

PRAGMATICA DEL LINGUAGGIO NELLA DEMENZA FRONTOTEMPORALE E NELLA MALATTIA DI ALZHEIMER

Dr.^{ssa} Sara Baldinelli



PRAGMATICA DEL LINGUAGGIO



METAFORE

UMORISMO

INFERENZE

RICHIESTE

PROSODIA

PRAGMATICA DEL LINGUAGGIO

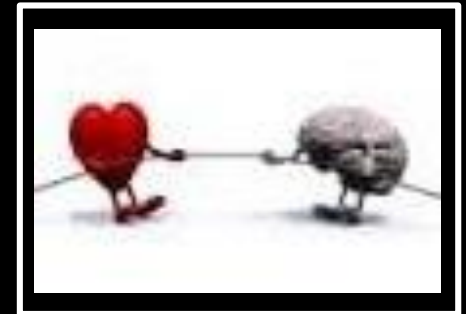
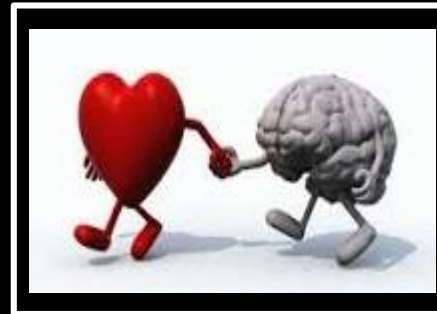
METAFORE

UMORISMO

INFERENZE

RICHIESTE

PROSODIA



PRAGMATICA DEL LINGUAGGIO

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RICHIESTE

PROSODIA



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METAFORE

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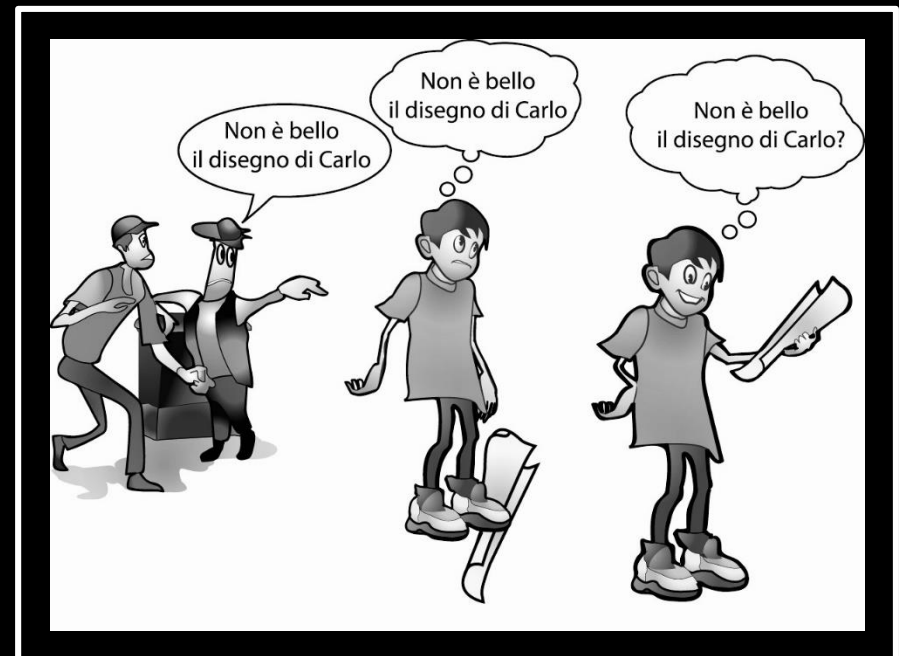
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OSSERVAZIONE CLINICA



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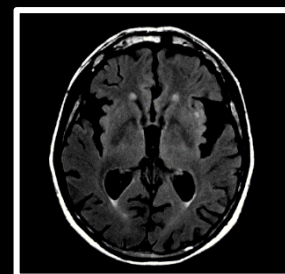
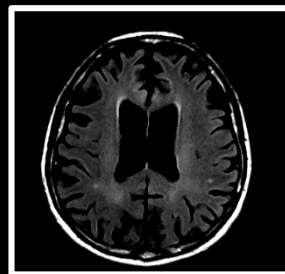
APPROVED



bv-FTD



AD



IPOTESI DI LAVORO

***PROFILO DIFFERENTE
DI COMPROMISSIONE***



bv-FTD versus AD

IPOTESI DI LAVORO

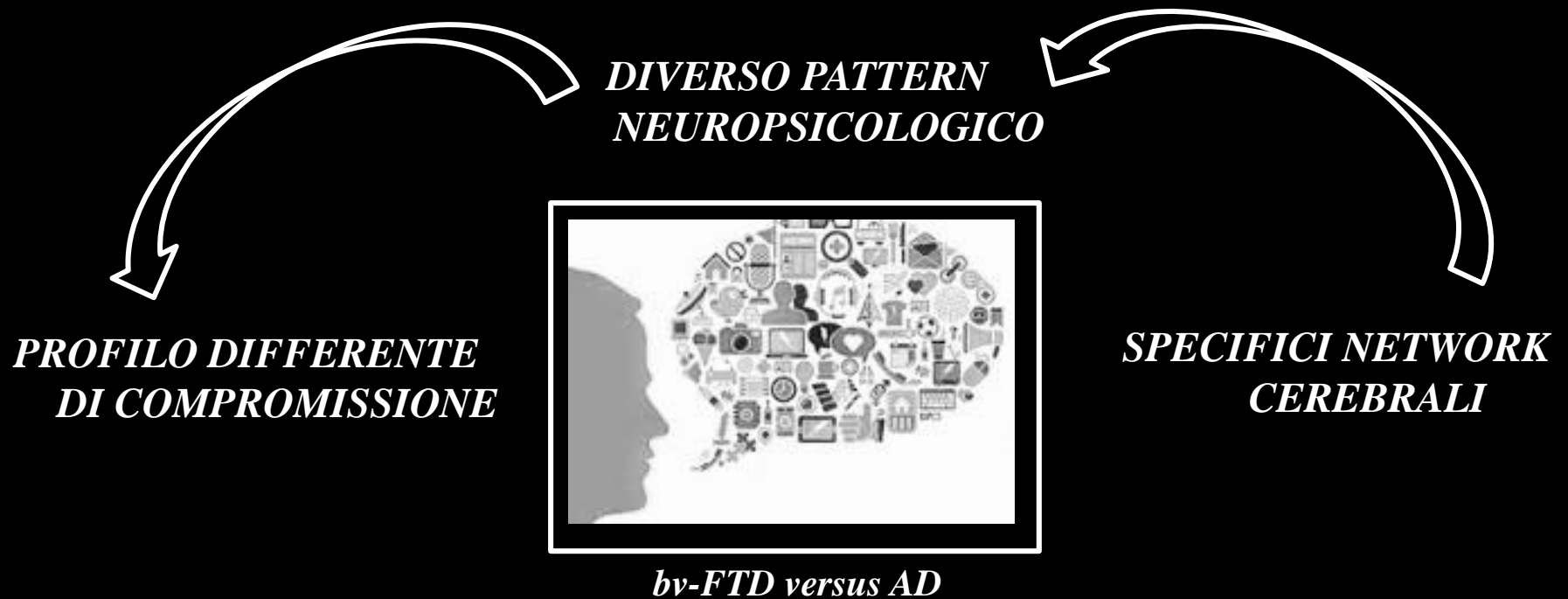
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NEUROPSICOLOGICO***

