

# **Retroperitoneal Robotic Assisted Partial Nephrectomy with intraoperative ultrasound and 3D vascular imaging**

**Specialist Kidney Cancer Centre  
Royal Free Hospital  
London**

**14<sup>th</sup> January 2020**

## **AGENDA**

8.300 Registration / Coffee

09:00 Welcome and Introduction Faiz Mumtaz & Axel Bex

09:05 Positioning and placement of retroperitoneal ports Aziz Gulamhusein

09:20 Video demonstration of docking with Xi and Si Mudassar Hussain

09:30 Tumour assessment for Partial nephrectomy Omer Karim

09:40 Preoperative surgical planning with vascular 3D imaging Faiz Mumtaz

10:00 Live left retroperitoneal robotic partial nephrectomy: Faiz Mumtaz  
Mudassar Hussain

Moderators: Axel Bex and Omer Karim

- Live demonstration of positioning and docking
- Utility of 4<sup>th</sup> arm and role of assistance
- Approach to the hilum with 3D vascular imaging
- Isolation of tumour
- Demonstration of ultrasound/contrast doppler & 3 D imaging/ICG to plan resection
- Retroperitoneal renorrhaphy

12.00 Transperitoneal vs Retroperitoneal Prasad Patki & Neal Barber

## AGENDA

continued

12.30 **Lunch**

13.30 Live right retroperitoneal robotic partial nephrectomy:

Ravi Barod  
Omer Karim

Moderators: Neil Barber & Faiz Mumtaz

- Live demonstration of positioning and docking
- Utility of 4<sup>th</sup> arm and role of assistance
- Approach to the hilum with 3D vascular imaging
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15.30 Retroperitoneal robotic surgery : Tips and tricks and limitations

Neal Barber

16.00 Interesting, complex and difficult cases/complications:

- 4 cases will be discussed by the faculty

Moderators: Axel Bex, Faiz Mumtaz, Neil Barber & Ravi Barod

17:00 Computer Vision and AI in Robotic Surgery

Prof Dan Stoyanov

Closing Remarks

Axel Bex & Faiz Mumtaz