



ICS Institute School of Modern Technology

3rd
**FUNCTIONAL UROLOGIC
SURGERY COURSE**

WITH
**3D PRINTED MODELS AND
FRESH-FROZEN CADAVERS**

18-19 June 2020 / İSTANBUL



MEDICAL 3D PRINTING & SIMULATION

TOPICS

- Fine pelvic dissection in male/female (bladder, prostate, rectum, pelvic plexus and vascular part)
- Male urethral dissection, sling and AUS procedures in post-prostatectomy
- Urethral support in female pelvic floor
- Anatomic tips and tricks for sacrocolpopexy
- Anatomic tips and tricks for sacral neuromodulation

COURSE MENTORS



Sherif Mourad

MD , Professor of Urology
Ain Shams University, Cairo, Egypt
ICS Past-General Secretary



Emre Huri

MD-PhD, Associate Professor of Urology
Hacettepe University, Faculty of Medicine, Urology Department
Director- ICS School of Modern Technology



David Castro Diaz

MD , Professor of Urology
Universidad de La Laguna. Hospital Universitario
de Canarias. Spain
ICS General Secretary



Alex Digesu

MD, PhD Consultant in Obstetrics & Gynaecology
Member, ICS Education Committee Member
Urogynaecology Subspecialist

Venue:

Bahcesehir University Faculty of Medicine
Prof. Rhoton Lab İstanbul / TURKEY

Contact:

info@eraorganization.org



ICS Institute School of Modern Technology

3rd FUNCTIONAL UROLOGIC SURGERY
COURSE WITH
3D PRINTED MODELS AND
FRESH-FROZEN CADAVERS

ADVANCED MASTERCLASS ON ANATOMY AND
SURGERY USING
3D-PRINTED MODELS AND FRESH-FROZEN
CADAVERS

In Collaboration with ICS Institute
School of Modern Technology

18-19 June 2020 / İSTANBUL

Course Venue:

Bahcesehir University Faculty of Medicine Prof. Rhoton Lab İstanbul / TURKEY

Course Directors and Trainers:

Alex DIGESU, MD-PhD, Urogynecology Subspecialist

David Castro DIAZ, MD-PhD, FEBU, FRCS, Professor of Urology

Emre HURİ, MD-PhD, FEBU, Urologist-Anatomist, Associate Professor of Urology

Sherif MOURAD, MD-PhD, Professor of Urology

Anatomy Supervisor and Trainer:

Okan BİLGE, MD, Anatomist, Professor of Anatomy

İlkan TATAR, MD, Anatomist, Associate Professor of Anatomy

İlker SELÇUK, MD, Gynecologic Oncologist; PhD Researcher, Anatomy

Course Overview/Scope:

Learning and teaching activities of surgical procedures on female and male pelvic anatomic/functional pathologies, technical tips and tricks, usage of technologic tools, anatomic pelvic dissection and pelvic organ identifications, materials for surgery, complications and problem solving, 3D printed models and interactive discussions

Aims and topics:

In male/female pelvic region:

- Detailed pelvic anatomic dissection with endo-assisted camera/head-mounted camera
- Male urethral dissection, reconstructive procedures, sling and AUS implantation
- Female urethral support surgery and vaginal dissection based on anterior-posterior part
- Tips and tricks of prolapse surgery (Sacrococpexy, Sacrohysteropexy, Sacrospinous ligament fixation, native tissue vaginal prolapse repair)
- Tips and tricks of SNS (Sacral Neuromodulation)-anatomy based training for beginners

All activities (theoretical, practical/hands-on training, surgical videos) will provide high-level fundamental scientific background on pelvic functional surgery to the urologists/urogynecologists who are interested in this field.

Target Group

Urologists

Gynecologists

Urogynecologists

Reconstructive pelvic floor surgeons

Participants: 25-30 (max. 4 station)

Endorsement: In collaboration with ICS Institute – School of Modern Technology

Financial Situation: In this course, there will be no advertisement of specific products, the products only used for academic aims in cadaveric surgeries. Course designed as non-profit status.