***PROFILO DIFFERENTE
DI COMPROMISSIONE***

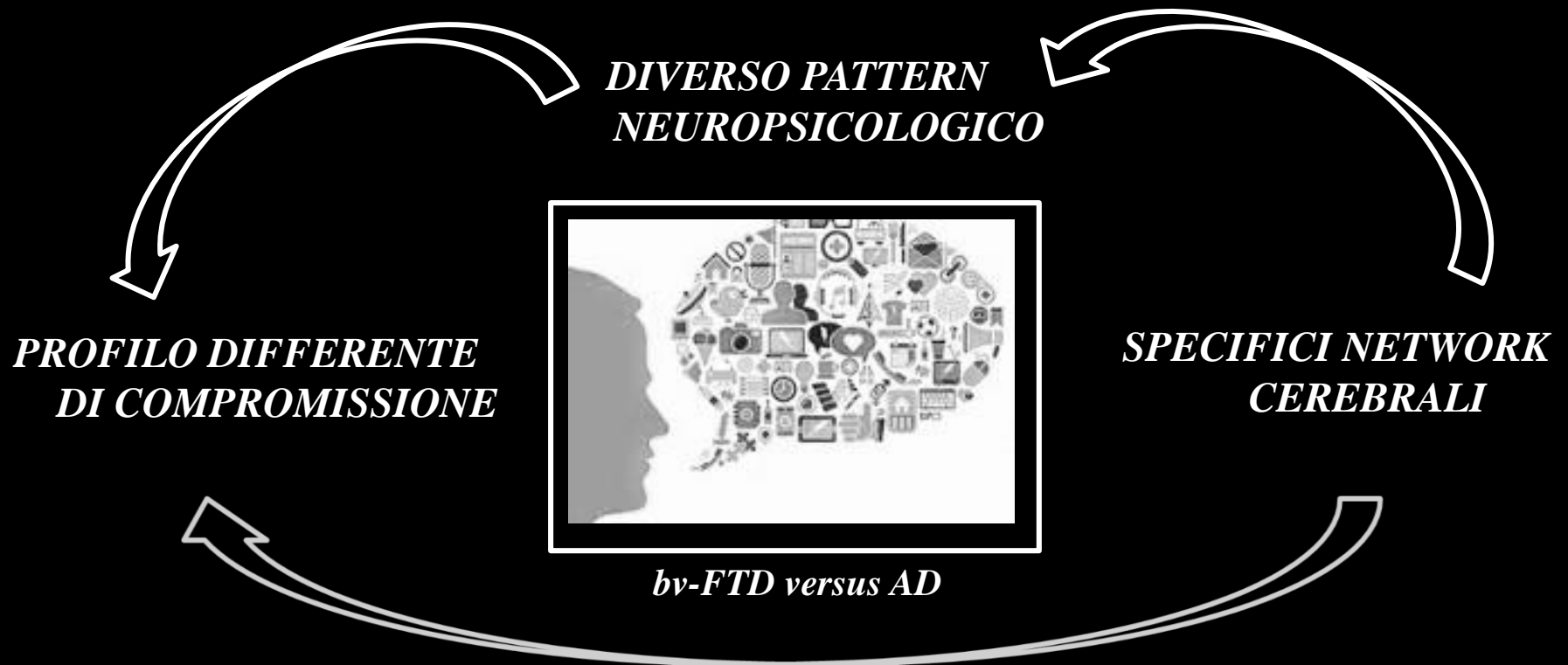


bv-FTD versus AD

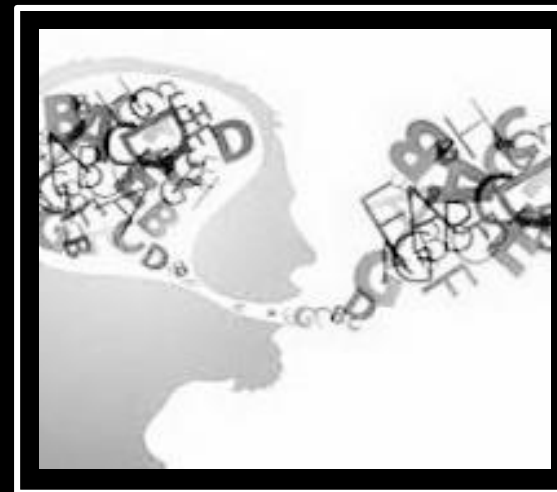
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IPOTESI DI LAVORO



PRAGMATICA DEL LINGUAGGIO



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Journal of Pragmatics 34 (2002) 487–506

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Literal vs. figurative language: Different or
equal?

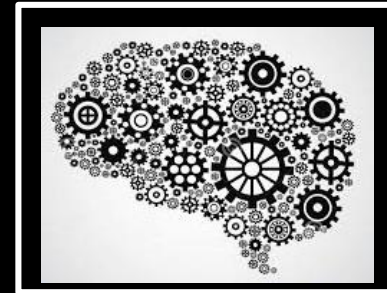
Rachel Giora

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PRAGMATICA DEL LINGUAGGIO



versus



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Understanding metaphors: Is the right hemisphere uniquely involved? [☆]
Natalie A. Kacitnik ^{1,2,*}, Christine Chiarello ³
¹Center for Neuroscience, University of California, 216A Shreve Dr., Davis, CA 95616-8704, USA
²University of California, Riverside, USA
Accepted 10 October 2006
Available online 1 December 2006

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Right hemisphere metaphor processing? Characterizing the lateralization of semantic processes [☆]
Green L. Schmidt ¹, Casey J. DeRose, Carol A. Seger
¹Department of Psychology, Colorado State University, Fort Collins, CO 80523-2076, USA
Accepted 1 March 2006
Available online 4 April 2006

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NeuroImage
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NeuroImage 29 (2006) 536–544

Metaphorical vs. literal word meanings: fMRI evidence against a selective role of the right hemisphere
Susan S. Lee and Mirella Dapretto^{*}
¹Stanford University Brain Mapping Center, Department of Psychiatry and Behavioral Sciences, UCLA, 609 Charles Young Drive South, Los Angeles, CA 90095, USA
Received 11 April 2005; revised 27 July 2005; accepted 1 August 2005
Available online 13 September 2005

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Research Report
A special role for the right hemisphere in metaphor comprehension?
ERP evidence from hemifield presentation
Searna Coulson^{1,*}, Cyma Van Petten²
¹Cognitive Science, University of California, San Diego, Mail Code 0521, 9500 Gilman Drive, La Jolla, CA 92093, USA
²Psychology, University of Arizona

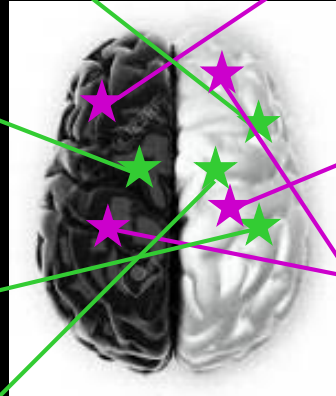
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Published in final edited form as:
J Int Neuropsychol Soc. 2010 January; 16(1): 1–5. doi:10.1017/S1355617709990543.

Beyond Laterality: A Critical Assessment of Research on the Neural Basis of Metaphor
Gwenda L. Schmidt, Alexander Kranjec, Eileen R. Cardillo, and Anjan Chatterjee
University of Pennsylvania, Center for Cognitive Neuroscience, Philadelphia, Pennsylvania

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Brain and Language 98 (2006) 12–25
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Neuropragmatics: Extralinguistic pragmatic ability is better preserved in left-hemisphere-damaged patients than in right-hemisphere-damaged patients
Ilaria Cutica ¹, Monica Bucciarelli, Bruno G. Bara
¹Center for Cognitive Science and Department of Psychology, University of Turin via P.le 14 10122, Italy
Accepted 4 January 2006
Available online 28 February 2006

PRAGMATICA DEL LINGUAGGIO



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Cognitive Brain Research 28 (2004) 191–192

Research report

Neural correlates of metaphor processing

Alexander M. Rapp^{a,b,*}, Dirk T. Leube^a, Michael Erb^b, Wolfgang Groll^a, Tilo T.J. Kircher^a

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NeuroImage

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NeuroImage 21 (2004) 1935–1940

Neural correlates of humor detection and appreciation

Joseph M. Moran, Gagan S. Wig, Reginald B. Adams Jr., Petr Janata, and William M. Kelley^{*}

Department of Psychological and Brain Sciences, Center for Cognitive Neuroscience, Dartmouth College, Hanover, NH 03755, USA

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Brain & Language 107 (2008) 194–202

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Brain & Language

journal homepage: www.elsevier.com/locate/bsl

Functional-anatomical organization of predicate metaphor processing

Evan Chen, Page Widick, Anjan Chatterjee^{*}

Department of Neurology, University of Pennsylvania, 3 10 Gates Building, 3800 Spruce Street, Philadelphia, PA 19104, USA

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Brain Research 1184 (2008) 115–124

Research Report

Neural substrates of sarcasm: A functional magnetic-resonance imaging study

Hiroaki Uchiyama^a, Ayumi Seki^a, Hiroko Kagayama^a, Daisuke N. Saito^a, Tatsuya Koeda^a, Koussaku Ohno^a, Norihiro Sadato^{a,b,c,d}

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Brain Research 1184 (2008) 115–124

Research Report

Neural mechanisms involved in the comprehension of metaphoric and literal sentences: An fMRI study

Midori Shibata^{a,*}, Jun-ichi Abe^a, Atsushi Terao^a, Tamaki Miyamoto^b

^aDepartment of Psychology, Hokkaido University, Kita 10, Nishi 7, Kita-ku, Sapporo, 060-0810, Japan

^bBrain Function Research Laboratory, Hokkaido University Graduate School of Medicine, Sapporo 060-0838, Japan

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Research Report

Neural substrates of irony comprehension: A functional MRI study

Midori Shibata^a, Akira Toyomura^a, Hiroaki Itoh, Jun-ichi Abe

Department of Psychology, Hokkaido University, Kita 10, Nishi 7, Kita-ku, Sapporo, 060-0810, Japan

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Brain and Language 106 (2007) 115–120

An fMRI investigation of the neural correlates underlying the processing of novel metaphoric expressions

N. Mashal^{a,b,*}, M. Faust^{a,b}, T. Hendler^{a,c,d}, M. Jung-Beeman^e

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^bDepartment of Psychology, Bar-Ilan University, Israel

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^eDepartment of Psychology and Cognitive Brain Mapping Group, Northwestern University, Evanston, IL, USA

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Segregating the comprehension and elaboration processing of verbal jokes: An fMRI study

