

## 🏆 Best in Category Prize – Prostate Clinical / Surgical

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### FUNCTIONAL OUTCOME AFTER EJACULATION-PRESERVING TRANSPROSTATIC CYSTECTOMY WITH ORTHOTOPIC NEOBLADDER

#### Hypothesis / aims of study

Radical cystectomy is the treatment of choice in muscle invasive bladder cancer. Several techniques have been published, however functional data especially urodynamic data are scarce.

For preserving continence, regular sexual function as well as ejaculation ability, a new innovative technique has been developed including the new aspects in ejaculation physiology.

#### Study design, materials and methods

Inclusion criteria were singular tumor outside of the trigonal area as well as cT2-tumors.

Patients with suspected cT3-tumors after CT-scan as well as suspected lymph nodes got excluded.

Furthermore we performed a routine biopsy of the prostatic urethra as well as prostate biopsy in patients with elevated PSA >2 ng/ml.

Follow up was performed 6 and 12 months postoperatively, a videourodynamic assessment as well as the questionnaire IIEF5 plus 2 questions from the IIEF15 questionnaire (Q8 + Q9) was performed.

#### Results

We could offer and perform this technique in 31 patients. Mean age was 51 years (29-65), all patients had strong persistent wish for family planning and/or preserving of ejaculation.

After catheter removal all patients were continent during daytime, 6 patients presented a passageric enuresis.

After follow up after 6 and 12 months all patients were still continent and presented no post void residual urine. Micturition frequency was time dependent after 3-4 hours.

Erection ability was preserved in 28/31 patients. Mean time to recovering erection ability was 6.3 months (0-14 months).

19 patients agreed to a videourodynamical assessment.

Mean maximal cystometric capacity was 440 ml (300-650 ml).

#### Interpretation of results

The preserving of erection and ejaculation by preserving the important areas surrounding the verumontanum including the M. ejaculatorius is possible.

By preserving the prostate functional outcome with respect to urodynamical parameters were excellent.

For young patients with muscle invasive bladder cancer, this technique offers a real alternative with excellent functional outcome, an important factor for life quality.

#### Concluding message

Ejaculations-preserving transprostatic cystectomy is feasible and results in excellent functional outcome for continence and sexuality.

#### Disclosures

**Funding:** None **Clinical Trial:** Yes **Public Registry:** No **RCT:** No **Subjects:** HUMAN **Ethics not Req'd:** Treatment of choice **Helsinki:** Yes **Informed Consent:** Yes