



Research Title: The effect of osteopathic treatment on the quality of life for male patients with urinary incontinence and Parkinson's Disease

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Abstract

Urinary incontinence caused by Detrusor Overactivity is a common problem between men suffering from Parkinson's disease caused by the neurological degeneration of the dopaminergic neurones and this kind of symptoms could have an effect on Quality of Life of these patients. In particular nocturia and urinary urgency are the most annoying symptoms complained by patients. The aim of the present study was to evaluate whether osteopathic treatment could improve the urinary symptoms severity and have an effect on the Quality of Life.

MATERIALS AND METHODS: From 40 potential patient, 10 have been enrolled in the protocol, divided in two groups and the OAB-questionnaire was submitted to see changes before and after treatments. The patient of the Group 1 was treated before with 3 real osteopathic treatments and after with 3 "sham" treatments. The patient of the Group 2 did the opposite. OAB-q data were statistical analysed and compared.

STATISTICAL ANALYSIS: ANOVA: Data were analysed comparing data before treatments, after real osteopathic treatments, after sham treatments. ANOVA analysis of variance were used to analyse the variables that passed normality test except for "social" that was analysed with a Kruskal Wallis test. P was set at <0.05.

RESULTS: The results show no statistical significance for any variable but analysing the trend of the means of the single variable there are changes in every variable except for "sleep".

CONCLUSION: Osteopathy seems not to be helpful in improving the quality of life of patient with incontinence suffering from Parkinson's disease but it is worth to propose a larger study with a bigger sample of patient to clear these results.