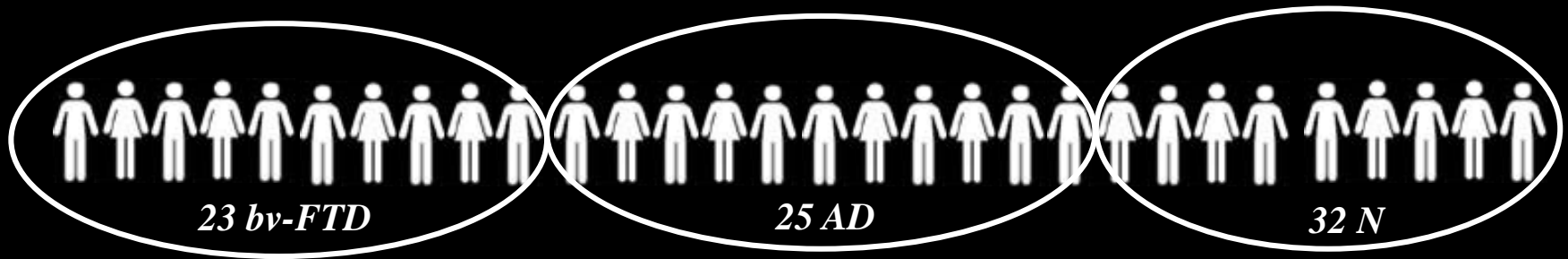
Yu-Chen Chan^a, Tai-Li Chou^{b,c,d}, Hsueh-Chih Chen^{a,e}, Keng-Chen Liang^{b,c,d}

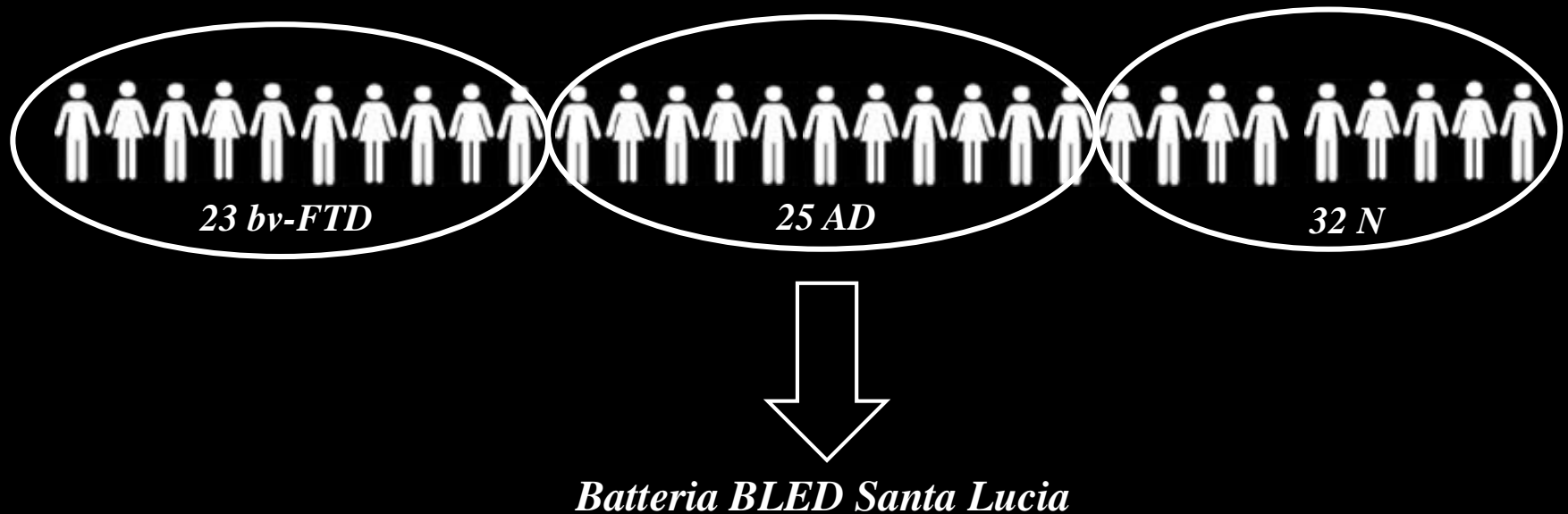
^aDepartment of Educational Psychology and Counseling, National Taiwan Normal University, Taiwan

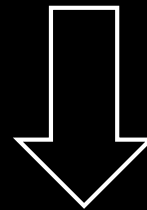
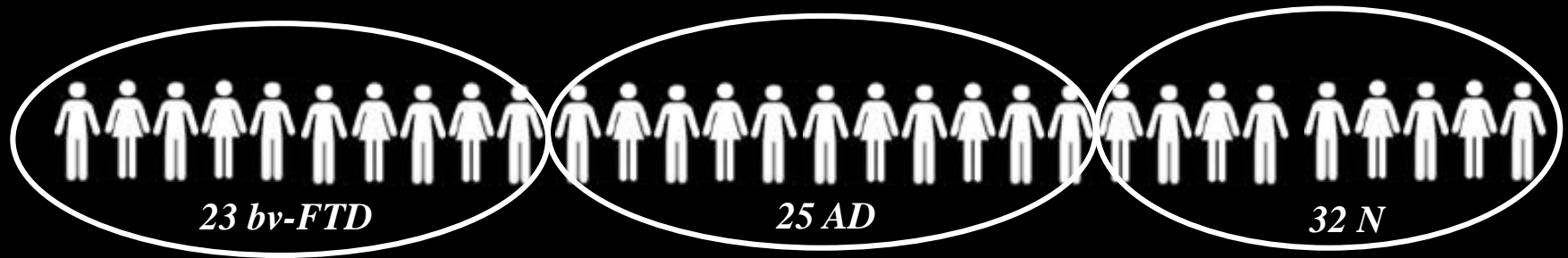
^bDepartment of Psychology, National Taiwan University, Taiwan

^cNeurobiology and Cognitive Science Center, National Taiwan University, Taiwan

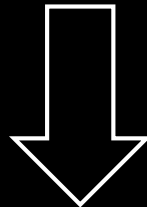
^dGraduate Institute of Brain and Mind Sciences, National Taiwan University, Taiwan



