

# CENTER FOR RECONSTRUCTIVE URETHRAL SURGERY



**GUIDO BARBAGLI, M.D.**  
**Arezzo - Italy**

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**Repair of uncomplicated bulbar  
urethral strictures using one-stage  
tissue-engineered oral mucosa graft.**

**(MukoCell®)**

**Surgical technique and preliminary results.**

**Dr. Gouya Ram-Liebig and Dr. Soren Liebig  
UroTiss GmbH – Dresden - Germany**



**Prof. G. Barbagli and Dr. G. Romano  
Center for Reconstructive Urethral Surgery – Arezzo - Italy**

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**UroTiss GmbH is a pharmaceutical company, founded in Germany in 2005 by Dr. Gouya Ram-Liebig and Dr. Soren Liebig.**

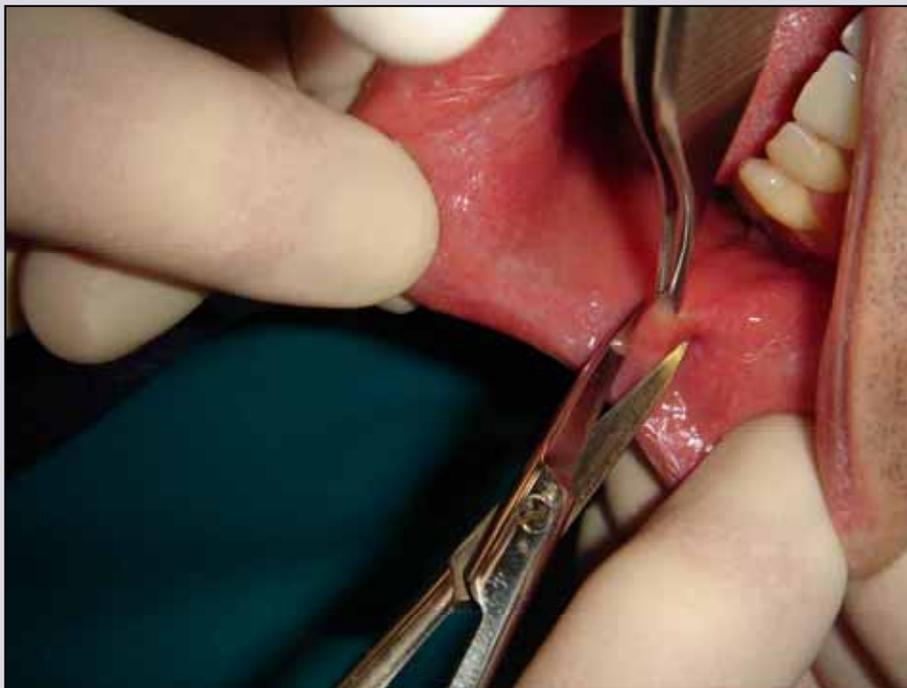
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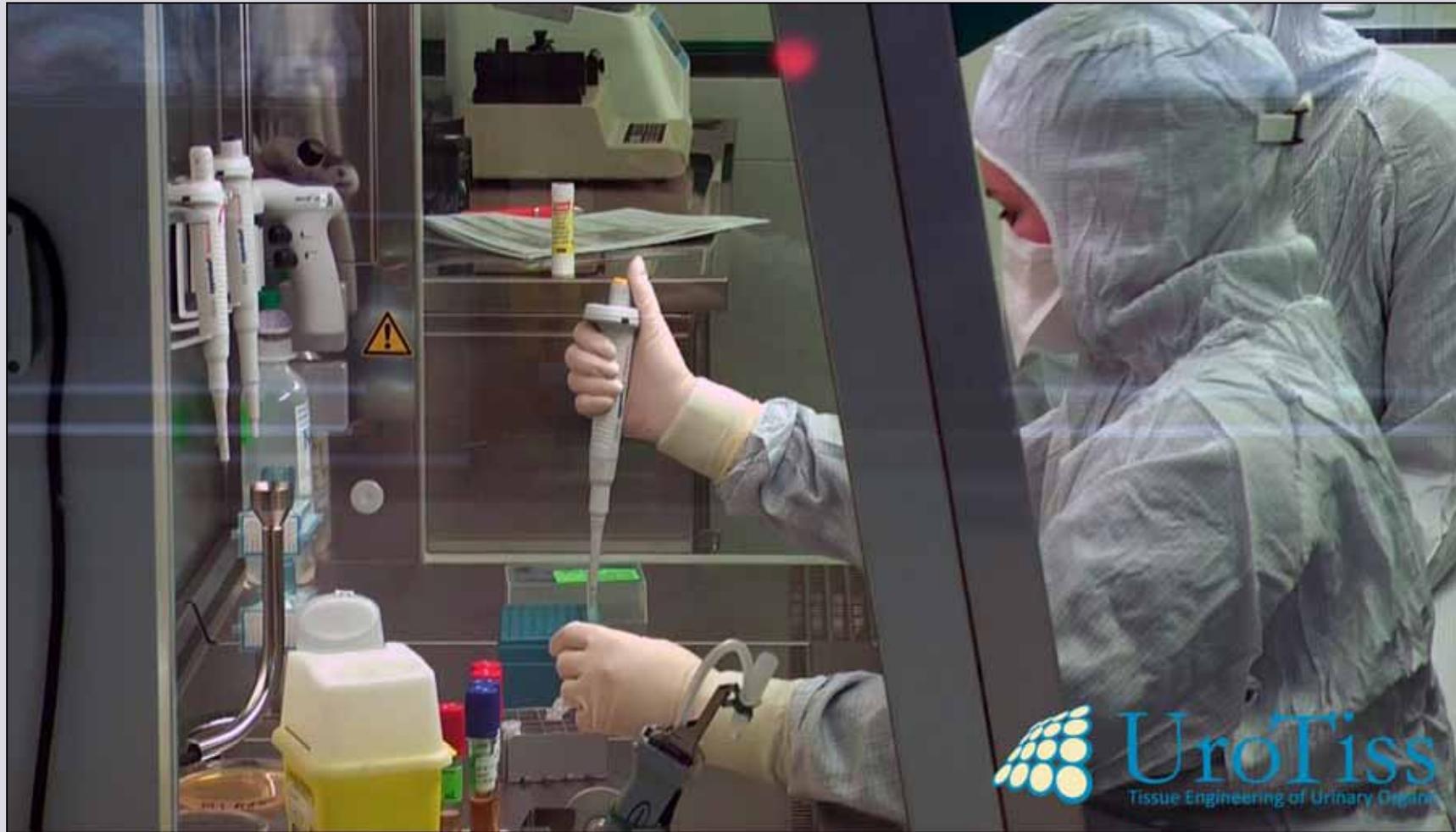
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 **UroTiss**  
Tissue Engineering of Urinary Organs

