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Endorsed by



4th KIDNEY TRANSPLANTATION COURSE

JULY 11-14, 2023
Istanbul • Turkiye

*ADVANCED SURGICAL TECHNIQUES
& TRANSPLANT NEPHROLOGY UPDATE*

Organised by



**TÜRKİYE
ORGAN NAKLİ VAKFI**
Turkish Transplant Foundation



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

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

Ortaköy Mosque



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

Chairs

Emin Barış Akin, MD.

Co-Chair

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

Arzu Velioğlu, MD.

Co-Chair

Marmara University Faculty of Medicine
Department of Nephrology
Istanbul-Turkiye

Frank Dor, MD.

Co-Chair

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

Maarten Naesens, MD.

Co-Chair

University Hospital Leuven/KU Leuven
Department of the Nephrology & Renal
Transplantation
Leuven-Belgium

Endorsed by



In Collaboration with



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 feedback through theoretical lectures, live surgeries & broadcasts, case exercises and discussions.

Academic Coordinators

Sanem Çimen, MD.

Health Sciences University,
Department of General Surgery
Ankara-Turkiye

Gizem Kumru, MD.

Ankara University,
Department of Nephrology
Ankara-Turkiye

Registration & Accommodation

Length & Calendar

3 days

July 11, 2023

Visit to selected transplant centers

July 11-14, 2023

Course



Venue & Accommodation

Theoretical Lectures:

ABC Hotel, Istanbul

Accommodation:

ABC Hotel, Istanbul



Application

The course attendance is limited to a max. of 75 participants.



Registration Fee

Early bird registration
(Deadline: April 30, 2023)

1.250.- EUR

for surgery course

1.000.- EUR

for nephrology course

Late registration

1.500.- EUR

for surgery course

1.250.- EUR

for nephrology course

Registration Package

The fee includes;

- access to scientific sessions
- accommodation up to 5 nights
- educational materials
- course bag
- certificate of attendance
- all transfers
- coffee breaks and luncheons
- networking and gala dinner

Cancellation Policy

There will be no refunds once your registration has been confirmed. Refunds will be issued only if the organiser elects to cancel the event due to force majeure.

Language

The official language of the course is English.

However, the organisation will provide simultaneous translation in French, Russian and Turkish.

Registration

To receive the registration form, please send a simple

e-mail: info@tonv.org.tr



Program • TRANSPLANT NEPHROLOGY UPDATE

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 - 10:30 TRANSPLANTATION IMMUNOLOGY

- 09:00 - 09:30 Pretransplant evaluation of immunological sick
- 09:30 - 09:50 HLA mathing vs epitope matching
- 09:50 - 10:10 Role of non-HLA antibodies in transplantation
- 10:10 - 10:30 Discussion

10:30 - 11:00 COFFEE BREAK

11:00 - 12:15 EVALUATION OF DONOR AND RECIPIENT

- 11:00 - 11:20 Pretransplant donor evaluation: a concept of marginal donor
- 11:20 - 11:40 Pretransplant evaluation of recipients
- 11:40 - 12:00 Potential risk of living donation in the long-term
- 12:00 - 12:15 Discussion

12:15 - 13:30 LUNCH

13:30 - 14:30 PLENARY SESSION

- 13:30 - 14:00 Induction therapies in kidney transplantation
- 14:00 - 14:15 Discussion

14:15 - 15:45 TRANSPLANTATION AND ACUTE REJECTION

- 14:15 - 14:35 Differential diagnosis of acute allograft dysfunction
- 14:35 - 14:55 Allograft pathology: Tips and Tricks
- 14:55 - 15:15 Treatment of acute cellular and ABMR
- 15:15 - 15:35 Non-invasive methods in the diagnosis of acute rejection
- 15:35 - 15:45 Discussion

15:45 - 16:15 COFFEE BREAK

16:15 - 17:30 TRANSPLANTATION AND INFECTIONS

- 16:15 - 16:35 CMV in 2023: updates in diagnosis and treatment
- 16:35 - 16:55 BKV Infection: diagnosis, follow-up and management
- 16:55 - 17:15 Kidney transplantation in patients with HIV
- 17:15 - 17:30 Discussion

Program • TRANSPLANT NEPHROLOGY UPDATE

2nd Day • July 13, 2023

09:00 - 10:30 STRATEGIES TO INCREASE THE DONOR POOL IN KIDNEY TRANSPLANTATION

09:00 - 09:20 ABOi transplantation

09:20 - 09:40 Paired kidney donation

09:40 - 10:00 Is Xenotransplantation a solution for organ shortage

10:00 - 10:15 Discussion

10:15 - 10:45 COFFEE BREAK

10:45 - 12:15 CLINICAL TRANSPLANTATION & COMPLICATIONS

10:45 - 11:05 Post-transplant diabetes mellitus

11:05 - 11:25 Post-transplant cardiovascular complications

11:25 - 11:45 Osteoporosis after kidney transplantation

11:45 - 12:05 Recurrent glomerulonephritis after transplantation: How to manage it?