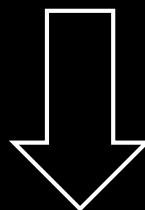
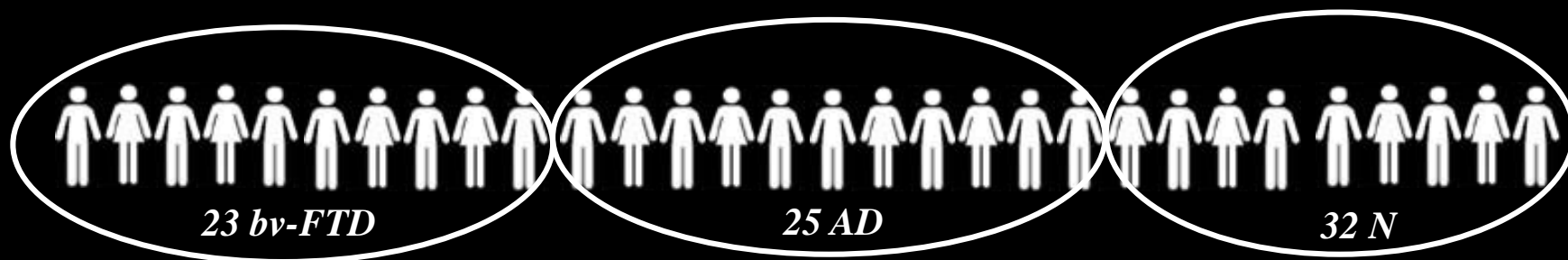




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[¹⁸F]FDG - PET cerebrale



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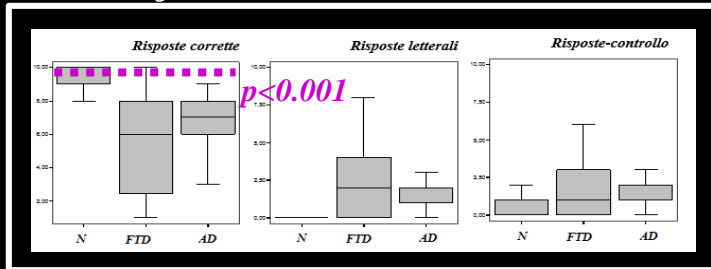
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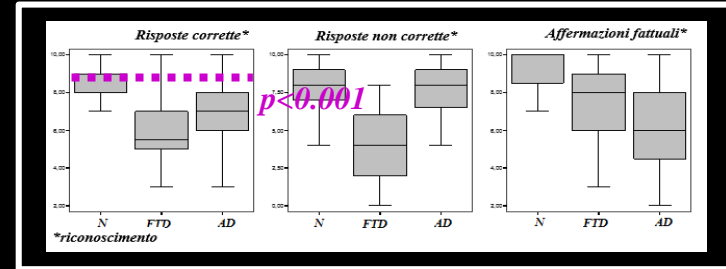
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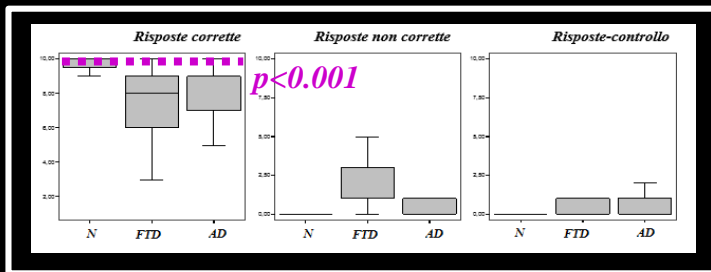
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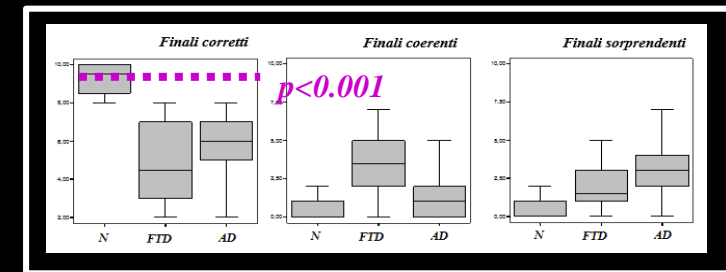
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Richieste

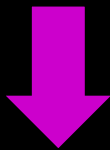


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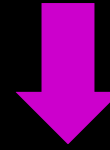


Pragmatica del linguaggio

bv-FTD



AD



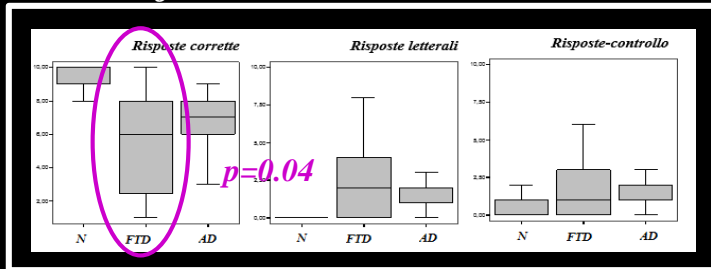
Prosodia: n.s.

