Hypothesis/Aim of study:
- The aim of the present study is to determine the clinical and urodynamic findings in Charcot-Marie-Tooth (CMT) patients referred to our Urology Department.

Study design, materials and methods:
- Retrospective study of those patients with CMT disease diagnosed at the Neurology Department of our Tertiary Hospital and referred to our Urology Department since 2008 due to lower urinary tract symptoms (LUTS).
- We reviewed their clinical charts regarding the age at CMT disease diagnosis, type of CMT disease and the presence of other comorbidities which could cause LUTS. We collected data on urinary symptoms, urodynamic and ultrasonographic findings, physical and neurological examination and therapeutic approach.

Results:
- Seven patients were referred to our department due to the presence of LUTS. They were 3 male and 4 female, with median age at the moment of LUTS onset of 55 (29-67) years and median time from the diagnosis of the neuropathy to the onset of LUTS was 14 (1-37) years.

Interpretation of results:
Charcot-Marie-Tooth Syndrome (CMT) is the most prevalent peripheral sensory-motor inherited neuropathy (1). Despite having no effect on the autonomic system, Krhut et al demonstrated higher occurrence of LUTS in CMT patients using validated questionnaires (2). To our knowledge, urodynamic findings in these patients have been hardly reported (3).

So far, our study constitutes the longest series of CMT patients with LUTS studied with urodynamics. LUTS are rare in CMT patients but voiding symptoms are the most prevalent.

Voiding symptoms in CMT patients correlate with impairment of detrusor contractility in urodynamics studies. There is no deterioration of the upper urinary tract due to high bladder pressure in CMT patients.

Concluding message:
Most of CMT patients with LUTS complained of voiding symptoms presenting, mainly, impairment of detrusor contractility in functional studies. The onset of urological symptoms is delayed in time. We strongly recommend urodynamic evaluation in CMT patients reporting voiding symptoms.