BACKGROUND: The treatment of urethral strictures represents an unsolved urological problem.

PATIENTS AND METHODS: The effect of a (32)P-coated urethral catheter in the sense of low-dose rate brachytherapy to modulate wound healing will be analyzed in an animal experiment. RESULTS: Unfortunately it is not possible to present any results because this is being studied for the first time and there are no experiences with low-dose rate brachytherapy and this form of application in the lower urinary tract. Furthermore the animal experiment will only start in the near future. Both decade-long experiences with radiotherapy to treat benign diseases and our own results of previous studies in otolaryngology and ophthalmology let us expect a significantly lower formation of urethral strictures after internal urethrotomy.

CONCLUSION: This study will contribute to improving the treatment of urethral strictures as demanded in previous papers.