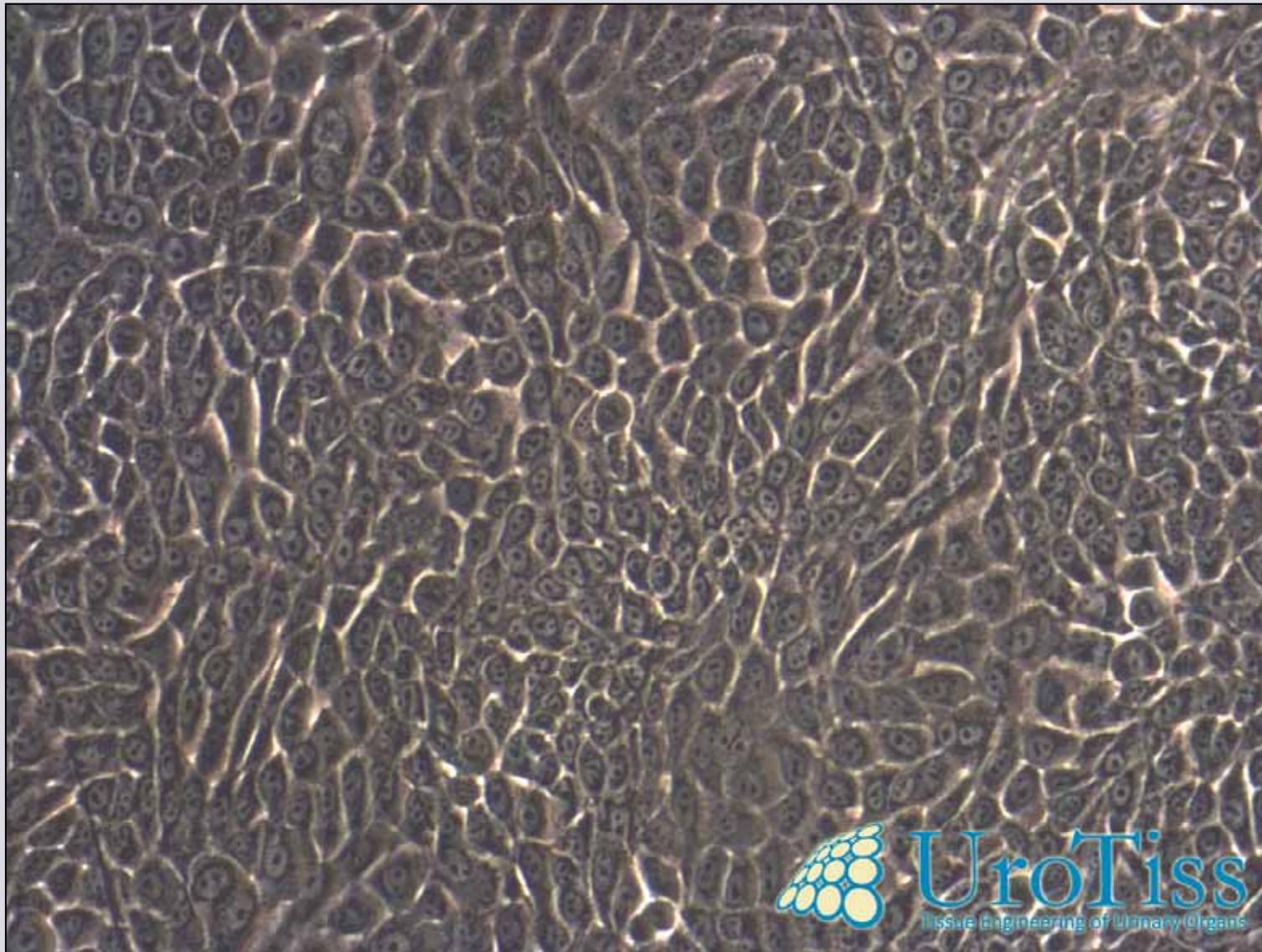
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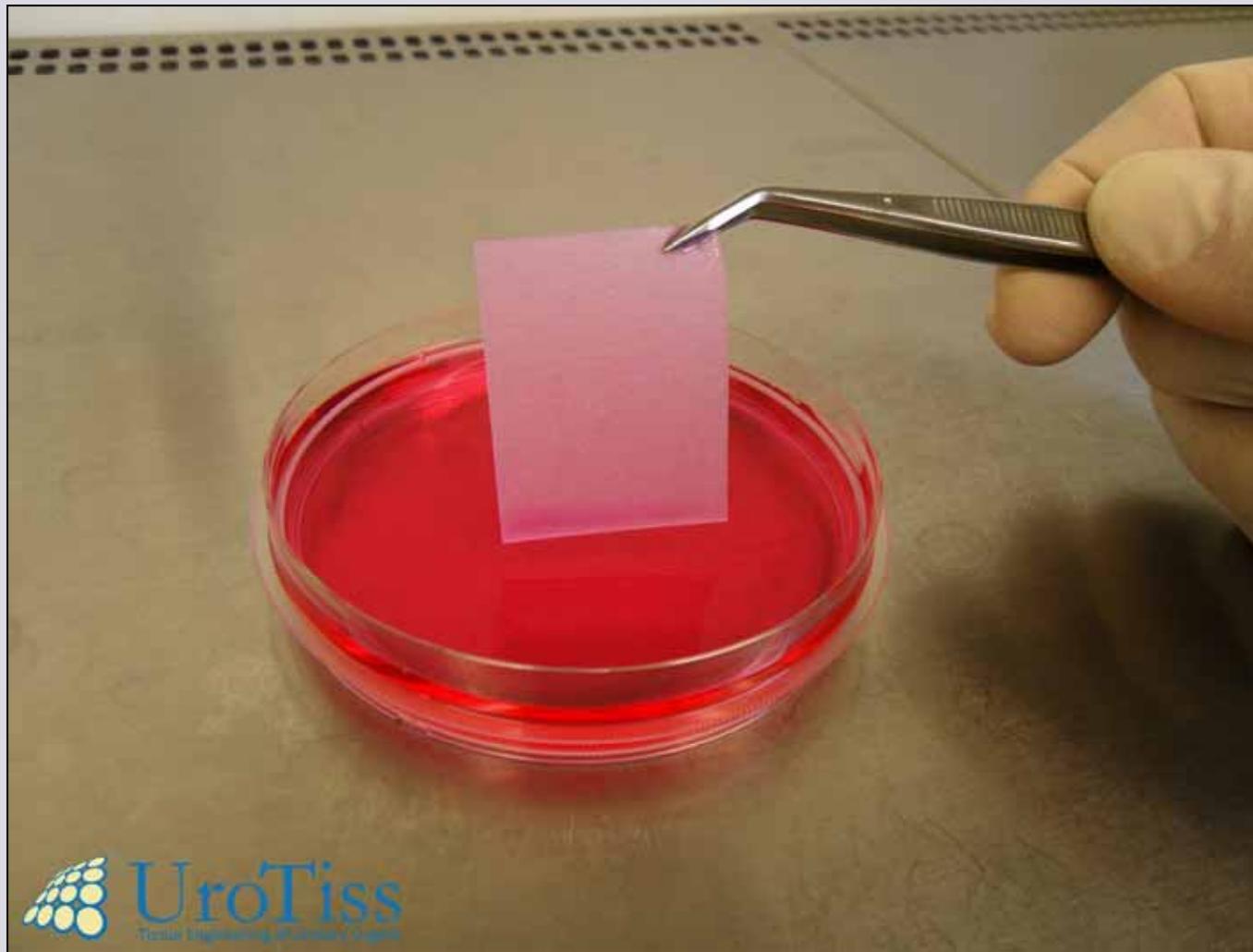
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**3 weeks later**

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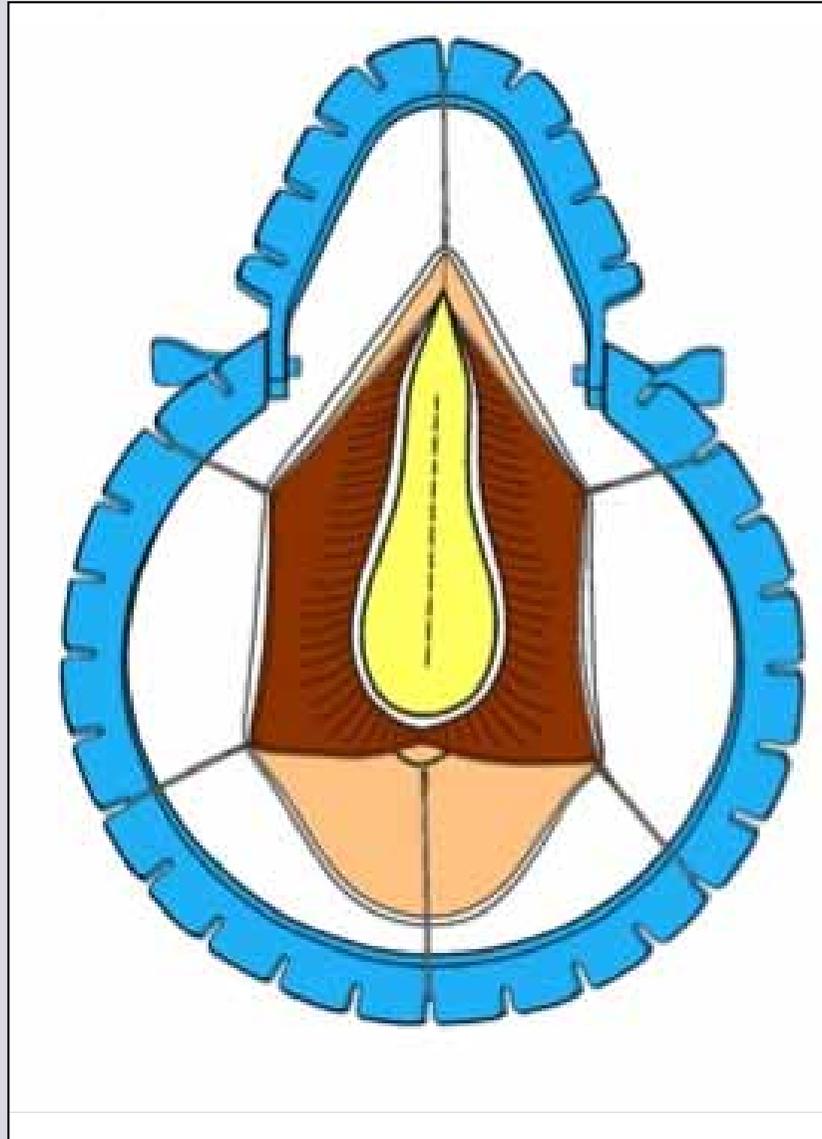
## Pre-operative retrograde urethrography



