



Department of Urology, Pediatric Urology and Andrology



## **A young couple**

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# Case report from our clinic

Young couple (man: 22years, woman: 27years)  
Wish for children

## Examination results

- .no gynaecological factor
  - . Anejaculation
- .normal masculine habitus but rare body hair
- .weight 63kg, high: 165cm, waist measure: 74cm (BMI 23)
  - .blood pressure: 105/65mmHg
- .testes and epididymis good palpable, epididymis prominent
  - .testicular volume 10ml
  - .prostate volume 10ml, palpation nonsuspect
- .Lower abdomen and genital region with multiple scars

### Sonography:

Postvoiding amount of urine: 30ml, thickness of Bladder wall 8mm

Testes both homogene, 10ml

Epididymis thickened

No varicozele

### Urine diagnosis:

*First urine:* leucocytes 500/ $\mu$ l, Nitrit negative, erythrozytes  
culture: negativ

*exprimated urine:* leucocytes 500/ $\mu$ l, Nitrit negative, erythrozytes 10/ $\mu$ l  
**culture: positive (Klebsiella oxytoca)**

No STD

Laboratory examination:

FSH: 3,9mU/ml

LH: 4,7mU/ml

Oestradiol: 31 pg/ml

Testosterone: 721ng/dl

PSA: 0,24ng/ml

*No semen analysis because of anejaculation.*

***Background of this patient?***

*.Anejaculation?*

*.Postvoiding urine?*

*.Thickened epididymis?*

**Battle field injuries:** Pelvic floor injury with urethral demolition  
multiple urethral reconstructions



Multiple urinary tract infections with recurrent infections of the epididymis  
(Klebsiella oxytoca)



Decision to prophylactic vasectomy on both  
sides several years ago in another hospital

## **Operation in Giessen 31<sup>st</sup> of october 2011: M/TESE and MESA**

aspiration of motile sperms of the thickened epididymis (MESA) and trifocal testicular srotal biopsies (TESE) with usage of mikrosurgical technique

Intraoperative good result of the aspiration, intratesticular areas of enlongated tubules

Good postoperative status

Sonografy of the testes afterwards with good blood circulation in duplex

### **Results of the testicular biopsies:**

**intact spermatogenesis, in quantity reduced**

**(On the right side focal interstitial and intratubular inflammated reaction in one sample)**

**Protamine: positive in both testes**



**Reproduction center**

**Follow up after 5 weeks in our ambulance:**

3 weeks after surgery wound infection, well treated; actually clean scrotal wounds

Sonografy: 9ml volume testes

Duplex: well perfused testes

Laboratory: FSH 4,7mU/ml, LH 7,4mU/ml, Testosterone 370ng/dl

Recommendation for yearly checking the testosterone level