

Petca R.C. ¹, [Ionita D.A.](#) ², Bengus F. ², Petca A. ³, Petrescu A. ⁴, Jinga V. ¹, Braticevici B. ¹

¹University of Medicine and Pharmacy „Carol Davila”, Dept. of Urology, Prof Dr Th Burghele Clinical Hospital, Bucharest, Romania, ²Prof. Dr. Th. Burghele Clinical Hospital, Dept. of Urology, Bucharest, Romania, ³University of Medicine and Pharmacy „Carol Davila”, Dept. of Gynecology, Bucharest, Romania, ⁴Prof. Dr. Th. Burghele Clinical Hospital, Dept. of Pathology, Bucharest, Romania

Introduction & Objectives: The incidence of bladder cancer is higher in men than in women; however data from literature suggest that women are diagnosed with more advanced stage of disease and have poorer outcome. The aim of the study was to find if there are any gender specific differences in bladder cancer at the time of diagnosis in Romanian population.

Materials & Methods: We performed a retrospective study in which we included 126 men and women that underwent TUR-B in Burghele Clinical Hospital, from January 2018 until June 2018. There were 23 females (18.3%) and 103 males (81.7%). Tumor staging and grading, age at the time of diagnosis, smoking status and multifocality were analyzed.

Results: Mean age at the time of diagnosis was 68.57 years for females and 68.60 years for males. 20 females (86.95%) and 82 males (79.61%) had non muscle invasive bladder cancer (pTa/pT1), 3 females (13.05%) and 21 males (20.39%) were diagnosed with muscle invasive bladder cancer. Grading was similar in both women and men: G1 tumors were found in 1 female (4.34%) and 2 males (1.94%), G2 in 16 females (69.56%) and 57 males (55.33%), G3 in 6 females (26.08%) and 44 males (42.71%). 8 women (34.78%) and 44 men (42.71%) had multiple tumors. There weren't any significant differences regarding smoking status.

Conclusions: Although data from literature suggest that women have more advanced stage of tumors at the time of diagnosis, we didn't find any significant differences between women and men regarding tumor staging. Grading and number of tumors were also similar in both groups.