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Best Early-Onset Parkinson Dementia Predictor using Ensemble Learning



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New markers in Parkinson's disease - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0065242319301039>

Jan 01, 2020 · A biomarker is defined as: "A characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention". From a methodological point of view, biomarkers can be categorized as clinical, imaging, biochemical and genetic (). Given the proximity of cerebrospinal fluid (CSF) to the ...

Author: Anastasia Bougea, Anastasia Bougea Publish Year: 2020

Abstracts - 2020 - Movement Disorders Clinical Practice ...

<https://onlinelibrary.wiley.com/doi/10.1002/mdc3.12923>

Mar 17, 2020 · Results: The mean age of the patients was 70.4 years, the first motor symptoms appeared at the age of 68.1 and non-motor symptoms at the age of 61.2; mean disease duration was 2.5 years, dopaminergic treatment was taken over a period of 1.5 years, 20 patients (69%) were classified as stage 2 (Hoehn-Yahr), and 9 patients (31%) – as stage 2 ...

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4235340>

Cognitive impairment and **dementia** are common in **Parkinson's disease (PD)**, with a long-term cumulative prevalence of 80% for **PD dementia (PDD)**. 1 The impact of PDD is substantial and has a major impact on independence, nursing home admission, psychiatric comorbidity, care-giver burden, and mortality. 2 – 4 Consequently, there is interest in a potential transition stage—PD with mild ...

Cited by: 84 **Author:** Michele T. Mtm Hu, Michele T. Mtm Hu, Ko...
Publish Year: 2014

Cognitive and Neuropsychiatric Features of Early Parkinson ...

<https://academic.oup.com/acn/article/32/7/769/4560106> ▾

Oct 20, 2017 · The International **Parkinson Disease and Movement Disorder Society (MDS)** recently proposed terminology for stages of early PD that include preclinical, prodromal, and clinical (Berg et al., 2013, 2014, 2015; Stern, Lang, & Poewe, 2012). The preclinical stage is defined as the presence of neurodegenerative synucleinopathy without classic clinical ...

Cited by: 11 **Author:** Sarah J Getz, Bonnie Levin
Publish Year: 2017

Predicting motor, cognitive & functional impairment in ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/acn3.50853>

Jul 26, 2019 · Disability in **Parkinson's** is mainly determined by the onset of postural instability, falls, freezing of gait, and **dementia**. 4, 5 The time to reach these disease milestones varies considerably, leading to increased outcome variation and requiring larger sample sizes to demonstrate potential treatment effects. 6 A number of models have aimed to ...

Cited by: 3 **Author:** Christine Lo, Siddharth Arora, Fahd Baig, Mi...
Publish Year: 2019

Rapid Eye Movement Sleep Behavioral Events: A New Marker ...

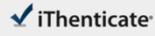
<https://www.researchgate.net/publication/260448594...>

Rapid eye movement (REM) sleep behavior disorder (RBD) is a **sleep disorder** characterized by enacting one's dreams during the **REM sleep**, with most of the dreams being violent or aggressive, so that ...

Prognostic factors for the progression of Parkinson's ...

https://www.researchgate.net/publication/227537787_Prognostic_factors_for_the...

Among **Parkinson's disease (PD)** motor symptoms, freezing of gait (FOG) may be the most incapacitating. ... with idiopathic **Rapid Eye Movement sleep behavior disorder**, with mean sensitivity ...



Name of Journal: *World Journal of Psychiatry*
Manuscript NO: 58396
Manuscript Type: ORIGINAL ARTICLE

Case Control Study

Best early-onset Parkinson dementia predictor using ensemble learning among Parkinson's symptoms, rapid eye movement sleep disorder, and neuropsychological profile

Haewon Byeon

Abstract

BACKGROUND

Despite the frequent progression from Parkinson's disease (PD) to Parkinson's disease dementia (PDD), the basis to diagnose early-onset Parkinson dementia (EOPD) in the

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Interactions of visual hallucinations, rapid eye movement ...

https://www.researchgate.net/publication/284799350_Interactions_of_visual...

Idiopathic **rapid eye movement sleep behavior disorder** (iRBD) is a major risk factor for **Parkinson's disease** (PD), **dementia** with Lewy bodies (DLB), PD with **dementia**...