

SESSIONE POSTER 1

Giovedì 17 Marzo ore 13 – 14

Neuroimaging e biomarker

Discussant: Daniela Perani, *Milano*- Marco Bozzali, *Roma*

1. **Functional connectome organization is altered in PD patients with mild cognitive impairment**
Federica Agosta, S. Galantucci, T. Stojković, S. Basaia, I. Stanković, E. Stefanova, V. Kostic, M. Filippi *Milano, Belgrado (SRB)*
2. **Multimodal imaging to distinguish in vivo early onset Alzheimer's disease from behavioral variant of frontotemporal dementia**
Federica Agosta, E. Canu, G. Mandic-Stojmenovic, T. Stojković, E. Stefanova, F. Imperiale, M. Copetti, V. Kostic, M. Filippi *Milano, Belgrado (SRB), San Giovanni Rotondo (FG)*
3. **Structural and functional MRI signatures of ALS patients with C9ORF72 hexanucleotide repeat expansion**
Federica Agosta, P. Ferraro, N. Riva, T. Domi, M. Copetti, C. Lunetta, M. Ferrari, G. Comi, P. Carrera, A. Falini, A. Quattrini, M. Filippi *Milano, San Giovanni Rotondo (FG)*
4. **Modeling trajectories of brain damage in progressive supranuclearpalsy: a longitudinal multimodal MRI study**
Federica Agosta, F. Caso, M. Lukić-Ječmenica, I. Petrović, P. Valsasina, P. Ferraro, A. Meani, M. Copetti, V. Kostic, M. Filippi *Milano, Belgrado (SRB), San Giovanni Rotondo (FG)*
5. **Metabolic connectomics targeting brain pathology in dementia with Lewy bodies**
Silvia Caminiti, M. Tettamanti, A. Sala, S. Iannaccone, S. Cappa, G. Magnani, D. Perani *Milano, Pavia*
6. **Validation of an optimized [18F]FDG SPM method for the differential diagnosis of atypical parkinsonisms in a clinical setting**
Silvia Caminiti, P. Alongi, L. Majno, C. Cerami, L. Gianolli, D. Perani *Milano*
7. **Functional connectome architecture of Alzheimer's disease, mild cognitive impairment and behavioral variant of frontotemporal dementia: a graph analysis study**
Elisa Canu, F. Agosta, S. Basaia, A. Meani, S. Galantucci, F. Caso, G. Magnani, R. Santangelo, M. Falautano, G. Comi, A. Falini, M. Filippi *Milano*
8. **Functional and structural brain alterations in two independent samples of patients with posterior cortical atrophy**
Elisa Canu, F. Agosta, I. Imperiale, G. Mandic-Stojmenovic, G. Magnani, T. Stojković, F. Caso, E. Stefanova, G. Comi, V. Kostic, A. Falini, M. Filippi *Milano, Belgrado (SRB)*
9. **CSF biomarkers performance in the differentiation between AD and FTD**
Cecilia Carlesi, A. Vergallo, C. Pagni, F. Baldacci, L. Petrozzi, F. Giorgi, G. Siciliano, U. Bonuccelli, G. Tognoni *Pisa*
10. **Longitudinal clinical and brain MRI changes in multiple system atrophy**
Francesca Caso, F. Agosta, I. Nikolic, M. Lukić-Ječmenica, I. Petrović, I. Stanković, P. Valsasina, V. Kostic, M. Filippi *Milano, Belgrado (SRB)*
11. **Functional metabolic temporo-limbic dysfunction in amnesic MCI subjects without amyloid load: a [18F]FDG and [18F]Florbetaben PET imaging study**
Chiara Cerami, A. Dodich, S. Iannaccone, G. Magnani, P. Alongi, A. Marcone, L. Presotto, V. Bettinardi, L. Gianolli, S. Cappa, D. Perani *Milano*
12. **Amygdala-VMPCFC dysfunction as a marker of dementia in parkinsonism**