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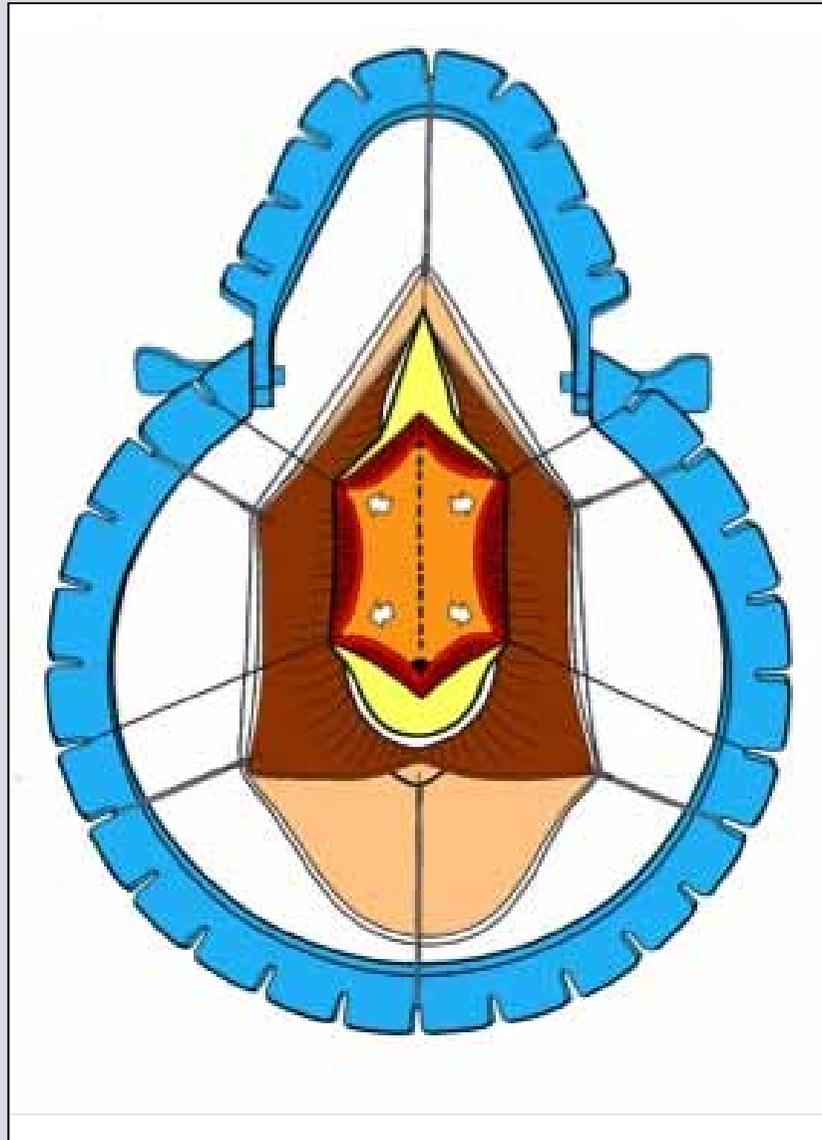
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