Intellectual Outcomes: All dissections and surgical procedures on cadavers will be recorded for ICS TV as educational material and training activity of School of Modern Technology. The evaluation forms will be filled by participants at the end of the course.

PROGRAMME / 18 June 2020, Thursday

09.00-09.30 Registration and Opening Ceremony - Emre HURİ, Sherif MOURAD

I. Theoretical/Audio-visual Session: Female Pelvic Part (160 minutes)

09:30 - 09:50 3D urogynecologic pelvic anatomy in female - İlkan TATAR

09:50 - 10:10 Anti-incontinence surgery: step by step TOT procedure - Sherif MOURAD

10:10 - 10:30 Pain after continence surgery: approach to painful patient - Alex DIGESU

10:30 - 10:50 Single incision sling: strengths and weakness - David Castro DIAZ

10:50 - 11:10 Coffee Break

11:10 - 11:30 Anti-incontinence surgery and surgical training: viewpoint of uroanatomy and functional uro-technology - Emre HURİ

11:30 - 11:50 Novel materials and technologic tools: Bulking agents and botox applications - Sherif MOURAD

11:50 - 12:10 Surgical anatomy of obturator fossa, sacral promontory and ischial spine - Alex DIGESU

12:10 - 12:30 Anatomic dissections in vesicovaginal fistula repair: tips and tricks with or without flap - Sherif MOURAD

12:30 - 13:30 Lunch

II. Theoretical/Audio-visual Session: Male Pelvic Part (160 minutes)

13:30 - 13:50 Detailed surgical pelvic and perineal anatomy in male case: from skin to pelvis - Okan BİLGE

13:50 - 14:10 Post-prostatectomy incontinence and anti-cholinergic therapy: anatomic and pathophysiologic reasons - Emre HURİ

14:10 - 14:30 Anti-incontinence surgery: retropubic sling approach and urethral reposition - Sherif MOURAD

14:30 - 14:50 Coffee Break

14:50 - 15:10 Anti-incontinence surgery: transobturator sling approach and adjustment of urethral support- Emre HURİ

15:10 - 15:30 AUS implantation: anatomic and technical tips and tricks- David Castro DIAZ

15:30 - 15:50 Neuromodulation for beginners - Alex DIGESU

15:50 - 16:10 Vaginal approaches to pelvic organ prolapse repair - İlker SELÇUK

19:00 Course Dinner

19 June 2020, Friday

Hands-on Cadaveric Training and Practice with 3D Models (330 minutes):

09.30-12.30 Dissection

Cadaveric Dissection Supervisors and Trainers

Sherif MOURAD	Okan BİLGE
Emre HURİ	İlkan TATAR
David Castro DIAZ	İlker SELÇUK
Alex DİGESU	

AIM

- Surgical anatomy-based dissection on fresh-frozen cadavers
- Anatomic landmarks and relevant important structures
- All participants will gain experience on pelvic-perineal surgical anatomy with senior directed self-dissections on fresh-frozen cadavers
- 3D Printed female pelvic model for surgical anatomy and surgical procedures

Male/Female Anatomy (Pelvis, pelvic floor and perineal anatomy)

Urogenital organs Bladder, urethra, Prostate Endopelvic fascia Uterus, ovary, uterine tube Ligaments	Retroperitoneal anatomy Major vessels Ureter Obturator fossa and foramen Pelvic somatic and autonomic nerves
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Surgical Procedures

- Anti-incontinence surgery
 - Retropubic and trans-obturator approaches
- Transvaginal tape and transobturator tape procedures (TVT, TOT)
- Mini-slings
 - Adjustable male sling
 - Urethral reposition
 - AUS implantation
 - Anterior/Posterior vaginal tissue dissection
 - Vesico-vaginal fistula repairment
 - TVT and TOT procedures on 3D Printed pelvic model
 - Simulation based surgical training
 - TUR-Prostat Simulator
 - TUR-Bladder Simulator

12:30-13:30 Lunch

13:30-16:00 Dissection

16:00-16:30 Course evaluation

16:30 Closing remarks and certification ceremony