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4th KIDNEY TRANSPLANTATION COURSE

JULY 11-14, 2023
Istanbul • Türkiye

ADVANCED SURGICAL TECHNIQUES

Organised by



GENERAL INFORMATION

Objectives

- To **have a command** of basic and advanced terminology in kidney transplantation
- To **learn** about the clinical aspects of kidney transplants, from donor and recipient selection through to surgical and medical management post-transplant
- To **get** a full update about diagnosis and current management of the medical and surgical complications of kidney transplantation
- To **understand** how to improve the short and the long-term outcomes of kidney transplant recipients
- To **assess** kidney donors with complex medical history
- To **have** the opportunity to discuss practical aspects of difficult cases
- To **individualize** treatment according to the needs of kidney transplant patients
- To **facilitate** exchanging of best practices and to develop an international networking
- To **apply** the skills you learn on this course in your everyday workplace to deliver a better standard of care for your patients
- To **promote** the implementation of knowledge and to acquire competences in order to set up and sustain an effective kidney transplant program



2nd International Organ Donation Cartoon Competition
Honorable Mention Award / Hikmet Çil-Türkiye

Methodology

To improve theory by learning through experience and educational technology;

- Theoretical lectures
- Interactive learning
 - Live surgery & Live broadcast from 5 different transplant centers
 - Recipient and live donor advanced surgical techniques
 - Case studies

Target Group

- Consultant and trainee transplant surgeons
- Consultant and trainee nephrologists

Content

This training course program covers the basic and advanced aspects of kidney transplantation giving participants an opportunity to acquire comprehensive knowledge and skills on the following topics:

- Ethical and legal aspects of organ donation and transplantation
- Assessment of recipient and donors
- Transplantation immunology
- Clinical management of medical complications in kidney transplantation
- Management of surgical complications in kidney transplantation
- Organ allocation policies, matching and paired donation
- Setting up a kidney transplant program
- Developing an existing kidney transplant program

ACADEMIC QUALIFICATION

After successful completion of this course, participants will receive a certificate of accomplishment issued by the International Transplant Network®.

Learning Outcomes

The course will help you:

- To understand how to assess kidney donors and recipients, the critical features of surgical transplantation, tissue typing and the medical management of kidney transplant recipients
- To gain up-to-date knowledge of acute developments in the clinical management of transplantation and its complications
- To evaluate real cases of donor and recipient assessment, cross-matching and infectious complications of transplantation
- To critically reflect on ways to improve current practice and the patient pathway

Course Chairs

Emin Barış Akin, MD.

Co-Chair

Istanbul Bilim University
Florence Nightingale Hospital
Kidney&Pancreas Transplant Center
Istanbul-Turkiye

Frank Dor, MD.

Co-Chair

Imperial College Renal & Transplant Centre
Hammersmith Hospital
Imperial College Healthcare NHS Trust
London-UK

Academic Coordinator

Sanem Çimen, MD.

Health Sciences University,
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Turkish Society of Transplant Coordinators

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European Accreditation Council
for Continuing Medical Education
(EACCME)
An Institution of the UEMS

(in progress)

Faculty

National and international transplant professionals with a high level of expertise in deceased and living donor kidney transplantation. Based on their teaching experience, they will guide participants and provide them personalized feed-back through theoretical lectures, live surgeries & broadcasts, case exercises and discussions.

Program • ADVANCED SURGICAL TECHNIQUES

1st Day • July 12, 2023

08:00 - 09:00 REGISTRATION AND WELCOME

08:00 - 08:30 Registration and coffee

08:30 - 08:40 Welcome and Introduction to the Course

08:40 - 09:00 Introduction of the participants

09:00 - 09:30 MORNING DISCUSSION: LIVING DONOR NEPHRECTOMY TECHNIQUES

09:00 - 09:15 Informed consent for the donor in live kidney donation

Frank Dor, UK

09:15 - 09:30 Informed consent from legal perspective

Bonnie Venter, UK

09:30 - 09:45 COFFEE BREAK

09:45 - 10:15 **Keynote Lecture: How did the living donor nephrectomy evolve**

Lloyd Ratner, USA

10:15 - 10:45 **Keynote Lecture: Living donor risk index**

Dorry Segev, USA

10:45 - 12:00 LIVE ONLINE CONNECTION TO ANKARA UNIVERSITY OPERATING ROOM: LAPAROSCOPIC DONOR NEPHRECTOMY PROCEDURE

10:45 - 10:55 Introduction: Laparoscopic donor nephrectomy surgical technique.