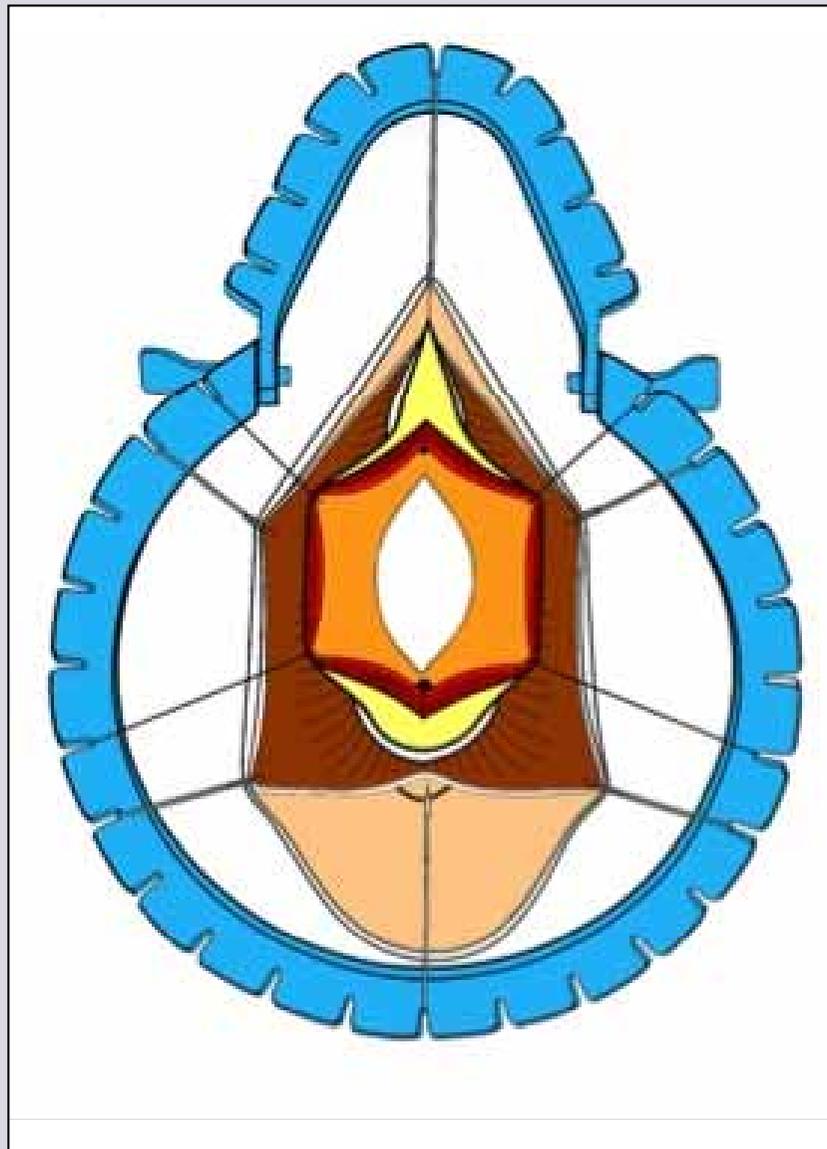
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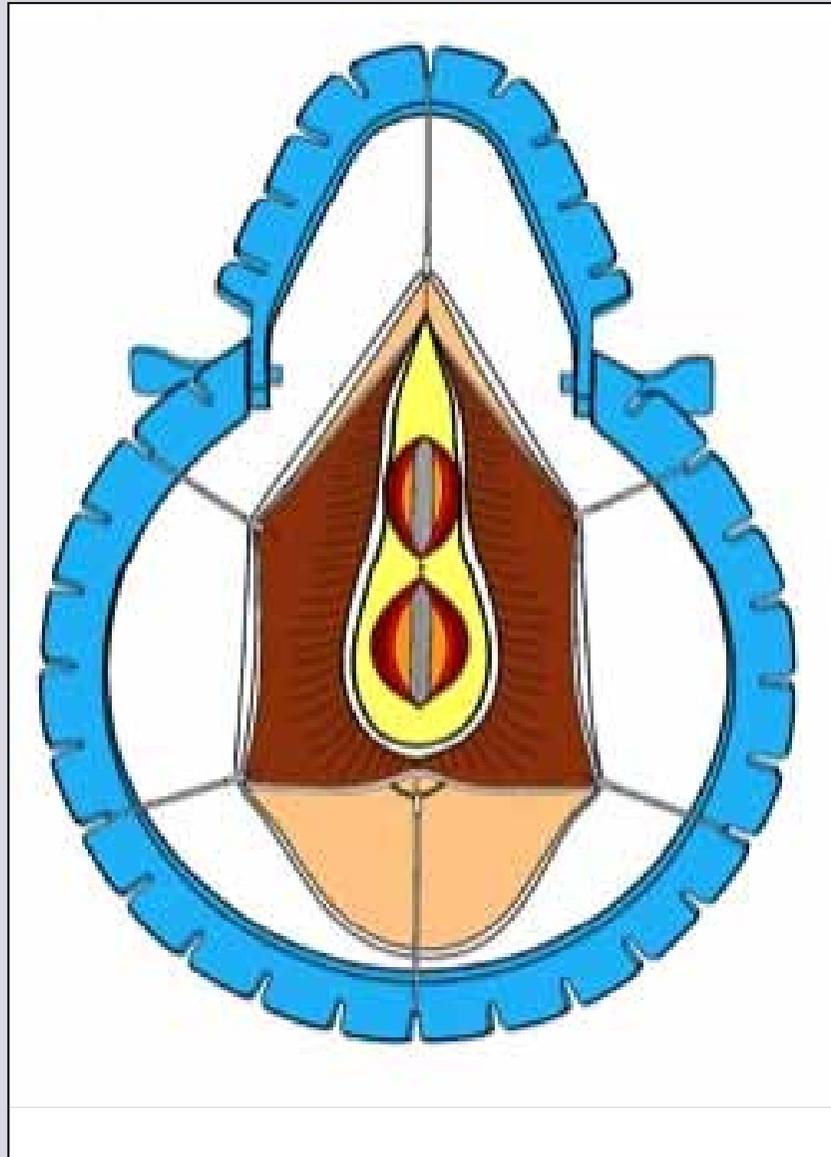
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