SELF-REPORTED MOTOR AND NON-MOTOR SYMPTOMS IN PEOPLE WITH FUNCTIONAL **GAIT DISORDER: A CROSS-SECTIONAL SURVEY**

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INTRODUCTION

OBJECTIVE

METHODOLOGY

Participants completed an online survey relating to demographic information, symptoms and outcome measures. Respondents were asked to endorse which symptoms they had from a list of motor and non-motor symptoms. Participants were excluded if they were non-ambulant. Univariate (t-tests and chi-square tests), and multivariate analysis (stepwise linear regression and binary logistic regression), were used for the

Functional gait disorder (FGD) is a common presentation of functional neurological disorders. Altered gait is the defining feature, however they are also associated with a range of motor and non-motor symptoms, such as pain or fatigue. The prevalence, severity, and impact of these symptoms in people with FGD remains unknown.

The aim of this study was to explore the prevalence and severity of self-reported motor and non-motor symptoms, in people with FGD, and the impact on ambulation, work and social participation, and quality of life.



AMBULATION

Exploring the association between Functional Ambulation Category scores and symptom prevalence indicated that **fear of falling** and functional seizures had the

PARTICIPATION

Analysing the association between Work and Social Adjustment Scale scores and symptom prevalence indicated that functional seizures, muscle rigidity, depression, fear of falling, pain and speech symptoms were associated with reduced work and social participation (Stepwise regression, Adjusted R2 = 0.39, F(6,120) = 14.31, p < 0.001).

PHYSICAL QOL

Exploring the association between SF36 (Physical summary score) and symptom prevalence showed that lower physical QOL was associated with **pain**, bradykinesia, fatigue and dystonia (Stepwise regression, Adjusted R2 = 0.32, F(4,122) = 15.92, p < 0.001).

MENTAL QOL

Analyzing the association between SF36 (Mental summary *score*) and symptom prevalence showed that lower mental QOL was associated with **depression**,

greatest association with requiring assistance to ambulate (Binary logistic regression, X2 (11, n = 128) = 40.68, p < 0.001).

anxiety and functional seizures (Stepwise regression, Adjusted R2 = 0.46, F(3,123) = 36.89, p < 0.001).

CONCLUSION

Motor and non-motor symptoms were prevalent and rated as severe amongst respondents with FGD. Motor and non-motor symptoms were associated with dependent ambulation, reduced work and social participation, and reduced physical and mental quality of life. This study provides researchers and clinicians with real-world data about a comprehensive range of symptoms in people with FGD, that may inform assessment, patient education, treatment, and future interventional studies. These findings highlight the multidimensional nature of FGD, supporting interdisciplinary treatment, and the need to consider and assess these symptoms, in people with FGD undergoing rehabilitation.