

## VID-12

### Endoscopic holmium laser lithotripsy in large pyelocalyceal stones in the era of 21st century.

#### Presentation of our experience

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#### Objective:

- To present the management of relatively large (1,5cm-2cm) pyelocalyceal stones not amenable to extracorporeal shockwave lithotripsy.

#### Patients and Methods:

- During the last year, 32 patients were operated for bulky pyelocalyceal stones with endoscopic holmium laser lithotripsy. 24 patients through flexible endoscope and the rest through semi-rigid ureteroscope.
- The operation time, the complications, the preoperative and postoperative values of stone size assessed by KUB along with the hospitalization time, were measured before the surgery and 3 months after the surgery.

#### Results:

- Mean age at presentation was 47 years (range: 18-66), 21 males and 11 females
- Mean surgical time was 113.96'.
- Mean stone size at presentation 1,75 cm
- Postoperatively, free stone rate was 84,3% (27pts.), and 93,7% (30pts.) at 3 months follow-up period after an adjuvant ESWL treatment .
- The mean hospital stay was 31 hours (18-96h).
- The complication rate was 23% for minor complications. No severe complication was noted.

#### Conclusions:

- For relatively large kidney stones not amenable to ESWL or after ESWL failure the endoscopic treatment nowadays is the modern urological approach and treatment of choice due to high safety and effectiveness.

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