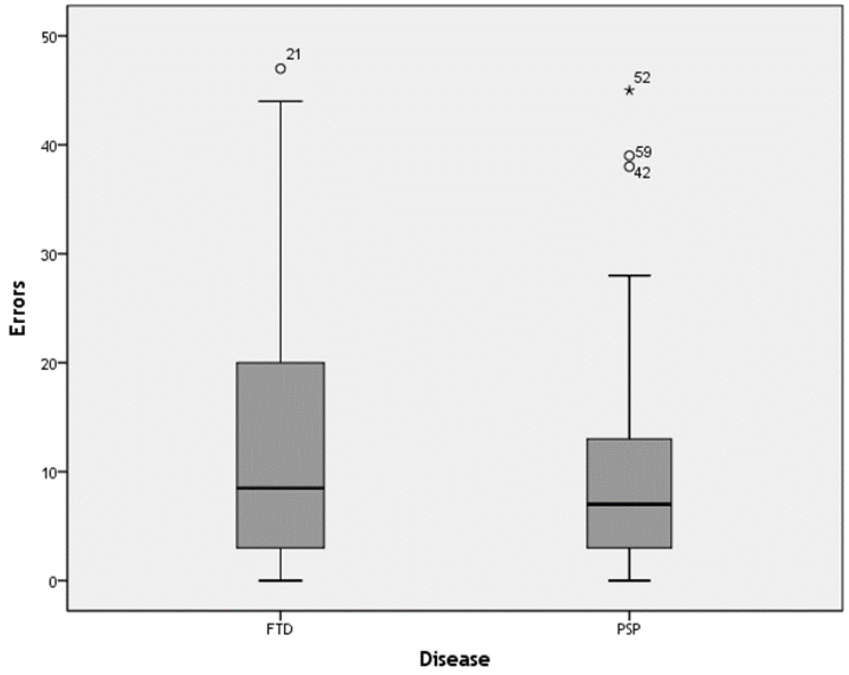
Test neuropsicologico	Test statistico	Significativà
MPCR	t=-0.286	p=0.776
Sequenze di Luria	Z=-0.829	p=0.407
Stroop Test I parte	Z=-0.586	p=0.776
Stroop Test II parte	Z=-1.547	p=0.122
Stroop Test II parte – I parte	Z=-1.517	p=0.129
Stroop Test II parte autocorrezioni	Z=-3.536	**p<0.001**
Stroop Test II parte errori	Z=-1.108	p=0.707
Fluenza fonemica	Z=-0.71	p=0.994

Stroop test (parte II – attenzione selettiva)