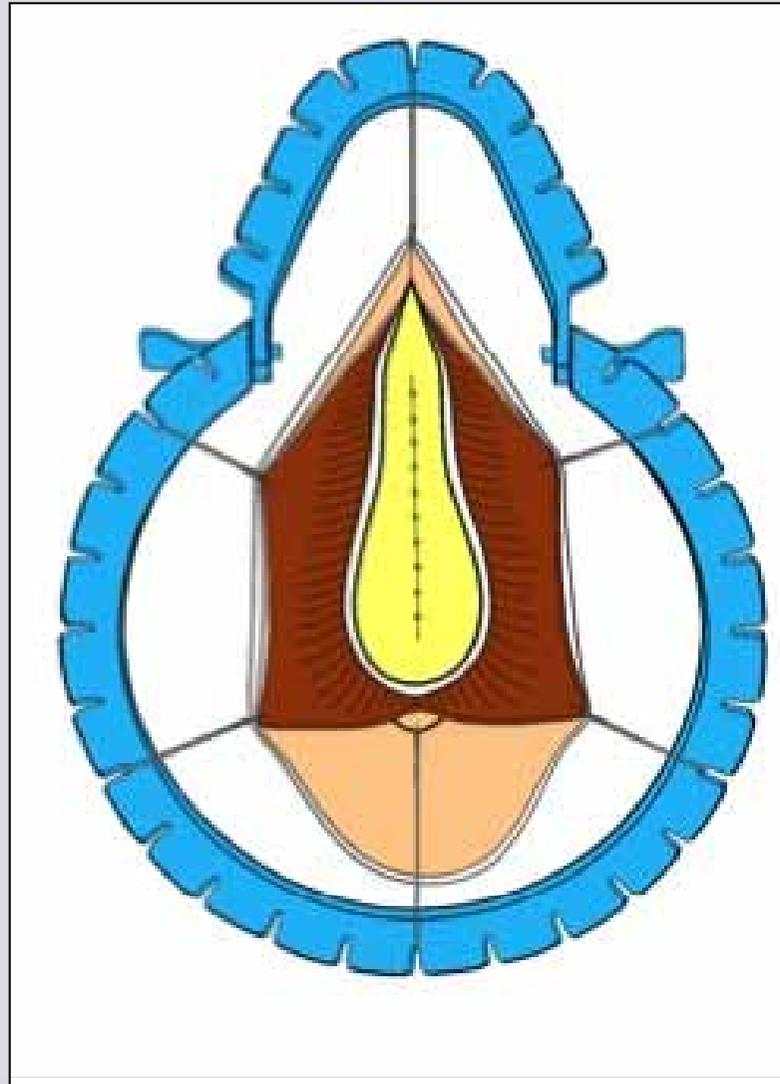
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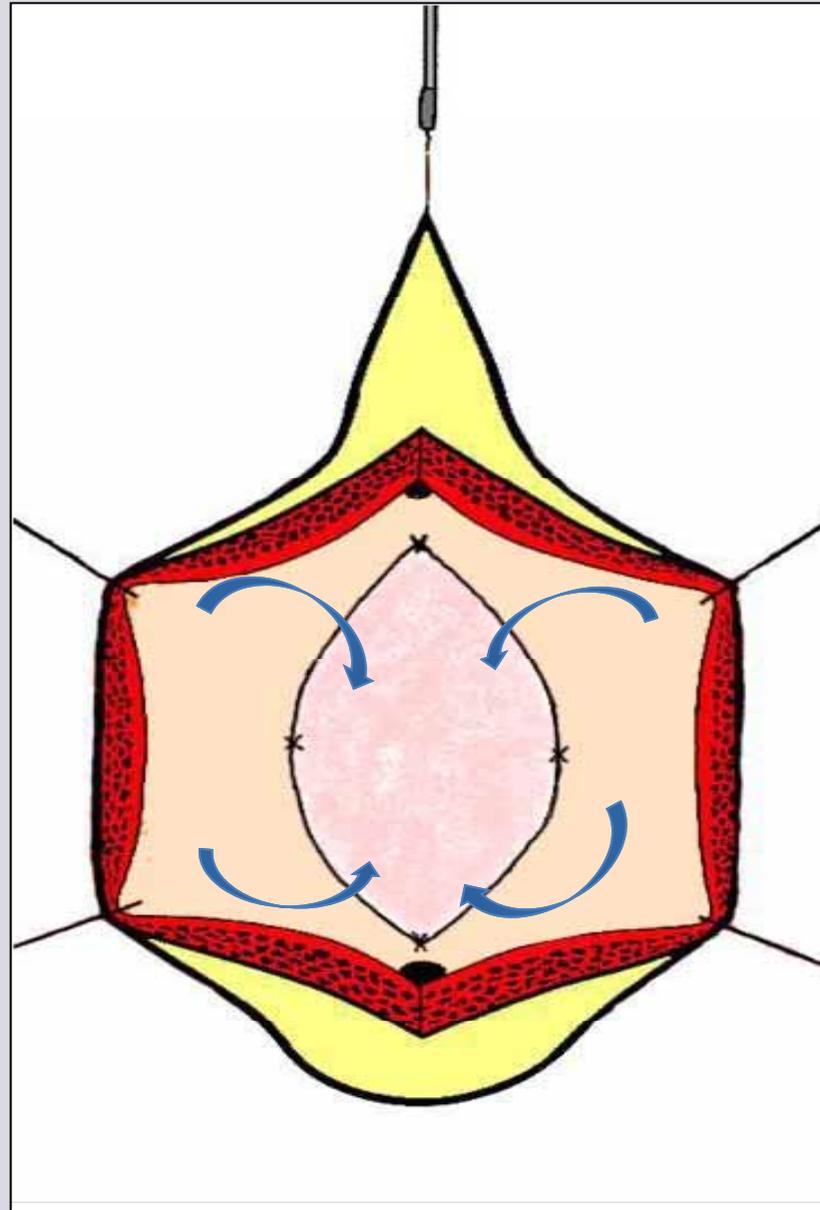


