

Laparoscopic Radical Prostatectomy Course on 3D Printed Models

29-30 April 2025, Tuesday & Wednesday

Venue: RMK AIMES*, Istanbul, Turkey

*RMK AIMES: Rahmi M. Koç Academy of Interventional
Medicine, Education and Simulation

AIMS AND OBJECTIVES;

Introducing instruments used for the procedure, lectures and video presentations on laparoscopic radical prostatectomy with NVB sparing and extended pelvic LN dissection, practicing with laparoscopic training boxes and performing laparoscopic radical prostatectomy with NVB sparing on 3D printed models.

COURSE CONTENT:

- Lectures on laparoscopic instruments used
- Video presentations on laparoscopic radical prostatectomy
- Training on laparoscopy training boxes
- Hands-on training on 3D printed models

FACULTY:



Dr. Yakup Kordan

Professor of Urology
Koç University Hospital
Department of Urology
Istanbul, TR



Dr. A. Erdem Canda

Professor of Urology
Koç University Hospital
Department of Urology
Director, RMK AIMES
Training Center
Istanbul, TR



Dr. Melih Balcı

Professor of Urology
Medicana Ataköy Hospital
Department of Urology
Istanbul, TR



Dr. Yılmaz Aslan

Professor of Urology
Medicana Ataköy Hospital
Department of Urology
Istanbul, TR



PROGRAM

29 April 2025, Tuesday

09:00-12:00 Video presentations & lectures of step by step surgical techniques with tips & tricks:

- Laparoscopic radical prostatectomy
 - Neuromuscular bundle (NVB) sparing: complete / partial, interfascial / interfascial
 - Bladder neck sparing
 - Presence of a median lobe
 - Previous TURP/laser prostatectomy/open prostatectomy history
 - Bladder neck reconstruction
 - Previous radiotherapy for prostate cancer
 - Posterior & anterior reconstruction
 - Urethro-vesical anastomosis
 - Extended pelvic lymph node dissection
 - Management of surgical complications
 - Hemostatic agent application on preserved NVBs for sufficient hemostasis
 - Low pressure robotic prostate cancer surgery
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12:00-12:30 Lunch Break

12:30-16:30 Hands-on training: Laparoscopy training boxes

HANDS-ON TRAINING ON 3D PRINTED PROSTATE MODELS TO PERFORM LAPAROSCOPIC RADICAL PROSTATECTOMY

STEPS TO BE PERFORMED ON 3D PRINTED MODELS:

- Identification & dissection of seminal vesicles and vas deferences
 - Periprostatic fat tissue dissection & excision
 - Cutting pubo-prostatic ligaments
 - Identification of deep dorsal vein and suturing
 - Identification, dissection & cutting bladder neck (with bladder neck preservation)
 - Dissecting the the plane between prostate and bladder
 - Identification predissected seminal vesicles and vas deferences
 - Prostatic pedicle identification, dissection & applying endoclip and cutting
 - Neuro-vascular bundles (NVBs) identification, dissection & preservation
 - Prostatic apex dissection and cutting deep dorsal vein
 - Completion of prostatectomy
 - Performing urethro-vesical anastomosis
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16:30-17:00 Closing remarks & presenting certificates

30 April 2025, Wednesday

Live case observation in the operating room

There will be 2 participants per 1 prostate 3D printed model

Course registration fee for participant: 1000 USD

(includes tax, training materials, meals & coffee breaks, 2 nights stay at Koç University Hospital accommodation & dinner with faculty)

Please send an e-mail for more details to register: info@aimes.org