Autocorrezioni

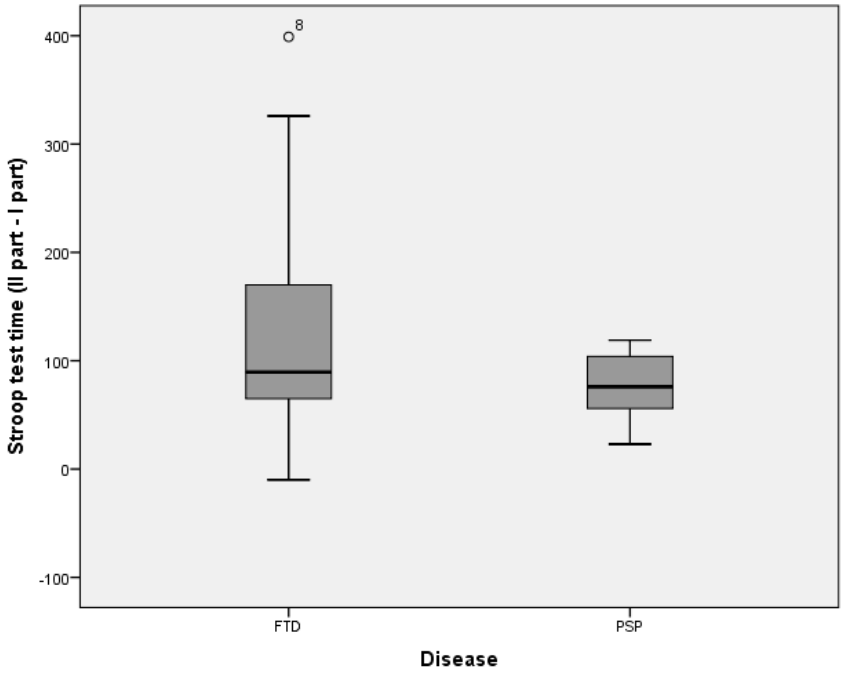


Errori

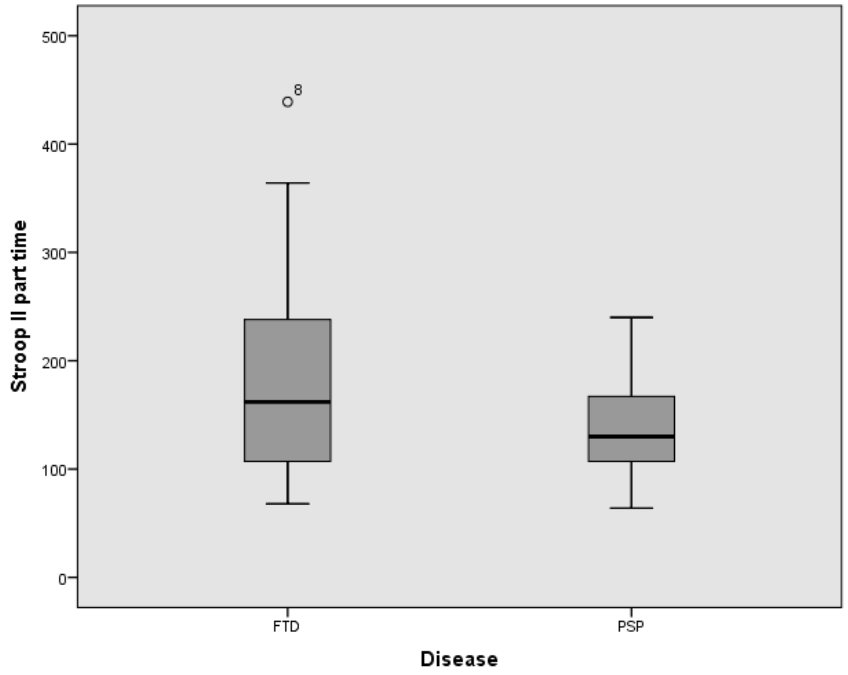


Stroop test (parte II – attenzione selettiva)

Differenza II parte – I parte



Tempo II parte



Conclusioni

Pattern cognitivo, in particolar modo per le funzioni esecutive, similare

Differenza statisticamente significativa in un item che misura l'online awareness

Il numero di errori, il tempo impiegato e la differenza tra i tempi sono sovrapponibili nelle due prove

L'insight ed in particular modo l'online awareness sono selettivamente colpiti nella bv-FTD rispetto alla PSP (O'Keeffe et al. 2007)

Alcuni regioni come la corteccia frontale dorso-laterale e le strutture paralimbiche sono maggiormente colpite nella bv-FTD rispetto ad altre patologie degenerative (Rankin et al. 2005)

SINdem4Juniors

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Recent Advances in Clinical and Experimental Research on Dementia and Neurodegenerative Disorders

Organized by SINdem4Juniors Young Members Executive Committee of The Italian Neurological Dementia Association

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Dolomiti – Sud Tirol

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January 23-25, 2019
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Deadline for abstract submission and for young moderators call
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Contamination Session

January 23th

Paleoneurology and the Evolution of the Mind
Emiliano Bruner (Burgos, Spain)

Is Alzheimer's Disease a Uniquely Human Disorder?
Lorena Sordo (Edinburgh, UK)

The Infectious Etiology of Alzheimer's Disease
Richard Lathe (Edinburgh, UK)

Mind Uploading: Transferring Memories between Brains
Tomás Ryan (Dublin, Ireland)

Scientific Session

January 24th

Esperimental Workshop: Lost in Space – Topographic and spatial skills for environmental navigation
Laura Serra (Rome), *Andrea Arighi* (Milan)

Tau PET: Present and Future
Luca Passamonti (Cambridge, UK)

Anti-Tau and anti-Abeta: Updates on Clinical Trials in AD

Debate
IWG and NIAA: which Criteria to use?
Philip Scheltens (Amsterdam, Netherlands)
Bruno Dubois (Paris, France)

January 25th

Superagers: Genetics or Chance?
Henne Holstege (Amsterdam, Netherlands)

Clinical Aspects of Progressive Aphasias
Thomas Bak (Edinburgh, UK)

Debate
DLB & PD: do they share the Same Genetic Background?
Marialuisa Quadri (Rotterdam, Netherlands)
Cornelis Blauwendraat (Bethesda, USA)

Symposium

Bridging the gap between neuroimmunology and neurodegeneration

January 25th

What can we learn from Imaging of Neuroinflammation?
Alessandro Colasanti (Brighton, UK)

White Matter as a Bridge between Neuroinflammation and Neurodegeneration
Marco Bozzali (Brighton, UK)

HIV and Cognitive Decline: a Model for Neuroinflammation
Sofia Toniolo (Oxford, UK)

Neuroinflammation in Parkinson's Disease
Anke van der Perren (Leuven, Belgium)

Grazie per l’attenzione