12:05 - 12:15 Discussion

12:15 - 13:30 LUNCH

13:30 - 14:15 PLENARY SESSION

13:30-14:15 COVID-19 in KT: current recommendations in clinical practice

14:15-15:30 CLINICAL TRANSPLANTATION

14:15 - 14:35 Obesity and kidney transplantation: a problem in donor and recipient

14:35 - 14:55 Transplantation and pregnancy/lactation

14:55 - 15:15 Malignancy after renal transplantation: screening, prevention and treatment approach

15:15 - 15:30 Discussion

15:30-16:00 COFFEE BREAK

16:00 - 17:30 INTERACTIVE PRACTICAL WORKSHOPS

Room 1. What do I see on this kidney transplant biopsy?

Room 2. How do I interpret pre and post-immunologic tests?

Room 3. Is this person suitable for living kidney transplantation?
Donor and recipient perspectives

16:00 - 16:30 Group A:1 Group B: 2 Group C: 3

16:30 - 17:00 Group A:2 Group B: 3 Group C: 1

17:00 - 17:30 Group A:3 Group B: 1 Group C: 2

Program • TRANSPLANT NEPHROLOGY UPDATE

3rd Day • July 14, 2023

09:00 - 10:10 **TRANSPLANTATION IN SPECIFIC POPULATIONS**

09:00 - 09:30 Kidney transplantation in patients with hereditary disease

09:30 - 09:50 Kidney transplantation in SLE and vasculitis patients

09:50 - 10:10 Specific problems in pediatric kidney transplantation

10:10 - 10:30 Discussion

10:30 - 11:00 **COFFEE BREAK**

11:00 - 12:15 **TRANSPLANT PATIENT IN EMERGENCY ROOM: CASE DISCUSSIONS**

11:00 - 11:20 Approach to fever in a renal transplant recipient

11:20 - 11:40 Approach to diarrhea in a patient with renal transplantation

11:40 - 12:00 Approach to the patient with a failing graft

12:00 - 12:15 Discussion

12:15 - 13:30 **LUNCH**

13:30 - 15:00 **SHOW YOUR CASE AND CONSULT TO THE EXPERTS**

Five selected cases from attendees

15:00 Closing ceremony

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

09:15 - 09:30 The alternative endoscopic techniques for living donor nephrectomy.

Bariş Akin

09:30 - 09:45 **COFFEE BREAK**

13:30 - 14:15 **SURGICAL CHALLENGES IN LIVING DONOR KIDNEY TRANSPLANTATION**

09:45 - 10:00 How to use safely, monopolar, bipolar, ligasure, harmonic scalpel, enseal, and thundebat, how to avoid and handle the complication of laparoscopic energy sources.

10:00 - 10:15 Introducing different vascular staplers. Tips and tricks to use them

“Check the distribution of alternative techniques among the room and discussion”

10:15 - 10:30 **WHAT IF YOUR DONOR ASKS FOR AN OPEN NEPHRECTOMY?**

MINI INCISION LIVING DONOR NEPHRECTOMY.

10:00 - 10:15 Mini incision open donor nephrectomy technique

“Check the distribution of alternative techniques among the room and discussion”

10:30 - 12:00 **LIVE ONLINE CONNECTION TO ANKARA UNIVERSITY OPERATING ROOM: LAPAROSCOPIC DONOR NEPHRECTOMY PROCEDURE**

10:30 - 10:45 Introduction: laparoscopic donor nephrectomy surgical technique.

