

8th European Neurology Congress

September 21-23, 2016 Amsterdam, Netherlands

***Helicobacter pylori* infection in Egyptian Parkinson's disease patients: Incidence and the effect on motor fluctuation and response to LEVODOPA**

Mohamed ELSherif

Mansoura University, Egypt

Background: The GIT infection with *Helicobacter pylori* (HP) can inhibit levodopa (LD) in Parkinson's disease (PD) patients leading to motor fluctuation.

Objectives: To identify the incidence of HP in PD patients compared to healthy controls and its effect on motor fluctuation, response to treatment and quality of life.

Patients & Methods: Serum IgG Abs against HP urease were detected using ELISA, we monitored and compared incidence of HP infection in PD patients and controls. We compared the PD with positive HP (PD positive) and PD with negative HP infection (PD negative) regarding clinical features, the Unified PD Rating Scale (UPDRS) scores, Hoehn and Yahr Stages (H and Y) stages, PD Questionnaire for the quality of life (PD NMSQuest), and PD non-motor symptoms Questionnaire (PD-Q39).

Results: Fifty Egyptian PD patients were included. Forty-six percent were HP positive with a significant difference to control group (46% and 20% respectively, $P=0.043$). In PD positive, the total UPDRS and PD-Q39 scores, were significantly higher in comparison to PD negative ($p<0.005$ and $p<0.001$ respectively). The differences were not significant in the total PD NMSQuest score, and H and Y stages in both groups. The LD onset period was significantly greater in PD positive by nearly 14 minutes in comparison to PD negative. There was significantly prolonged on-duration time in PD positive in comparison to PD negative.

Conclusion: There is a high incidence of HP infection in PD and HP affects the response to LD that can deteriorate motor manifestations and the quality of life.

Biography

Mohamed ELSherif has completed his MD and PhD from Mansoura University School of Medicine, Egypt. He is the coordinator of Post-graduate and undergraduate medical students. He has published more than 17 papers in reputed journals and has been serving as a reviewer member of many neurology journals. He has received the first Best Master Thesis Mansoura University 2007, second junior travelling fellowships from the World Federation of Neurology 22/4/2009 to attend the 13th EFNS in Florence-Italy to present the poster of MD thesis.

elsherifmohammed@yahoo.com

Notes: