Rectocele plication: Description of a novel surgical technique and results of clinical outcome

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Dr Etienne W Henn
Department of Obstetrics and Gynaecology
hennew@ufs.ac.za
DECLARATION OF INTEREST

None to declare
INTRODUCTION

Rectocele

How do you repair this?
INTRODUCTION
INTRODUCTION
METHODS

Design & Setting

Period: January 2010 – December 2015

Inclusion

Metrics
RESULTS

1349 Procedures

849 Rectocele repair & Other

139 Only rectocele repair

123 Analyzed (Mean 27 months)
# RESULTS

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Pre-op: N=139 (%)</th>
<th>Post-op: N=123 (%)</th>
<th>P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulge</td>
<td>73 (52.5)</td>
<td>10 (8.1)</td>
<td>&lt; 0.001†</td>
</tr>
<tr>
<td>OAB (wet)</td>
<td>30 (21.6)</td>
<td>13 (10.6)</td>
<td>0.02†</td>
</tr>
<tr>
<td>OAB (dry)</td>
<td>43 (30.9)</td>
<td>22 (17.9)</td>
<td>0.02†</td>
</tr>
<tr>
<td>Stress urinary incontinence</td>
<td>18 (12.9)</td>
<td>11 (8.9)</td>
<td>0.4</td>
</tr>
<tr>
<td>Recurrent UTI</td>
<td>26 (18.7)</td>
<td>8 (6.5)</td>
<td>0.006†</td>
</tr>
<tr>
<td>Constipation</td>
<td>57 (41)</td>
<td>35 (28.5)</td>
<td>0.04†</td>
</tr>
<tr>
<td>Obstructed defecation</td>
<td>49 (35.3)</td>
<td>17 (13.8)</td>
<td>0.001†</td>
</tr>
<tr>
<td>Anal incontinence</td>
<td>25 (18.7)</td>
<td>25 (20.3)</td>
<td>0.43</td>
</tr>
<tr>
<td>Sexual</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dyspareunia</td>
<td>25 (18)</td>
<td>15 (12.2)</td>
<td>0.25</td>
</tr>
<tr>
<td>Not sexually active</td>
<td>38 (27.3)</td>
<td>34 (27.6)</td>
<td>0.95</td>
</tr>
<tr>
<td>Quality of life score*</td>
<td>51.6 ± 16</td>
<td>74.2 ± 15</td>
<td>&lt; 0.001†</td>
</tr>
</tbody>
</table>
RESULTS

Op time:
- 31 minutes (19-52)

Blood loss:
- 62 milliliter (15-105)

Complications:
- N= 24 (17.3%)
  - SSI, UTI, Hematoma, Pain, Rectal injury

Anatomic success:
- N=109 (88.6%)

Repeat procedure:
- N= 7 (5.7%)

Different procedure:
- N= 24 (19.5%)
  - Median 30 months
CLINICAL IMPACT

- Among largest rectocele case series
- Novel procedure = philosophical union
- Medium term outcomes
  - Symptomatic
  - Anatomic
- Allow for simultaneous repairs
CONCLUSION

Rectocele plication
- Novel surgical procedure
- Combines philosophies

Overactive bladder
- Think posterior vaginal compartment
- Mechanism?

Prospective research required
- Ideally randomized to current standard
Thank you