

# 595-A CROSS-SECTIONAL STUDY ON UROLOGIC QUALITY OF LIFE IN MULTIPLE SCLEROSIS PATIENTS.

## WHICH URINARY SYMPTOMS ARE TO BLAME?

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### Introduction

Multiple sclerosis (MS) is a neurological disease with a broad spectrum of clinical presentations.

Depending on the lesion location, patients might suffer from a different set of lower urinary tract symptoms (LUTS).

Some patients present with dominant filling LUTS like urgency, frequency or urge urinary incontinence, while others may suffer from voiding LUTS like slow stream, intermittency, straining and feeling of incomplete emptying.

Several scales have been developed to assess the disability status of the patients, the severity of their LUTS and their urologic quality of life (QoL) but there are no studies that have identified through which urinary symptoms urologic QoL is mostly affected.

The aim of this cross-sectional study is to evaluate for the first time how, and through which urinary symptoms, MS disability can influence urologic QoL .

### Methods

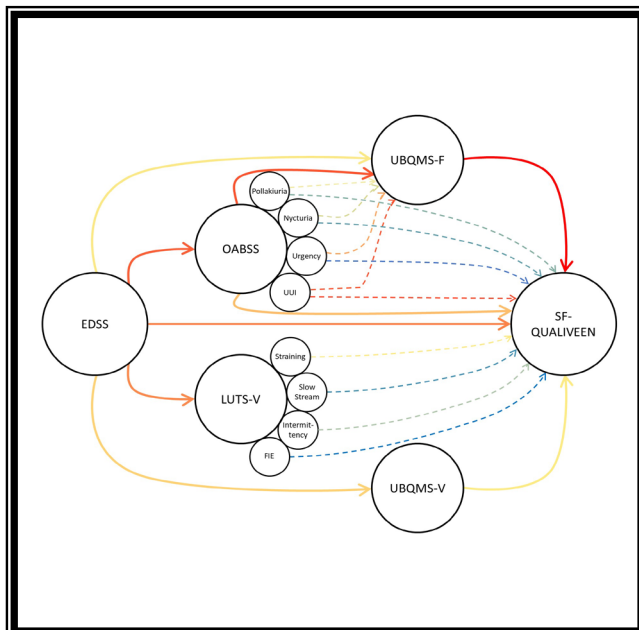
40 patients with MS and LUTS were recruited between July and November 2017.

Patients who have other causes for their urinary symptoms were excluded from the study.

Information including the patients' EDSS, voiding and filling LUTS, OABSS, UBQMS (1), and urologic QoL (SF-QUALIVEEN) (2) was gathered through questionnaires during personal interviews.

Correlation was studied using bivariate correlation test to measure the linear relation between variables.

### Results



### Conclusions

The disability due to MS is associated with more severe urinary filling symptoms, more bother due to these symptoms, and a lower urologic QoL.

Urgency and specially urge urinary incontinence play the major role in urinary bother and urologic QoL.

Urologic QoL was not affected significantly by voiding symptoms and the bother they cause.

Our study shows for the first time that the disability of MS negatively affects the urologic QoL not through voiding symptoms, but through filling symptoms, specially urgency and urge urinary incontinence, and the bother they cause.

### References

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