

Aurelian J. , Sandu B.S., Ionescu V. , Chirca N. , Grasu A.G. , Badescu D. , Ambert V. , Jinga V.

University of Medicine and Pharmacy “Carol Davila”, Dept. of Urology, Bucharest, Romania

**Introduction & Objectives:** Radical prostatectomy remains the best treatment for localized and locally advanced prostate cancer, but complications like urinary incontinence and erectile dysfunction may alter the surgical outcomes and decrease the quality of life of prostate cancer patients.

The objective of the study was to assess the impact of radical prostatectomy on urinary continence and quality of life after radical prostatectomy for prostate cancer.

**Materials & Methods:** We carried out a prospective study in “Prof. Dr. Th. Burghel” Clinical Hospital, Department of Urology, Bucharest, Romania. The study took place between 2015 - 2018 and we evaluated patients diagnosed with prostate cancer in localized or locally advanced stage with the use of two questionnaires – QLQ-C30 and QLQ-PR25 pre and post radical prostatectomy. We divided the patients in 2 groups: a preoperative group and a postoperative group that underwent radical prostatectomy.

**Results:** The age distribution of the two groups was: for the preoperative group the mean was 63.52 years, and for the postoperative group the mean was 66.23 years. In operated patients over 65 years, the urinary symptoms were more severe compared to unoperated patients ( $p < 0.005$ ). After radical prostatectomy, 30.6% of patients have accused the presence of urinary incontinence. Urinary incontinence frequency was higher in patients over 65 years (38.1%), compared to patients below 65 years (23.2%).

Quality of life was negatively influenced by radical prostatectomy in the perception of the patients enrolled in the study. Overall health status scale scores (QLQ-C30) decreases postoperatively, representing a decrease of overall health.

**Conclusions:** Quality of life was seen as impaired by patients treated after radical prostatectomy. Age over 65 years brings reduced functionality and louder symptoms after radical prostatectomy, urinary incontinence being a disturbing complication.