Acar Tüzüner

10:45 - 12:00 Online connection to operating room. “Laparoscopic donor nephrectomy procedure”

Content of discussion during the surgery

- Different approaches, different incisions in laparoscopic donor nephrectomy
- Intraoperative risks associated with laparoscopic donor nephrectomy
- Long-term complications and prevention

1st Day • July 12, 2023

- 12:00 - 13:00 **LIVE ONLINE CONNECTION TO ANKARA UNIVERSITY OPERATING ROOM: KIDNEY TRANSPLANTATION PROCEDURE**
Content of discussion during the surgery
- Things to consider during opening and closing of abdominal layers of the abdomen
 - Issues to be considered during preparation of iliac vessels
- Coffee break
- 12:00 - 13:00 **LUNCH**
- 13:00 - 13:30 **DISCUSSION IN BETWEEN LIVING TRANSPLANTATIONS**
- 13:00 - 13:15 Cons and Pros: laparoscopic vs retroperitoneoscopic donor nephrectomy
- 13:15 - 13:30 Cons and Pros: hand assistance vs total laparoscopy in donor nephrectomy
- 13.30 - 14.00 **WHAT IF THINGS GO WRONG DURING LAPAROSCOPY**
- 13:30 - 13:45 Be ready beforehand. The algorithm how to approach at the time of emergency bleeding. Switch to hand assisted. Extracorporeal suturing with hand assistance.
- 13:45 - 14:00 Laparoscopic continuous suturing, Dundee Jamming knot, and Aberdeen Termination. Intracorporeal Tumble Square Knot for Surgeons
- 14:00 - 15:30 **LIVE ONLINE CONNECTION TO BAHCESEHIR UNIVERSITY MEDICAL PARK HOSPITAL OPERATING ROOM: HAND-ASSISTED RETROPERITONEOSCOPIC DONOR NEPHRECTOMY PROCEDURE**
- 14:00 - 14:15 Introduction: "Retroperitoneoscopic hand-assisted donor nephrectomy"
Soykan Barlas
- 14:15 - 15:30 Online connection to operating room.
"Laparoscopic donor nephrectomy procedure"
Content of discussion during the surgery
- Challenges of hand-assisted retroperitoneal access
 - Intraabdominal complications in donor nephrectomy
- 15:30 - 16:30 **THE SURGICAL TECHNIQUE AND CHALLENGES IN KIDNEY TRANSPLANTATION**
- 15:30 - 15:45 Different skin incisions, issues to be considered during closure of abdominal wall
- 15:45 - 16:00 Approach for multiple or atherosclerotic renal arteries, back table procedures
- 16:00 - 16.15
- 16:15 - 16:30 Approach for multiple and short veins, back table procedures
Different techniques for ureter anastomosis, multiple ureters

Program • ADVANCED SURGICAL TECHNIQUES

1st Day • July 12, 2023

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

İbrahim Berber

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 concern, previous abdominal adhesions, body status: Always the same technique vs individualized for the patient

2nd Day • July 13, 2023

08:20 - 08:30 **INTRODUCTION TO DAILY EVENTS**

08:30 - 09:00 **MORNING DISCUSSION**

08:30 - 08:45 Robotic assistance, benefits and future. Different robotic systems.

08:45 - 09:00 Utilization of robotic assistance in kidney transplantation.

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

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

09:30 - 09:45 **COFFEE BREAK**

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

What do you do for patients on clopidogrel for surgery?

Small reminder. Nerve injury during Recipient surgery.

What if your donor asks for an open nephrectomy?

Hematoma around the kidney. When and how to intervene?

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

Revision of ureteroneocystostomy. What should be considered?

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

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

2nd Day • July 13, 2023

- 10:30 - 12:00 **LIVE ONLINE CONNECTION TO HACETTEPE UNIVERSITY OPERATING ROOM: LAPAROSCOPIC HAND-ASSISTED DONOR NEPHRECTOMY PROCEDURE**
- 10:30 - 10:45 Introduction: living donor nephrectomy laparoscopic hand-assisted technique.
- 10:45 - 12:00 Online connection to operating room.
“Laparoscopic hand-assisted technique”
Content of discussion during the surgery
- The advantages of hand assistance
 - Difference between right and left-sided donor nephrectomy
- 12:00 - 13:00 **LIVE ONLINE CONNECTION TO HACETTEPE UNIVERSITY OPERATING ROOM: KIDNEY TRANSPLANTATION PROCEDURE**
- Content of discussion during the surgery
- Back table procedures in living donation
 - Different approaches during ureter anastomosis
- 12:00 - 13:00 **LUNCH**
- 12:00 - 13:00 **CADAVERIC TRANSPLANTATION**
- 13:00 - 13:15 Techniques for kidney procurement, only kidneys vs multiple organs
- 13:15 - 13:30 Tips and tricks for cadaveric kidney transplantation, back table procedures
- 13:30 - 14:00 **SURGICAL TECHNIQUE WITH VIDEO PRESENTATION: SINGLE PORT DONOR NEPHRECTOMY**
- Content of discussion during presentation
- Challenges of single port use
 - The benefits of single port
- 14:00 - 15:30 **LIVE ONLINE CONNECTION TO FLORANCE NIGHTINGALE HOSPITAL OPERATING ROOM: ROBOTIC RETROPERITONEOSCOPIC DONOR NEPHRECTOMY PROCEDURE**
- 14:00 - 14:15 Introduction: robotic retroperitoneoscopic donor nephrectomy surgical technique.
Barış Akin
- 14:15 - 15:30 Online connection to operating room. “Robotic donor nephrectomy”
Content of discussion during the surgery
- What does the robot offer in donor nephrectomy
 - Cost of robotic donor nephrectomy

