MP73-17

Thulium Laser en-bloc resection of bladder Tumor (THUEB-BT): TIGER (Thulium Italian Group Established on Research) study to compare laser and electrical en-bloc transurethral resection of bladder tumor

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Aim and Methods

• Objective of the study: compare Thulium en bloc resection with Mono/Bipolar en bloc resection
• Randomized study: 178 patients ThuEB-BT vs 184 patients EBRBT
• Evaluation of: - Intra-operative and post-operative outcomes
  - Staging quality (detrusor involvement)
  - Tumor recurrence during follow up
Results

• NO difference in *pre-operative patients’ and tumors’ characteristics*
• NO significant differences in *operative time, catheterization time, hospitalization*
• Overall *complication rate*: 3.3% (Clavien >3)
• Difference in *Hemoglobin drop*
• Less *switch* to conventional TURBT
• *Recurrences* mainly *outside* the resection area for the ThuEBT group

<table>
<thead>
<tr>
<th></th>
<th>EBRBT</th>
<th>ThuEBT</th>
<th>p</th>
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</thead>
<tbody>
<tr>
<td>Haemoglobin drop, g/dl. (mean ± SD)</td>
<td>1.2±0.72 (0.5-2.4)</td>
<td>0.6±0.51 (0.1-1.4)</td>
<td>p = 0.015</td>
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<tr>
<td>Switch to conventional TURBT</td>
<td>23.6%</td>
<td>3.8%</td>
<td>p = 0.024</td>
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<tr>
<td>Presence of Detrusor muscle</td>
<td>89.9%</td>
<td>89.1%</td>
<td>p = 0.121</td>
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<td>Recurrence outside the resection area</td>
<td>59.5%</td>
<td>85.7%</td>
<td>p = 0.039</td>
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