Acar Tuzuner, Turkiye

10:55 - 12:00 Online connection to operating room. "Laparoscopic donor nephrectomy procedure"

Acar Tuzuner, Turkiye

Content of discussion during the surgery (10 min discussion moderated by the mentors)

- Various technical strategies during laparoscopic donor nephrectomy

Lucrezia Furian, Italy

- Cons and Pros: Hand assistance vs total laparoscopy in donor nephrectomy

Frank Dor, UK

Program • ADVANCED SURGICAL TECHNIQUES

1st Day • July 12, 2023

12:00 - 13:00

LIVE ONLINE CONNECTION TO ANKARA UNIVERSITY OPERATING ROOM: KIDNEY TRANSPLANTATION PROCEDURE

Acar Tuzuner, Turkiye

Content of discussion during the surgery (10 min discussion moderated by the mentors)

- Different skin incisions, issues to be considered during closure of abdominal wall

Lorna Marson, UK

- Issues to be considered during preperation of iliac vessels and treatment of lymphocele

Sanem Çimen, Turkiye

12:00 - 13:00 LUNCH

13:00 - 13:30

DISCUSSION IN BETWEEN OPERATIONS

Surgical Challenges in Living Donor Kidney Transplantation.

Lloyd Ratner, USA

How to use safely, Monopolar, Bipolar, Ligasure, Harmonic Scalpel, Enseal, and Thunder-beat, How to avoid and Handle the complication of laparoscopic energy sources.

Introducing different vascular staplers: tips and tricks to use them

13.30 - 14.00

WHAT IF THINGS GO WRONG DURING LAPAROSCOPY

Frank Dor, UK

Be ready beforehand. The algorithm how to approach at the time of emergency bleeding.

Switch to hand assisted: extracorporeal suturing with hand assistance.

1st Day • July 12, 2023

14:00 - 15:30 **LIVE ONLINE CONNECTION TO BAHCESEHIR UNIVERSITY MEDICAL PARK HOSPITAL OPERATING ROOM: HAND-ASSISTED RETROPERITONEOSCOPIC DONOR NEPHRECTOMY PROCEDURE**

14:00 - 14:10 Introduction: "Retroperitoneoscopic hand-assisted donor nephrectomy"
Soykan Barlas, Turkiye

14:10 - 15:30 Online connection to operating room.
"Retroperitoneoscopic hand assisted donor nephrectomy procedure"
Soykan Barlas, Turkiye
Content of discussion during the surgery (10 min discussion moderated by the mentors)

- Challenges of hand assisted retroperitoneal access
Bariş Akin, Turkiye
- Intraabdominal complications in donor nephrectomy
Bariş Doğu Yıldız, Turkiye

15:30 - 16:30 **THE SURGICAL TECHNIQUE AND CHALLENGES IN KIDNEY TRANSPLANTATION**

15:30 - 15:45 Approach for multiple renal arteries and atherosclerotic ones
Bariş Doğu Yıldız, Turkiye

15:45 - 16:00 Approach for severe atherosclerotic recipient vessels
Alper Demirbaş, Turkiye

16:00 - 16:15 Approach for multiple and short veins, backtable procedures
Sanem Çimen, Turkiye

16:15 - 16:30 Bladder problems and management
Mert Altınel, Turkiye

16:30 - 17:00 **SURGICAL TECHNIQUE WITH VIDEO PRESENTATION: LAPAROSCOPIC DONOR NEPHRECTOMY VIA VAGINAL EXTRACTION**
İbrahim Berber, Turkiye

Content of discussion during presentation

- Advantages of vaginal extraction
- Potential risks of vaginal extraction

17:00 - 17:15 **COFFEE BREAK**

17:15 - 17:30 **LATE DISCUSSION:**

Cosmetic concerns, previous abdominal adhesions, previous hernia repair, body status: Always the same technique vs individualized for the patient
Frank Dor, UK

Program • ADVANCED SURGICAL TECHNIQUES

2nd Day • July 13, 2023

08:20 - 08:30 INTRODUCTION TO DAILY EVENTS

08:30 - 09:00 MORNING DISCUSSION

08:30 - 08:45 Learning Curve. Recipient Surgery

Lorna Marson, UK

08:45 - 09:00 Learning curve. Laparoscopy vs robotic surgery

Lucrezia Furian, Italy

09:00 - 09:30 RIGHT-SIDED DONOR NEPHRECTOMY. HOW LONG RENAL VEIN DO YOU NEED?

09:00 - 09:15 The tips and tricks for dealing with short renal vein

Lloyd Ratner, USA

09:15 - 09:30 A different transplantation technique that you may even cut the renal vein shorter. Erasmus University approach.

Diederik Kimenai, The Netherlands (Online connection)

09:30 - 09:45 COFFEE BREAK

09:45 - 10:30 QUESTION BOX: WE PUT SOME, YOU ADD MORE

Lorna Marson, UK

What you do for patients on clopidogrel for surgery?

Hematoma around the kidney. When and how to intervene?

Fluid collection around the ureter. When and how to intervene?

Revision of ureterocystostomy. What should be considered?

Dissection of recipient iliac vessels

Do you need to clamp the renal vein while doing arterial anastomosis at vascular construction?

Ureter dissection, with or without gonadal vein

Overdissection of iliac arteries. How much do you need?

Neurological complications of recipient surgery

Retractor related complications during kidney transplantation

How you find bladder at no urine recipients? Anatomic land marks

No veins, iliac veins found to be sclerotic, what can be done?

10:30 - 10:45 WHAT IF YOUR DONOR ASKS FOR OPEN NEPHRECTOMY?

MINI INCISION LIVING DONOR NEPHRECTOMY

Mini incision open donor nephrectomy technique

Vassilios Papalois, UK

10:45 - 12:00	LIVE ONLINE CONNECTION TO BASKENT UNIVERSITY OPERATING ROOM: LAPAROSCOPIC DONOR NEPHRECTOMY PROCEDURE
10:45- 10:55	Introduction: Living donor nephrectomy laparoscopic technique. Serdar Karaca, Turkiye
10:55 - 12:00	Online connection to Operating Room. "Laparoscopic technique" Serdar Karaca, Turkiye Content of discussion during the surgery (10 min discussion moderated by the mentors) • Difference between right and left sided donor nephrectomy Frank Dor, UK • Cons and Pros: laparoscopic vs retroperitoneoscopic donor nephrectomy Bariş Akin, Turkiye
12:00 - 13:00	LIVE ONLINE CONNECTION TO BASKENT UNIVERSITY OPERATING ROOM: KIDNEY TRANSPLANTATION PROCEDURE Serdar Karaca, Turkiye Content of discussion during the surgery (10 min discussion moderated by the mentors) • Back table procedures in living donation Bülent Oktay, Turkiye • Different approaches during ureter anastomosis Kamil Yakupoğlu, Turkiye
12:00 - 13:00	LUNCH
13:00 - 13:30	DECEASED DONOR TRANSPLANTATION
13:00 - 13:15	Techniques for kidney procurement, only kidneys vs multiple organs Acar Tüzüner, Turkiye
13:15 - 13:30	Tips and tricks for deceased donor kidney transplantation, backtable procedures Aydın Dalgıç, Turkiye
13:30 - 14:00	SURGICAL TECHNIQUE WITH VIDEO PRESENTATION: SINGLE PORT DONOR NEPHRECTOMY Gabriel Oniscu, UK (online) Content of discussion during presentation • Challenges of single port use • The benefits of single port

14:00 - 15:30	LIVE ONLINE CONNECTION TO FLORENCE NIGHTINGALE HOSPITAL OPERATING ROOM: ROBOTIC RETROPERITONEOSCOPIC DONOR NEPHRECTOMY PROCEDURE
14:00 - 14:15	Introduction: Robotic Retroperitoneoscopic Donor Nephrectomy Surgical Technique. Bariş Akin
14:15 - 15:30	Online connection to Operating Room. "Robotic Donor Nephrectomy" Bariş Akin, Türkiye Content of discussion during the surgery (10 min discussion moderated by the mentors) - Starting donor nephrectomy program with hand-assisted retroperitoneal access Soykan Barlas, Türkiye - Robotic arms versus hand assistance, Increasing safety in donor nephrectomy Lucrezia Furian, Italy
15:30 - 16:30	SURGICAL COMPLICATIONS FOR RECIPIENTS, HOW TO PREVENT, HOW TO BE IN TIME AND HOW TO FIX IT.....
15:30 - 15:45	Renal arterial and vein thrombosis Bülent Oktay, Türkiye
15:45 - 16:00	Ureteral stenosis and leakage Farhad Kheradmand, UAE
16:00 - 16:15	Approach for hematoma and lymphocele Tonguç Utku Yılmaz, Türkiye
16:15 - 16:30	Wound infections and management Ala Elcircevi, Türkiye
16:30 - 17:00	SURGICAL TECHNIQUE WITH VIDEO PRESENTATION: FULL RETROPERITONEOSCOPIC DONOR NEPHRECTOMY Ender Özden, Türkiye Content of discussion during presentation - Learning curve for full retroperitoneal access - Advantages of full retroperitoneal access over laparoscopy
17:00 - 17:15	COFFEE BREAK
17:15 - 17:30	LATE DISCUSSION: Challenging cases at recipient surgery Alper Demirbaş, Türkiye

