Tips & Tricks Part I
Hysterectomy

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Head of Department

Hysterectomy Masterclass
ESI Hamburg 17th to 18th April 2013
Trips & Tricks

Part I  Hysterectomy
the big and the difficult uterus

Part II  Myomectomy
no limits ?

Part III  Ectopic fibroids
problems due to morcellation
Therapeutic algorithm for uterine fibroids

Asymptomatic uterine fibroids

- No therapy
- Observation
- Growth "suspect" fibroid (MRT / US)
  - Myomectomy
  - Hysterectomy

Symptomatic uterine fibroids

- Family planning pos. < 40 (45) years old?
  - Myomectomy
  - Hysteroscopic myomectomy
  - Laparoscopic myomectomy
- Uterus preservation requested
- Family planning neg.
  - Therapeutical curettage
  - Mirena®
  - Drugs
  - Ulipristal (UPA)
- Embolisation A. uterina?
- Focussed ultrasound

Family Planning neg.

- Hysterectomy
  - Preservation cervix
  - Subtotal hysterectomy
  - Total hysterectomy
- Vaginal
- Abdominal
- Laparoscopy
### Statistics 2000 - 2012

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cases of endoscopic surgery overall</strong></td>
<td>23000</td>
</tr>
<tr>
<td><strong>Hysteroscopy</strong></td>
<td>9500</td>
</tr>
<tr>
<td>Myomectomy</td>
<td>1400</td>
</tr>
<tr>
<td>Endometrial Ablation</td>
<td>1050</td>
</tr>
<tr>
<td>Uterine septum</td>
<td>230</td>
</tr>
<tr>
<td>Other</td>
<td>950</td>
</tr>
<tr>
<td><strong>Laparoscopy</strong></td>
<td>13500</td>
</tr>
<tr>
<td>Myomectomy</td>
<td>3100</td>
</tr>
<tr>
<td>Adnexal surgery</td>
<td>3600</td>
</tr>
<tr>
<td><strong>Total laparoscopic hysterectomy</strong></td>
<td>2300</td>
</tr>
<tr>
<td><strong>Subtotal laparoscopic hysterectomy</strong></td>
<td>1050</td>
</tr>
<tr>
<td>major complications</td>
<td>&lt; 2,0%</td>
</tr>
<tr>
<td>conversions to laparotomy</td>
<td>&lt; 0,1%</td>
</tr>
<tr>
<td>Lymphonodectomy</td>
<td>250</td>
</tr>
<tr>
<td><strong>Average weight</strong></td>
<td><strong>340 g</strong></td>
</tr>
<tr>
<td><strong>Average weight</strong></td>
<td><strong>450 g</strong></td>
</tr>
</tbody>
</table>

**Conversion rate:**
- To laparotomy: < 0,1%
Top Ten 2010

Main diagnosis „uterine fibroid“

- Charité
- Sachsenhausen
- MIC Berlin
- Uni Tübingen
- München West
- Albertinen HH
- Rostock
- Stuttgart Katharinen
- Wuppertal Bethesda
- München Maximilian
- Oldenburg Plus
- Uni Hannover
- Köln-Weyertal
- Speyer
- Münster
- Saarlouis
- Rhein-Main
Top ten 2010

Myomectomy & Endometrium Ablation

München West
Uni Tübingen
Charité
Sachsenhausen
Köln-Weyertal
Stuttgart
Wuppertal Bethesda
Rhein-Main
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Hysterecotmy
SLH & TLH

Uni Tübingen
MIC Berlin
Rostock
Charité
Witten
Sachsenhausen
Esslingen
Saarlouis
Dormagen
München West
Albertinen HH
Köln-Weyertal
Dernbach
Bielefeld
Elisabeth Köln
Rhein-Main
Münster
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Germany: 2000 gynecological departments/clinics 140.000 hysterectomies/year

Hospital Sachsenhausen Frankfurt am Main
Academic Teaching Hospital University of Frankfurt

HYSTERECTOMY Masterclass
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The big uterus

MRT?

1950 g

2750 g
The big uterus

Trocars 1
The big uterus

Trocars 2
The big uterus

Trocars 3

Palmer
The big uterus

Morcellation

10 cm

10 mm = 7,9 cm³

12 mm = 11,4 cm³

15 mm = 17,7 cm³

20 mm = 34,0 cm³
Hysterectomy

< 500 g or multiple fibroids
Video TLH

Surgery time

overall
22 min

Video 1 (original)
16 min

Video 2 (cut)
12 min

Video 3 (speed x 2)
6 min

TLH in 6 minutes?
Be careful...

Thank you for listening!
The future?

"Robotic hysterectomy was my answer."
- Hysterectomy Patient

Leading you to better health.

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