2nd Day • July 13, 2023

- 15:15 - 15:30 **COFFEE BREAK**
- 15:30 - 16:30 **SURGICAL COMPLICATIONS FOR RECIPIENTS, HOW TO PREVENT, HOW TO BE ON TIME AND HOW TO FIX IT.....**
- 15:30 - 15:40 Renal arterial and vein thrombosis
- 15:40 - 15:50 Ureteral stenosis and leakage
- 15:50 - 16:00 Neurologic complications
- 16:10 - 16:20 Wound infections and management
- 16:20 - 16:30 Prevention and treatment for lymphocele
- 15:30 - 16:30 **SURGICAL TECHNIQUE WITH VIDEO PRESENTATION:
FULL RETROPERITONEOSCOPIC DONOR NEPHRECTOMY**
Ender Özden
Content of discussion during presentation
- Advantages of full retroperitoneal access over laparoscopy
 - Potential risks of full laparoscopy
- 17:00 - 17:15 **COFFEE BREAK**
- 17:15 - 17:30 **LATE DISCUSSION:**
Which donor nephrectomy technique is suitable for you?

3rd Day • April 28, 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
- 08:45 - 09:00 Surgical challenges of pediatric kidney transplantation
- 09:00 - 09:15 Management of surgical complications in pediatric kidney transplantation
- 15:15 - 15:30 **COFFEE BREAK**
- 09:00 - 09:30 **SOME IMPORTANT TOPICS**
- 09:30 - 09:45 Multidisciplinary approach in kidney transplantation
- 09:45 - 10:00 Prevention of organ trafficking, commercial transplantation, transplant tourism and Declaration of Istanbul
- 10:00 - 10:15 Paired donation, ABO incompatible and high sensitized patients
- 10:15 - 10:30 **COFFEE BREAK**

3rd Day • July 14, 2023

- 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.
Online connection to operating room.
- 10:45 - 12:00 “Laparoscopic hand-assisted donor nephrectomy”
- 12:00 - 14:30 **LIVE ONLINE CONNECTION TO KOC UNIVERSITY HOSPITAL OPERATING ROOM: ROBOTIC KIDNEY TRANSPLANTATION PROCEDURE**
- 12:00 - 12:20 Introduction: robotic kidney transplantation
Burak Koçak
- 12:20 - 14:30 Online connection to operating room. “Robotic kidney transplantation”
Volkan Tuğcu
Content of discussion during the surgery
- Robotic assistance, what does it offer in kidney transplantation
 - Cost of robotic transplantation
- 14:30 - 15:00 **QUESTION BOX: WE PUT SOME, YOU ADD MORE**
Overdissection of iliac arteries
Retractor complications during kidney transplantation
How do you find bladder at no urine recipients? Anatomic landmarks
Anything to consider in regard to adrenal gland
Switch to another technique
What if your recipient is so thin?
What if your recipient is huge?
The contraindicated living donor
My hand is shaking after the case. Hand-assisted surgery and hand injury of the surgeon
Incisional hernia, any strategies to prevent
How do you find bladder at no urine recipients? Anatomic landmarks
Organ injuries during intraabdominal approach
- 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**



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4th KIDNEY TRANSPLANTATION COURSE

Contacts

Dr. PhD. Sezen Yaraş Şeker (Mrs)

Turkish Transplant Foundation

Senior Project Coordinator

E-Mail : syaras@tonv.org.tr

Mobile : +90 533 427 28 51

Office : +90 312 361 55 55

Gökhan Hışır (Mr)

Turkish Transplant Foundation

Asst. Project Coordinator

E-Mail : ghisir@tonv.org.tr

Mobile : +90 530 648 73 80

Office : +90 312 361 55 55

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