3rd Day • July 14, 2023

08:20 - 08:30 INTRODUCTION TO DAILY EVENTS

08:30 - 09:00 MORNING DISCUSSION. PEDIATRIC KIDNEY TRANSPLANTATION

08:30 - 08:45 The planning for pediatric patients; recipient's weight, bladder problems, etc
Waldo Concepcion, UAE

08:45 - 09:00 Surgical challenges of pediatric kidney transplantation
Waldo Concepcion, UAE

09:00 - 09:15 Management of surgical complications in paediatric kidney transplantation
Nicos Kessarlis, UK (Online connection)

09:15 - 09:30 COFFEE BREAK

09:30 - 10:30 SOME IMPORTANT TOPICS

09:30 - 09:45 Multidisciplinary approach in kidney transplantation
Lorna Marson, UK

09:45 - 10:00 Increasing donor pool. Paired donation, ABO incompatible and high sensitized patients
Frank Dor, UK

10:00 - 10:15 Shared decision making
Bonnie Venter, UK

10:15 - 10:30 Prevention of organ trafficking, commercial transplantation, transplant tourism and Istanbul Declaration
Hannah Maple, UK

10:30 - 10:45 COFFEE BREAK

10:30 - 12:00 LIVE ONLINE CONNECTION TO KOC UNIVERSITY HOSPITAL OPERATING ROOM: LAPAROSCOPIC HAND-ASSISTED DONOR NEPHRECTOMY

10:30 - 10:45 Introduction: Laparoscopic hand-assisted donor nephrectomy technique.
Emre Arpalı, Türkiye

10:45 - 12:00 Online connection to Operating Room. "Laparoscopic hand assisted donor nephrectomy"
Emre Arpalı, Türkiye
Content of discussion during the surgery (10 min discussion moderated by the mentors)
• Switch to retroperitoneal hand assisted technique from laparoscopic hand assisted
Barış Akin, Türkiye

3rd Day • July 14, 2023

12:00 - 14:30	LIVE ONLINE CONNECTION TO KOC UNIVERSITY HOSPITAL OPERATING ROOM: ROBOTIC KIDNEY TRANSPLANTATION PROCEDURE
12:00 - 12:15	Introduction: robotic kidney transplantation Burak Koçak
12:15 - 14:30	Online connection to operating room. "Robotic kidney transplantation" Content of discussion during the surgery • Robotic assistance, benefits and future. Different robotics systems Aydın Dalgıç, Türkiye • The cost and further challenges in robotic kidney transplantation Volkan Tuğcu, Türkiye
14:30 - 15:00	QUESTION BOX: WE PUT SOME, YOU ADD MORE Lucrezia Furian, Italy Anything to consider in regards to adrenal gland Switch to another technique What if your recipient is so thin? What if your recipient is huge? The experiences for challenging cases of living donor nephrectomy My hand is shaking after the case. Hand assisted surgery and hand injury of the surgeon Incisional hernia, any strategies to prevent Organ injuries during intraabdominal approach What CT angiogram of donor reveals? How much you can trust? The pfannensteil incision for hand port. Other incisions. Endoscopic removal of kidney with previous intervention Remove the kidney with or without the Gerotas fascia
15:00 - 15:15	COFFEE BREAK
15:15 - 15:45	THE FINAL DISCUSSION: LAST QUESTIONS AND EVALUATION OF THE COURSE.
15:45 - 16:00	CERTIFICATION AND AWARD OF FELLOWSHIP

4th KIDNEY TRANSPLANTATION COURSE

Contact

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