

Management of Neuro Degenerative Diseases of Elderly Adults

George Perry*

University of Texas at San Antonio, USA

Alzheimer's disease (AD) is a chronic neurodegenerative disease which includes challenges like language, disorientation, mood swings, behavioral issues, memory loss and lack of motivation. Pathogenesis of Alzheimer's disease is poorly understood. Less than 5% of AD is believed to have genetic reasons with many genes involved. As the disease progresses bodily functions will be lost leading to death.

Parkinson's disease (PD) is a disorder of the central nervous system affecting the motor system. Symptoms generally include rigidity, shaking, difficulty in walking, thinking & behavioral problems, depression, anxiety but dementia becomes common in the advanced stages. The cause for Parkinson's disease is unknown, yet, genetic and environmental factors play a key role in the onset of the PD.

Journal of Alzheimer Disease & Parkinsonism is one of the best open access, Peer reviewed international journal that publishes scientific articles related to Alzheimer's and Parkinson disease including its management, recent advances in their studies. The current volume no. 6, issue 3 accommodated eight high quality research articles, one case report, along with review and commentary articles.

Eggert et al. in their research article explored the possible risk of valvular heart disease (VHD) in patients with Parkinson's disease (PD). Authors didn't find any increased risk of cardiac VR in PD patients that is undergoing rotigotine or other non-ergot Dopamine agonists [1]. Salah in the research article concluded that DNA polymerase is a viable therapeutic option for treating patients with multiple sclerosis [2].

Azza et al. studied the effect of Caffeine and nicotine on Alzheimers disease. Authors found that combined administration of caffeine and nicotine reduced the risk of neurodegenerative diseases, especially in the hippocampus by attenuating the impairment of learning and memory associated with AD [3]. Fabregue et al. in their research found that interleukin (IL) IL-6/IL-10 ratio is the most appropriate marker to assess the level of inflammation during reaction time by which cognitive function can be assessed [4]. Tong et al. in their studies found that T3D-959, a dual nuclear receptor agonist via agonism of PPAR delta and PPAR gamma nuclear receptors leads to modification of Alzheimer's [5].

Kim et al. in their research article compared the effectiveness of three types of Trail Making Test (TMT) to identify the best and accurate ways of detecting the decline in cognitive skills among the Korean elderly patients. Authors found that TMT-B&W showed higher completion rate and found significant correlation with frontal executive function than other types of TMT tests [6]. Ali et al. in their research article described the positive influence of Epigallocatechin-3-gallate and/or Coenzyme Q10 therapy for Alzheimer's disease in rat models and Yang et al. studied the effects of Acetylation of PTEN on hepatic Gluconeogenesis [7,8].

Tang and Cheng in their mini review article briefly discussed about the effectiveness of chemical Trans differentiation in fighting neurodegenerative diseases [9]. Masaoka and Philips [10] commented on the association of Sleep Disorder or Deficits in Olfaction with Neurodegeneration, leading to Dementia and the probable onset of Alzheimer's disease among the elderly population of the Middle East. Kitamura and Hino reported a case of disinhibition associated with long-term use of donepezil in 88 and 98 year old women [11].

References

1. Eggert K, Antony G, Anvari K, Behrens S, Daprich M (2016) A prospective, multicenter, 2 year echocardiographic study on valvular heart disease in Parkinson's disease patients taking rotigotine and other non-ergot dopamine agonists. *J Alzheimers Dis Parkinsonism* 6: 233.
2. Salah S (2016) A novel approach for treatment patients with multiple sclerosis by using DNA polymerase. *J Alzheimers Dis Parkinsonism* 6: 235.
3. Azza AA, Ahmed HI, El-Samea HAA, El-Demerdash E (2016) The potential effect of caffeine and nicotine co-administration against aluminum induced Alzheimer's disease in rats. *J Alzheimers Dis Parkinsonism* 6: 236.
4. Fabrègue F, Butkowski E, Voigt A, Mouquet G, de Jong B, et al. (2016) Association of inflammation and Possible mild cognitive decline measured by the stroop cognitive function test. *J Alzheimers Dis Parkinsonism* 6: 237.
5. Tong M, Dominguez C, Didsbury J, de la Monte SM (2016) Targeting Alzheimer's disease neuro-metabolic dysfunction with a small molecule nuclear receptor agonist (T3D-959) reverses disease pathologies. *J Alzheimers Dis Parkinsonism* 6: 238.
6. Kim K, Jang JW, Baek MJ, Kim SY (2016) A comparison of three types of trail making test in the Korean elderly: Higher completion rate of trail making test-black and white for mild cognitive impairment. *J Alzheimers Dis Parkinsonism* 6: 239.
7. Ali AA, Ahmed HI, Khalil MG, Alwakeel AI, Elfotuh KA (2016) Comparative study on the influence of epigallocatechin-3-gallate and/or coenzyme Q10 against Alzheimer's disease induced by aluminum in normally-fed and protein malnourished rats. *J Alzheimers Dis Parkinsonism* 6: 240.
8. Yang J, Chen Q, Zhu H (2016) The effects of acetylation of PTEN on hepatic gluconeogenesis. *J Alzheimers Dis Parkinsonism* 6: 243.
9. Tang Y, Cheng L (2016) Chemical transdifferentiation: A new strategy in the fight against neurodegenerative disease. *J Alzheimers Dis Parkinsonism* 6: 231.
10. Masaoka Y, Phillips A (2016) Does The occurrence of sleep disorder or deficits in olfaction provide an early indication of neurodegeneration and subsequent dementia? *J Alzheimers Dis Parkinsonism* 6: 232.
11. Kitamura T, Hino S (2016) Disinhibition associated with long-term use of donepezil. *J Alzheimers Dis Parkinsonism* 6: 234.

*Corresponding author: George Perry, Dean and Professor of Biology, College of Sciences, University of Texas at San Antonio, USA, Tel: 210-458-4450; E-mail: george.perry@utsa.edu

Received July 05, 2016; Accepted July 06, 2016; Published July 13, 2016

Citation: Perry G (2016) Management of Neuro Degenerative Diseases of Elderly Adults. *J Alzheimers Dis Parkinsonism* 6: e134. doi: [10.4172/2161-0460.1000e134](https://doi.org/10.4172/2161-0460.1000e134)

Copyright: © 2016 Perry G. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.