

# 100 COMPLICATIONS - PROLAPSE AND INCONTINENCE SURGERY

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## Introduction:

RANZCOG encourages prolapse surgeons to keep a database. Surgical audit has been strongly advocated and now mandated by the recent Senate enquiry into transvaginal mesh (TVM) use. Complication rates have led largely to most TVM's being withdrawn from the market with the exception of a few mid-urethral slings.

Complications are recorded are part of the ongoing drive for surgical transparency, professional standards and public confidence. IUGA Classifies complications for uniformity.

## Methods:

A single surgeon series of 1340 transvaginal prolapse and incontinence procedures on 914 patients between Sept 2006 and April 2017 is presented. Complications have been recorded by type, timing and site intra operative 6 weeks, 6 months and 12 months post surgery (mean 9.4months). IUGA has developed complication codings for mesh and non mesh procedures.

## Results: complications per procedure

- **Category 1:** 34 - 2.54%
- **Categories 2,3:** 30/1035– 2.90% - 7/52 with hysterectomy 5/914 had excision of mesh, 0.54%, 2 complete explant 0.2%
- **Category 4:** 17/1035 (1.6%): -10 transient retention, 3 cystotomies, 3/785 sling release (0.3%) , 1 fistula
- **Category 5:** 1/621 (ant TVSSF, post repair ,SCC) rectal perf. 12m later
- **Category 6:** 10/574 TVSSF buttock pain (1.7%) 5 transrectal release, 2 lateral arm excision, 3 explants
- **Category 7:** 7/914 (0.76%) : 3 bleeding (all with hysterectomy).3 sepsis, 1 pulmonary embolus - all survived.

**Table 1: Comparative Complication Rates**

Categories	Total Cases	Expected %	Series %
1	34	15-30	2.54
2,3	30	10	2.90
4	17	3-15	1.60
5	1	3	0.2
6	10	5	1.7
7	7	3	0.76

*\*J.TRABECO 2015 UP TO DATE*

**Table 2: Timing**

year	cases	surg	T1	T2	T3	T4	totals
2006	6	15	0	0	0	0	0
2007	62	85	1	3	0	7	11
2008	78	103	2	3	1	3	9
2009	113	171	3	4	2	3	12
2010	140	204	5	4	5	5	19
2011	121	182	5	7	2	8	22
2012	95	146	4	4	3	1	12
2013	88	125	4	3	2	0	9
2014	59	88	0	0	1	0	1
2015	65	99	1	0	0	0	1
2016	63	83	1	0	0	1	2
2017	17	36	0	1	0	1	2
<b>total</b>	<b>914</b>	<b>1340</b>	<b>26</b>	<b>29</b>	<b>16</b>	<b>29</b>	<b>100</b>

## Conclusion:

- Overall complication rates compare favourably with published figures in systematic reviews.
- The trends to use mesh have shown initial enthusiasm tempered with the FDA 2011 review
- Drawing attention to complication rate leading to a sharp decline in its use due to poor media portrayal and class action law suits in Australia. Most transvaginal mesh kit products have been withdrawn. A personal surgical database represents an appraisal of skill and a reality check on trends in complications, mesh behaviour and long term success.

