Retrograde Robotic Extraperitoneal Laparoscopic Prostatectomy (RRELP)

C.H. Rochat, Geneva
P. Dubernard, Lyon

IRUS 2009, Las Vegas
Laparoscopic prostatectomy (LP)

Sept. 1991  First intraperitoneal
           WW. Schuessler, U.S.A

June 1997  First extra-peritoneal
           A. Raboy, U.S.A

Nov. 1997  French first
           R. Gaston (followed by CC. Abbou,
           B. Guillonneau and G. Vallencien)

March 1999 Swiss first
           C.H. Rochat, R. Gaston

Dec. 1999  First retrograde extra-peritoneal
           P. Dubernard
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<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Name(s)</th>
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<tbody>
<tr>
<td>May 2000</td>
<td>Frankfurt</td>
<td>J. Binder</td>
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<tr>
<td>July 2000</td>
<td>Paris</td>
<td>C.C. Abbou</td>
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<tr>
<td>Sept. 2000</td>
<td>Paris</td>
<td>G. Vallencien</td>
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<tr>
<td>Nov. 2001</td>
<td>Detroit</td>
<td>M. Menon</td>
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Robotic Retrograde Extraperitoneal Laparoscopic Prostatectomy (RRELP)

- History of heavy abdominal surgery
- Prevention of intra abdominal complications
- Interest in reproducing the classic RP
Clinique Generale Beaulieu
Geneva
Robotic Prostatectomy
Preliminary Results N=303

Operative Technique :  91% transperitoneal
                      9% extraperitoneal

All cases of RRELP completed by 2 surgeons :
C.H. Rochat, P. Dubernard
Operative technique
(6 steps)

- Exposure and trocars placement
- Initial approach to the N.V.B.
- Exposure of the anterior half of the urethra
- Lateral and posterior dissection of the apico-urethral junction
- Retrograde prostato-semino-rectal cleavage
- Final section of the bladder neck and latero-vesical prostatic pedicles
Exposure and trocars placement
Initial approach to the N.V.B.
Exposure of the anterior half of the urethra
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Lateral and posterior dissection of the apico-urethral junction
Lateral and posterior dissection of the apico-urethral junction
Retrograde
prostato-semino-rectal cleavage
Retrograde prostato-semino-rectal cleavage
Final section of the bladder neck and latero-vesical prostatic pedicles
Final section of the bladder neck and latero-vesical prostatic pedicles
Summary
Three technical supports for the RRELP

1. Scardino
   Initial lateralisation of the ENVB

2. Walsh
   Anatomical retrograde dissection of the apex

3. Barré
   Subtrigonal dissection of lateral pedicles and SV