

Special Issue

Diagnosis and Management of Alzheimer's Disease

Message from the Guest Editor

Alzheimer's disease is the common cause of dementia. Recent advances in molecular genetics techniques and the role of cerebrospinal fluid biomarkers have improved diagnosis. Causes of dementia can be diagnosed via a multidisciplinary approach with neurologist psychologists, geneticists, laboratory testing, and neuroimaging. Recently enormous research efforts have been undertaken to discover, characterize, and quantify biological markers for AD, especially during the preclinical or prodromal stages of AD so that therapeutic treatment strategies may be initiated. Through machine learning, it is possible to create a profile of the risk of conversion from mild cognitive impairment to dementia. Management should include both pharmacologic and nonpharmacologic approaches, although the efficacy of available treatments remains limited. Precision medicine is emerging for the most accurate and definitive prediction, diagnosis, and prognosis of this insidious and lethal brain disorder. This issue will provide updates on these emerging fields.

Guest Editor

Prof. Dr. Benedetta Nacmias

Department of Neuroscience, Psychology, Drug Research and Child Health, University of Florence, Azienda Ospedaliero-Universitaria Careggi, Viale Pieraccini, 6 - CUBO 3, pad 27 b, 50139 Florence, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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