LASER-ASSISTED MINIMAL INVASIVE TREATMENT OF ECTOPIC URETERS

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As a supplement to the article "Ectopic Ureters and Urinary Incontinence: Selecting the Right Treatment for each Patient" by Dr. Nickel in this proceedings, we demonstrate the successful use of a diode laser for video-endoscopic surgical treatment in female dogs with intramural ectopic ureters.

Using a 30-watt diode laser with a 400-µm fiber (Limmer Laser, Germany) through the working channel of a 2.7-mm rigid endoscope (Karl Storz, Germany), we dissected the membrane between the urethra and the intramural ectopic ureter as far as proximal to the vesical sphincter.

The fascinating aspect of this new technique is the fact that diagnostic and curative intervention is performed simultaneously. We also demonstrate possible side effects in the form of accidental laceration of collateral urethral mucosa.

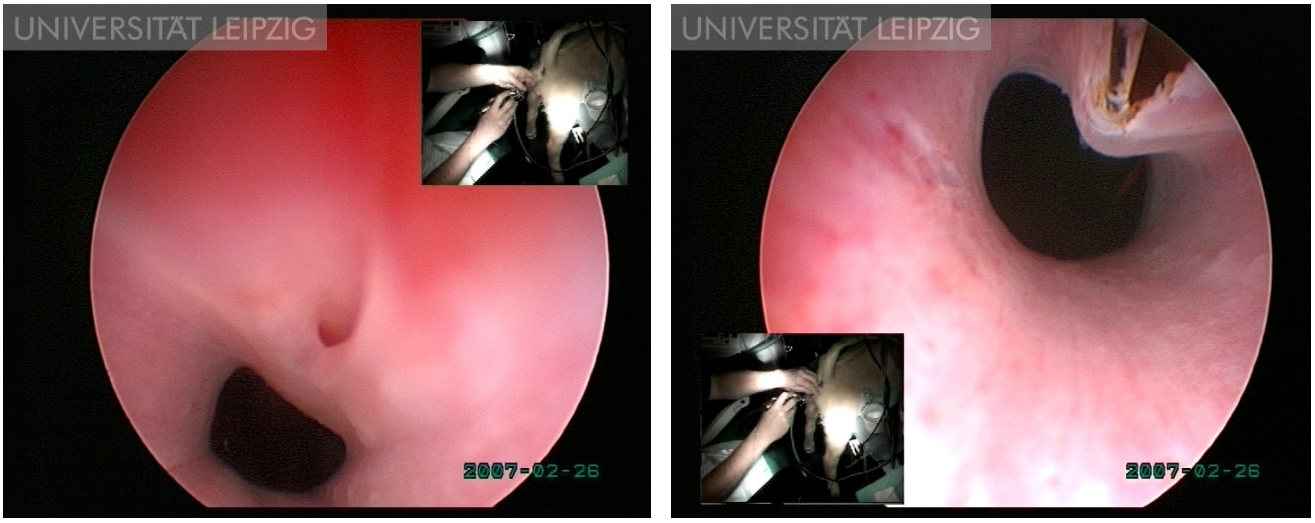

Figure 1. Distal opening of an intramural ectopic ureter (l*eft*) and dissection of the membrane between urethra and ureter with a diode laser fiber (*right*)