Mann-Whitney; Kruskal-Wallis

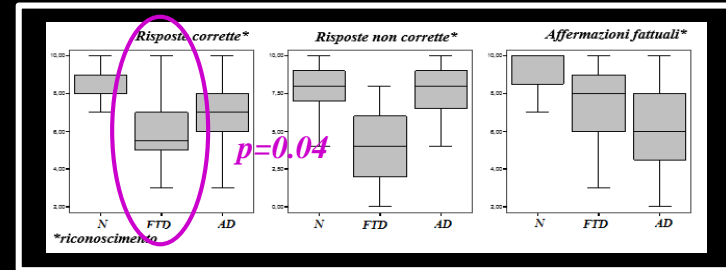
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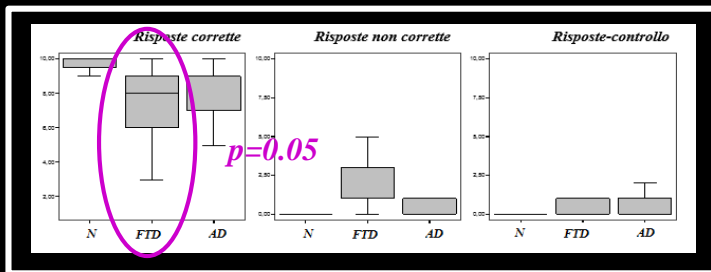
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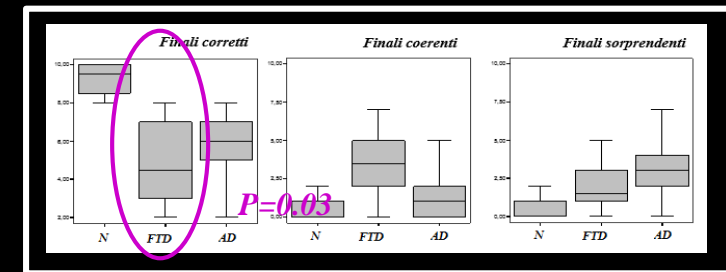
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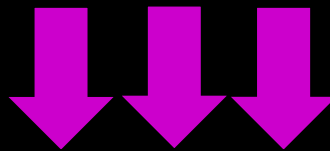


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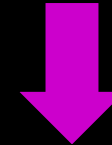


Pragmatica del linguaggio

bv-FTD



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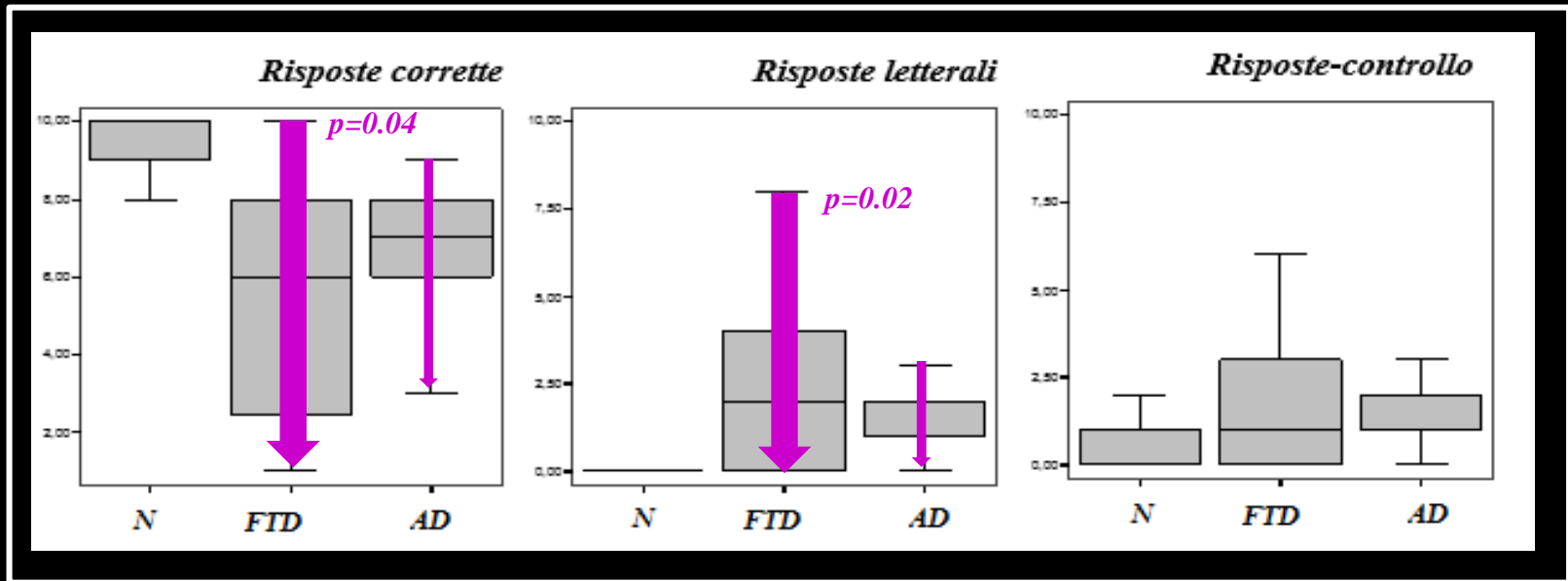


Prosodia: n.s.

Mann-Whitney; Kruskal-Wallis

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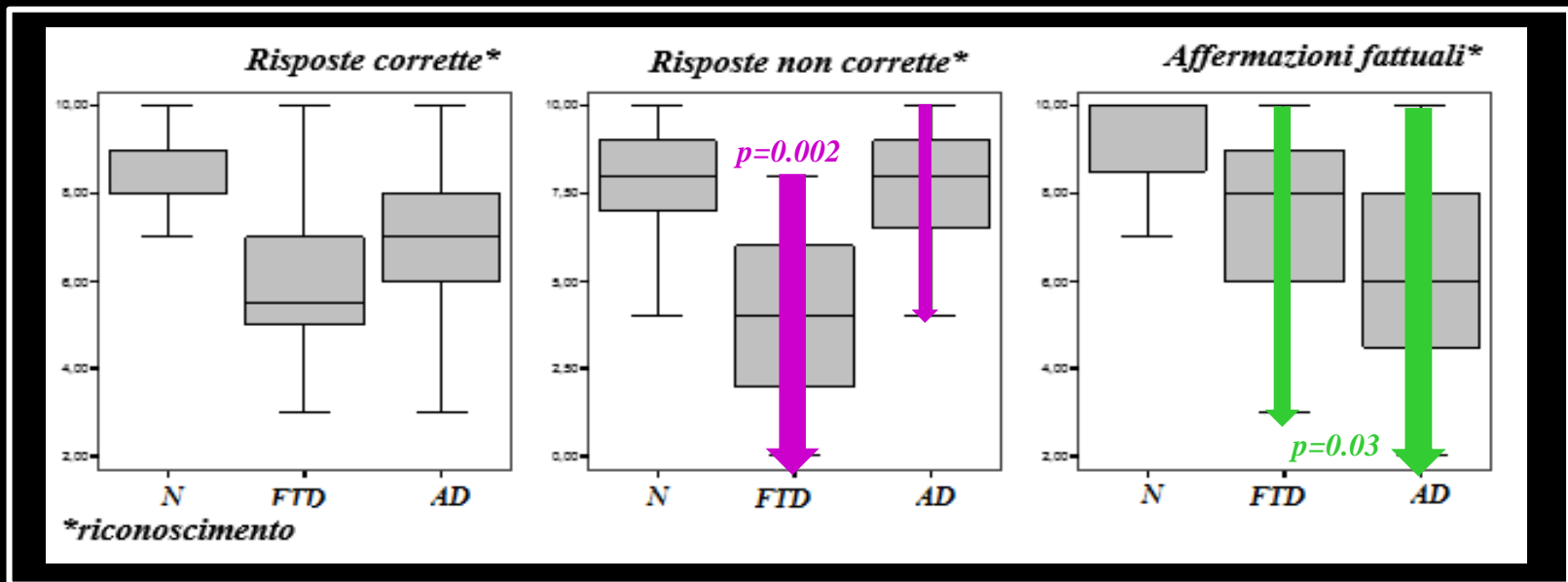
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Mann-Whitney; Kruskal-Wallis

