



zoom

ICS Institute School of Modern Technology

3rd

## FUNCTIONAL UROLOGIC SURGERY COURSE

WITH

3D PRINTED MODELS AND  
FRESH-FROZEN CADAVERS

**Zoom for Remote&Online Learning**

**5-6 November 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

#### TARGET POPULATION FOR THE COURSE

- Urologists
- Gynecologists
- Urogynecologists
- Reconstructive Pelvic Floor Surgeons

#### COURSE MENTORS



**Sherif Mourad**

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



**David Castro Diaz**

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



**Emre Huri**

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



**Alex Digesu**

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

#### Venue:

Bahçeşehir Üniversitesi Tıp Fakültesi  
Prof. Rhoton Lab İstanbul / TURKEY

#### Contact:

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**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

**Zoom for Remote&Online Learning**

**5-6 November 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:**

**İlkan TATAR**, Hacettepe University, Faculty of Medicine, Department of Anatomy

**Mehmet EZER**, Kafkas University, Faculty of Medicine, Department of Urology

**Batuhan AYDOĞAN**, İstanbul Memorial Hospital, Department of Urology

**Ardalan GHAFOURİ**, Hamad Medical Corporation, Department of Urology

**İker 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 (Sacrocolpopexy, 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 / 5 November 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 - İlkan TATAR

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 - 16:20 Surgical Case Discussion based-on Pre- Recorded Cadaveric Dissection: Ardalan GHAFOURİ, Mehmet EZER, Batuhan AYDOĞAN, İlker SELÇUK

### **19:00 Course Dinner**

## 6 November 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	Mehmet EZER	İlker SELÇUK
Emre HURİ	Ardalan GHAFOURİ	
David Castro DIAZ	İlkan TATAR	
Alex DİGESU	Batuhan AYDOĞAN	

#### 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