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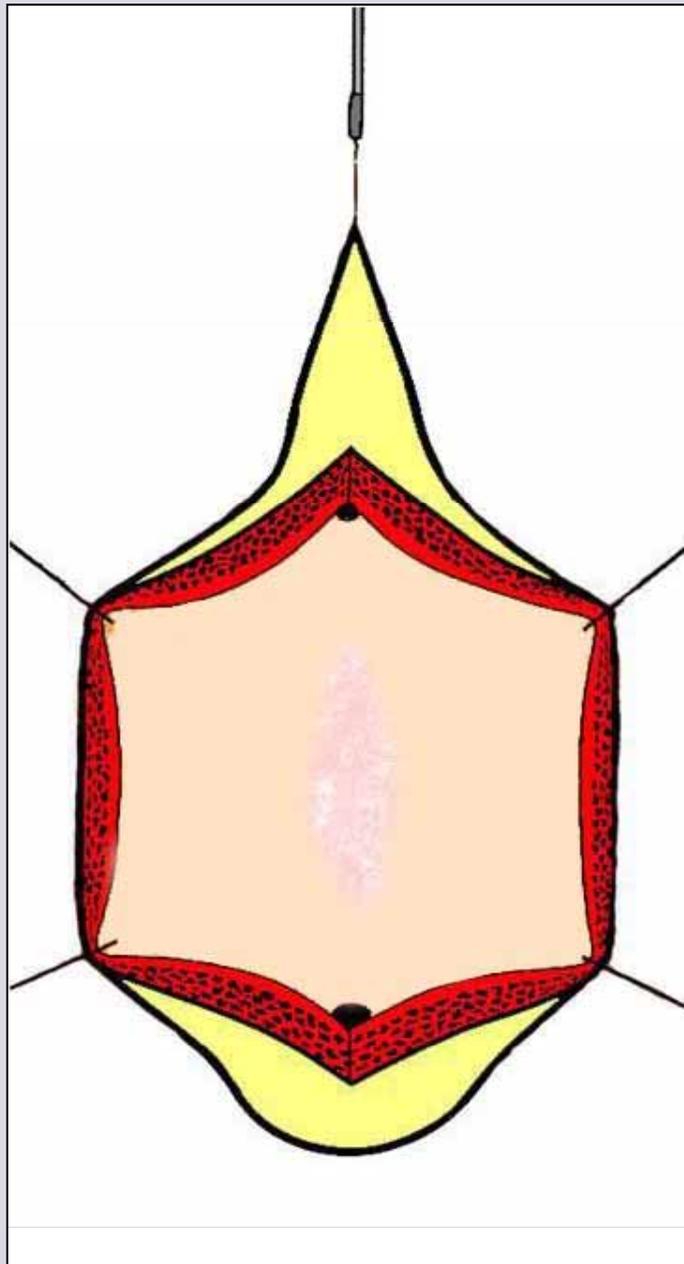
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# **Preliminary series of patients**

