

When & How to move ... from Robotic Prostatectomy to Robotic Kidney surgery



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Robotic Surgery

Difficult or Dangerous?

- Robotic radical Prostatectomy is ...
more difficult than dangerous surgery!
 - no great vessel in contact - no massive bleeding
 - small operative field
 - well-known surgery by experienced open surgeon
 - the most frequent oncologic operation performed by experienced open surgeon
 - easy and quick to convert to open surgery
- ... thus we usually start with
Robotic radical Prostatectomy!

Robotic Surgery

Difficult or Dangerous?

- Robotic radical and especially partial Nephrectomy is ...
more dangerous than difficult surgery!
 - great vessel in contact - massive bleeding
 - greater operative field
 - less frequent oncologic operation
 - more difficult and time-consuming to convert to open surgery
- ... thus we usually leave Robotic radical and especially partial Nephrectomy later!

Strategies to move safer ... from robotic Prostatectomy to Robotic Kidney Surgery

- Established learning curve in robotic Prostatectomy
- Grade of difficulty of robotic kidney surgery
- Organising the operation theatre
- Technical tips and tricks

Established learning curve in robotic Prostatectomy helps starting robotic kidney surgery

- No published data ...
 - 50 robotic Prostatectomies for completed learning curve
- ... my personal experience:
 - having laparoscopic experience in kidney surgery
 - proctoring in only 2 cases of partial nephrectomy
 - started robotic kidney surgery after ~15 robotic Prostatectomies

Grade of difficulty of robotic kidney surgery

- ... from simple to difficult robotic kidney surgery
 - starting with symptomatic simple renal cysts
 - then moving to pyeloplasty, simple nephrectomy, radical nephrectomy for small or central tumor
 - for the end partial nephrectomy
- ... from “ideal” to more complicated patient
 - obesity, previous surgeries, morbidity etc

Organising the operation theatre

- All instruments for open surgery on a table ready for use
- A second gas bottle ready for use
- Experienced assistant and nurse
- Preparing for blood transfusion

Technical tips and tricks

- Trocar placement
 - like radical prostatectomy targeting the renal hilum
 - 4th arm for independent renal/ureter elevation
- Follow the landmarks of anatomy
- Avoid Satinsky clamp and vessel stapler
- Auxiliary renal artery
 - preoperative MRI angiography
- Do not hesitate to convert
 - ... before it becomes critical
 - conversion means wisdom and not failure!

Take home message

- Like in open surgery
robotic renal surgery is more dangerous
than prostate surgery!
- Gaining robotic experience
one can simplify the learning curve
of robotic renal surgery
- Robotic partial nephrectomy is not only
dangerous but also complex operation
needed much more expertise

Next meeting Friends of Robotics

www.seerss2013.com

2nd SEERSS International Congress in Robotic Surgery

SEERSS 2013

South Eastern European Robotic Surgery Society

Athens 11-13 October



the future of surgery is here

like in Milan and EAU Congress
2 days before SEERSS 2013