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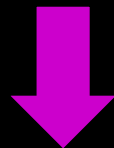
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Inferenze

bv-FTD

*Riconoscimento
risposte non
corrette*



AD

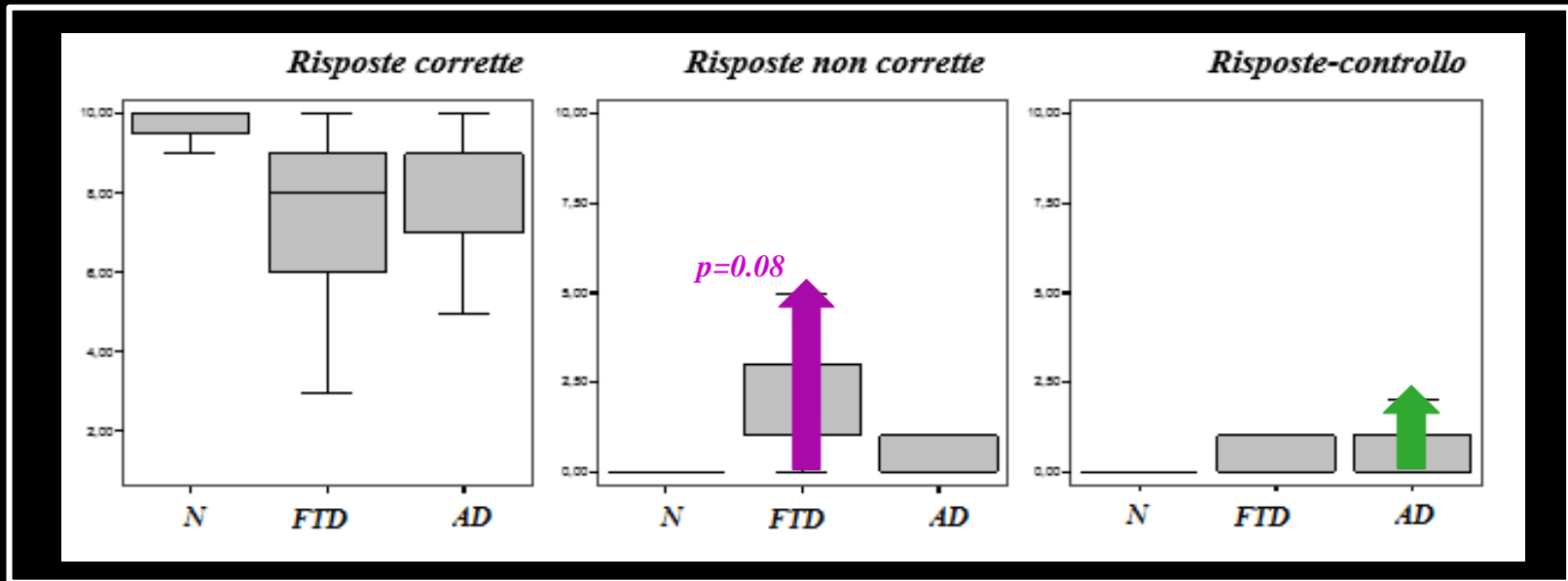
*Riconoscimento
affermazioni
fattuali*



Mann-Whitney; Kruskal-Wallis

RISULTATI

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Richieste

bv-FTD

*Risposte non
corrette*



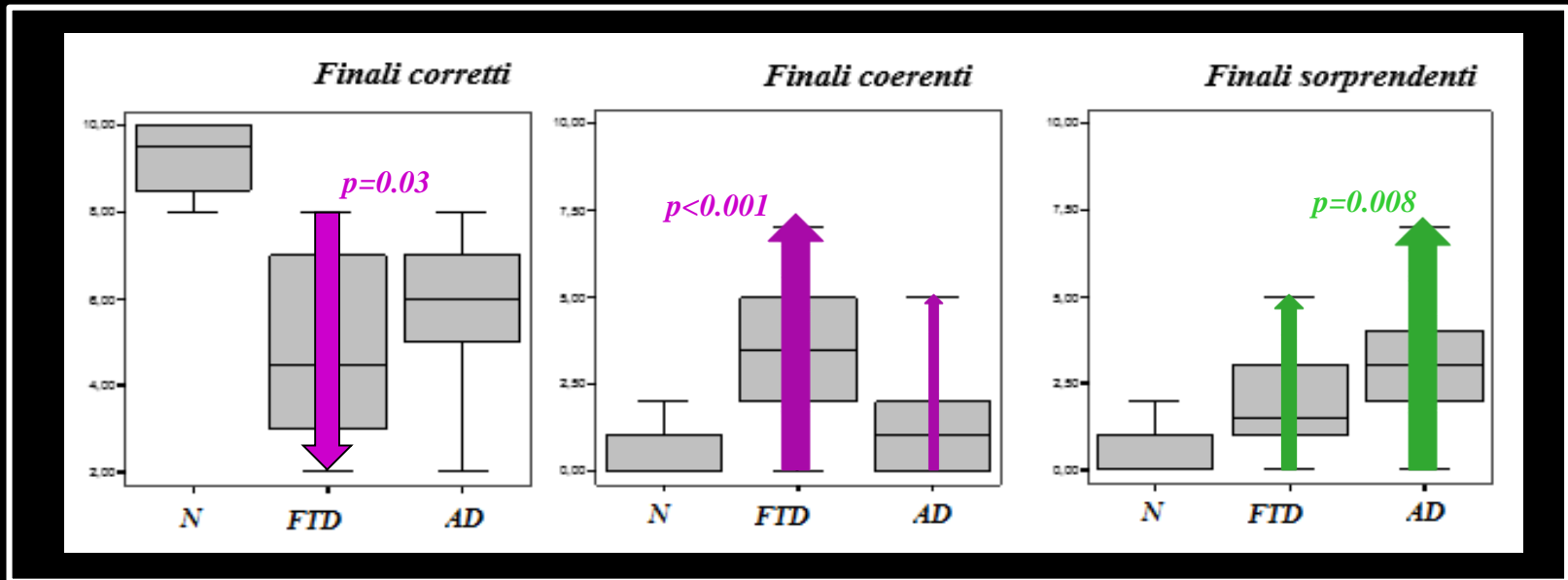
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Risposte-controllo

