Hypothesis and aim of study:
Data are scarce in the literature with regard to complications beyond 2 years after pelvic organ prolapse (POP) surgery with transvaginal mesh (TVM). Analysis of complications and time of appearance in the surgical treatment of POP with TVM.

Study design, materials and methods:
- Prospective observational study
- 75 women subsequently treated
- POP grade ≥ II in any compartment (Baden and Walker scale)
- Surgery between November 2005 and December 2008, learning-curve included since the first operated patient
- Tension-free transvaginal mesh Prolift®
- Complete mesh: 70, anterior: 4, posterior: 1 (same surgeon)
- 30 patients (40%) underwent concomitant treatment due to too severe urinary incontinence
- Median age of 67.6 (46.4 – 85.1)
- Median BMI of 26.1 (20.4 – 43)
- Average follow-up of 60 months (SD 17.6), minimum of 48 months
- Monitoring period schedule: 1, 3, 6 and 12 months, and then annually (or under patient requirement)

Results:

Anatomical:
POP correction (grade < 2 in any compartment) in 62/68 patients (91.2%)

<table>
<thead>
<tr>
<th>Compartment</th>
<th>N</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle</td>
<td>4</td>
<td>II</td>
</tr>
<tr>
<td>Anterior</td>
<td>2</td>
<td>III</td>
</tr>
<tr>
<td>Posterior</td>
<td>1</td>
<td>II</td>
</tr>
</tbody>
</table>

No further surgery was required

Functional:

Statistically significant improvement (p < 0.05)

Complications:
- Early complications N % IUGA/ICS classification Clavien-Dindo classification Reoperation (%)
  - Rectal perforation 1 (1.3%) SB7152 III Intraoperative reparation
  - Pulmonary embolism 1 (1.3%) TB7255 IV Resolution with medical treatment
  TOTAL 2 (2.6%) 40% 0%

- Average loss of haemoglobin: 1.91 g/dl (SD: 1.36). Transfusion rate: 0/75.
- No visceral, vascular or nerve lesions. No infection complications related to mesh, fistula or abscess.

Concluding message:
- Rate of serious complications was low and similar to what is described in the literature. Subsequent management was effective when required.
- There were many complications even after 3 years of surgery. For this reason we advice the importance of long-term follow-up of these patients.