**12 patients**

**Bulbar urethral stricture**

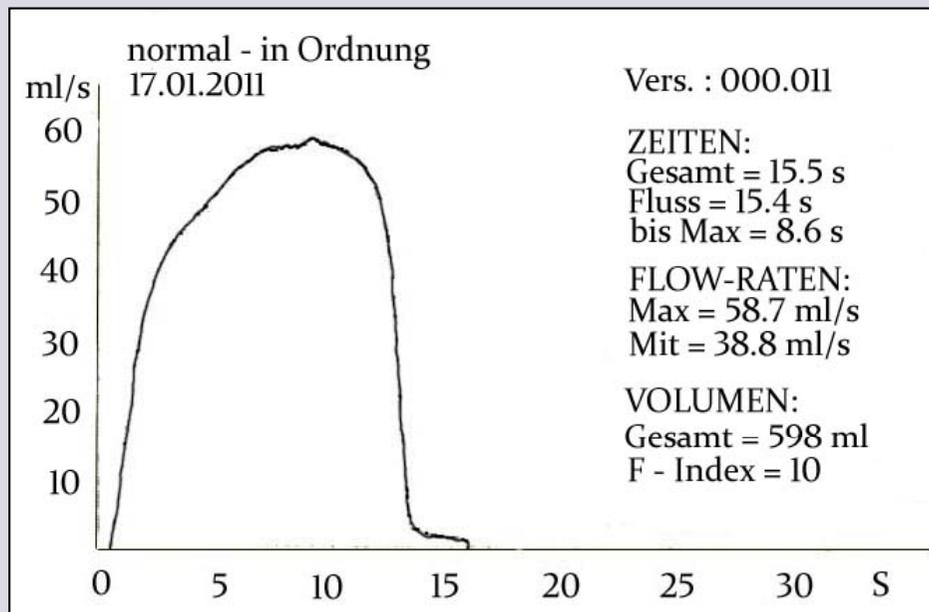
**Mean age: 43 years (31 – 75)**

**Mean follow-up: 10 months (4 – 21)**

**Mean stricture length: 4 cm (2 – 6)**

# Preliminary results at short-term follow-up (mean: 10 months)

Out of 12 patients, none required further urethral manipulation, including dilation, after the MukoCell's transplantation into the bulbar urethra



# Our preliminary experience

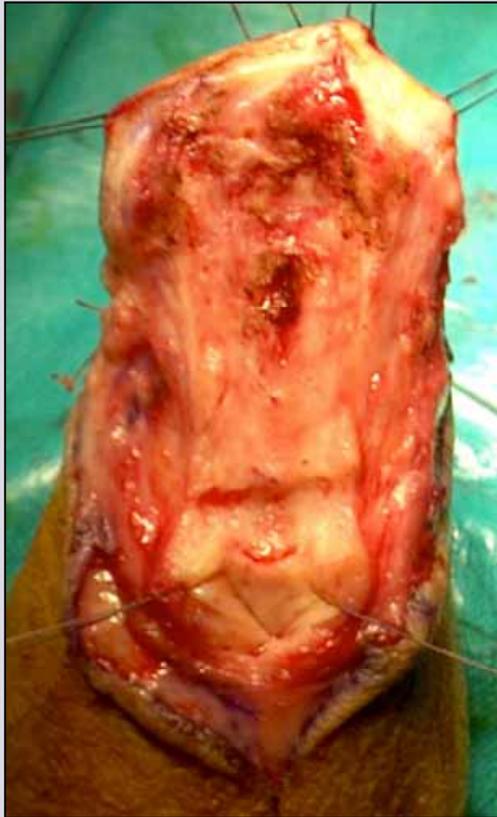


**Oral mucosa**



**Tissue engineered oral mucosa**

# Our preliminary experience



**Is tissue engineered oral mucosa adaptable for any type of urethroplasty ?**

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# Our preliminary experience



**The use of tissue engineered oral mucosa is not a simple surgical procedure and should be performed only in a Centre of excellence for urethral surgery**

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**For more information about MukoCell manufacturing or if you are interested in developing this technology in your country please contact Dr. Gouya Ram-liebig at:**



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**Next month, this lecture will be fully available on our  
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