- Stefano Delli Pizzi, R. Franciotti, G. Bubbico, R. Esposito, A. Ferretti, B. Perfetti, D. Carrozzino, D. Marchetti, A. Tartaro, A. Thomas, M. Onofrij, L. Bonanni *Chieti*
13. **The superficial white matter in Alzheimer's disease**
Margherita Di Paola, O. Phillips, S. Joshi, F. Piras, M. Orfei, M. Iorio, K. Narr, D. Shattuck, C. Caltagirone, G. Spalletta *Roma, Stanford (USA), Los Angeles (USA)*
 14. **Structural brain MRI abnormalities in Kennedy's disease**
Pilar Maria Ferraro, F. Agosta, G. Querin, N. Riva, C. Bertolin, E. Da Re, M. Copetti, G. Comi, G. Sorarù, M. Filippi *Milano, Padova, San Giovanni Rotondo (FG)*
 15. **The utility of multimodal imaging in the diagnosis of ALS**
Pilar Maria Ferraro, F. Agosta, N. Riva, M. Copetti, Y. Falzone, A. Chiò, G. Sorarù, G. Comi, A. Falini, M. Filippi *Milano, San Giovanni Rotondo (FG), Torino, Padova*
 16. **A new qualitative MRI-DWI score provides useful insight into clinical phenotype, molecular subtype and survival in Creutzfeldt-Jakob disease**
Federica Fragiaco, G. Gazzola, G. Zanusso, B. Giometto, R. Manara, A. Cagnin *Padova, Verona, Salerno, Venezia*
 17. **Cortical thinning associated with mild cognitive impairment in Parkinson's disease**
Sebastiano Galantucci, F. Agosta, T. Stojković, I. Petrović, E. Stefanova, E. Canu, M. Copetti, V. Kostic, M. Filippi *Milano, Belgrado (SRB), San Giovanni Rotondo (FG)*
 18. **From Parkinson's disease to dementing α -synucleinopathies: subcortical "matter"**
Stefano Gazzina, E. Premi, R. Turrone, J. Acosta-Cabronero, A. Alberici, C. Rizzetti, R. Gasparotti, A. Padovani, B. Borroni *Brescia, Magdeburg (D), Trescore Balneario (BG)*
 19. **Atypical variant of Alzheimer disease with mismatching biomarkers of β -amyloid pathology: a case report**
Linda Giampietri, L. Volpi, L. Kiferle, A. Vergallo, C. Pagni, U. Bonuccelli, G. Tognoni *Pisa, Piacenza*
 20. **Obesity as a risk factor in the early-stage of neurodegeneration: relation between body mass index and brain structure**
Micaela Mitolo, F. Meneghello, E. Iaia, G. Levedianos, E. Cosentino, A. Venneri *Venezia, Sheffield (UK)*
 21. **Intraventricular tumor presenting as progressive supranuclear palsy-like phenotype**
Maurizio Morelli, F. Fera, F. Bono, G. Arabia, A. Fratto, P. Perrotta, A. Quattrone *Catanzaro*
 22. **APOE polymorphism induces different clinical presentations and different brain metabolic patterns in Alzheimer's disease**
Caterina Motta, S. Toniolo, A. Chiaravalloti, L. Belli, F. Di Lorenzo, G. Koch, A. Martorana *Roma*
 23. **Gender-related biomarkers in Alzheimer's disease**
Paola Piscopo, G. Talarico, D. Galimberti, M. Gasparini, M. Canevelli, A. Crestini, D. Albani, G. Forloni, U. Lucca, P. Quadri, M. Tettamanti, C. Fenoglio, E. Scarpini, G. Bruno, N. Vanacore, A. Confaloni *Roma, Milano, Switzerland*
 24. **Neural correlates of frailty in behavioral variant frontotemporal dementia**
Innocenzo Rainero, M. Amanzio, F. D'Agata, A. Galati, S. Palermo, E. Rubino, M. Zucca, L. Pinessi, G. Castellano *Torino*
 25. **A new [18F]FDG-PET molecular approach for the study of connectomics in Parkinson's disease**
Arianna Sala, S. Caminiti, L. Presotto, E. Premi, A. Pilotto, A. Padovani, D. Perani *Milano, Brescia*
 26. **Microstructural damage of the white matter in the frontal aslant tract account for visuo-spatial performances in patients with Alzheimer's disease**
Laura Serra, G. Bechi Gabrielli, E. Tuzzi, B. Spanò, C. Marra, C. Caltagirone, M. Cercignani, M. Bozzali *Roma, Brighton (UK)*
 27. **Functional connectivity changes in MCI: a magnetoencephalography study**

- Paolo Sorrentino, R. Rucco, F. Jacini, P. Varriale, V. Agosti, F. Baselice, A. Sorriso, G. Sorrentino *Amsterdam (NL), Napoli, Parigi (F), Pozzuoli (NA)*
28. **Brain FDG-PET in mild cognitive impairment: a retrospective longitudinal study**
Marco Spallazzi, F. Barocco, E. Migliorino, L. Ruffini, C. Gheti, S. Gardini, P. Caffarra *Parma*
29. **Diagnostic utility of [18F] florbetaben PET and its concordance with amyloid- β 1-42 in cerebrospinal fluid in patients with dementia**
Marco Spallazzi, F. Barocco, L. Ruffini, S. Gardini, P. Caffarra *Parma*
30. **Hippocampal vascularization patterns: a high resolution 7T time-of-flight magnetic resonance angiography study**
Marco Spallazzi, L. Dobisch, A. Becke, P. Caffarra, E. Düzel *Parma, Magdeburg (D)*
31. **Progressive choroidal thickness attenuation in patients with Alzheimer's disease: results from a 12-months prospective study**
Alessandro Trebbastoni, M. Gharbiya, A. Bruscolini, F. Parisi, F. D'Antonio, A. Campanelli, L. Imbriano, L. Rendace, C. de Lena *Roma*
32. **Alterations of white matter integrity and cortical thickness in patients with visual hallucinations in Lewy bodies dementia**
Giovanni Zorzi, R. Manara, S. Pompanin, M. Tagliapietra, A. Cagnin *Padova, Salerno, Verona*
33. **Cognitive and functional metabolic profiles in primary progressive aphasia variants**
Lucia Catherine Greco, C. Cerami, A. Dodich, L. Iaccarino, S. Iannaccone, G. Magnani, D. Perani *Milano*
34. **Intracranial arterial dolichoectasia: a new disease entity?**
Fabio Fierini, A. Poggesi, M. Acquafresca, S. Nannucci, R. Valenti, F. Pescini, E. Salvadori, G. Chiti, I. Donnini, S. Marini, M. Pasi, V. Rinnoci, D. Inzitari, L. Pantoni *Firenze*
35. **The network signature of cognitive efficiency in Alzheimer's disease**
Matteo De Marco, F. Meneghello, A. Venneri *Sheffield (UK), Venezia*
36. **Cortical activation during levitation and tentacular movements of corticobasal syndrome**
Aurelio D'Amico, I. Borrelli, R. Di Giacomo, S. Delli Pizzi, M. Caulo, A. Thomas, R. Franciotti, V. Onofrj, M. Onofrj, L. Bonanni *Chieti, Roma*