Mann-Whitney; Kruskal-Wallis

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Umore

bv-FTD
Finali coerenti



AD
Finali sorprendenti

Mann-Whitney; Kruskal-Wallis

Bv-FTD



AD

PROFILO DIFFERENTE

*Deficit della capacità di
astrazione e di inibizione
risposte automatiche*



Interpretazione letterale



*Difficoltà di elaborazione
del linguaggio pragmatico*

Bv-FTD



AD

PROFILO DIFFERENTE

*Deficit della capacità di
astrazione e di inibizione
risposte automatiche*



Interpretazione letterale



*Difficoltà di elaborazione
del linguaggio pragmatico*

Bv-FTD



PROFILO DIFFERENTE

Deficit di working memory



Errori di controllo



*Difficoltà di interpretazione degli
aspetti linguistici complessi*

AD

*Deficit della capacità di
astrazione e di inibizione
risposte automatiche*



Interpretazione letterale



*Difficoltà di elaborazione
del linguaggio pragmatico*

Bv-FTD

Mantenuta la coerenza

Perso l'effetto sorpresa

Umore



PROFILO DIFFERENTE

Deficit di working memory



Errori di controllo



*Difficoltà di interpretazione degli
aspetti linguistici complessi*

AD

Mantenuto l'effetto sorpresa

Persa la coerenza

WORK IN PROGRESS...

[¹⁸F]FDG - PET cerebrale

METAFORE

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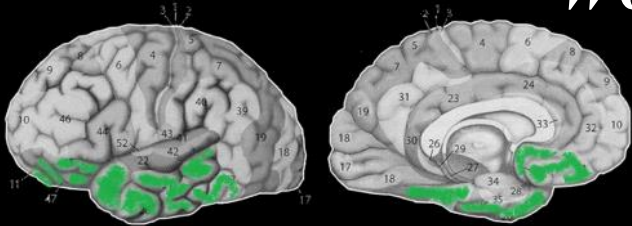
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UMORISMO

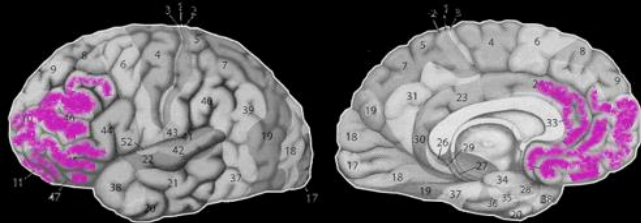


WORK IN PROGRESS...

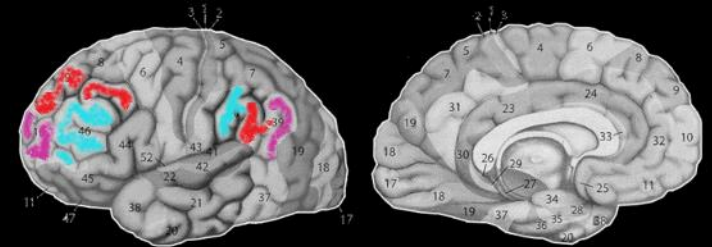
[¹⁸F]FDG - PET cerebrale



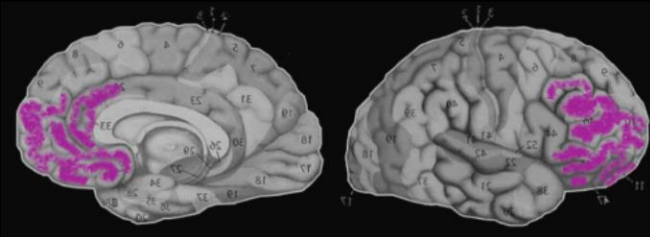
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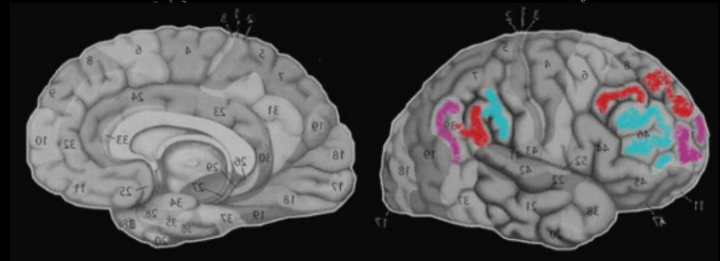
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RICHIESTE



UMORISMO



Bv-FTD



AD

In conclusione...

***PROFILO DIFFERENTE
DI COMPROMISSIONE***



Diagnosi differenziale



bv-FTD versus AD

***SPECIFICI NETWORK
CEREBRALE***



Organizzazione topografica



Ceci n'est pas une pipe.

Grazie per l'attenzione