HESPERIS
FOUNDATIONAL COURSE
20-22 April 2023, Budapest, Hungary
The 2023 edition of the HESPERIS Course consists of a 3-day in-person programme which includes lectures on hot topics in transplantation, guided group discussions and interactive case study presentations. In this dynamic and interactive live environment, participants will have the chance to meet faculty and gain first-hand knowledge from some of the most experienced professionals in the field.

In addition to the five key areas of transplantation the course usually covers (immunology, indications, organ donation & preservation, recipient management, and regenerative medicine), a new area has been included in the programme: in this year edition participants will have the opportunity to delve into the topic “value-based care in transplantation”, getting insight on the “value” in transplantation, the end of life management, and hearing about the stories by patients’ representatives.

To enhance interaction and participation, learners will be invited to submit clinical cases for discussion on the main topics of the course, and to present them onsite. The best one will be awarded with the “Paolo Muiesan Award for the Best Case Study Presentation”.

By taking this course, participants will gain an extensive view of transplantation and will be able to adopt a multidisciplinary approach to implement into their own transplant centres.

The European Board of Transplant Medicine of the Division of Transplantation of the UEMS recommends HESPERIS as preparatory course for the Exam on Transplant Medicine.

**Scientific Organising Committee**

Amelia Hessheimer  
Madrid, Spain

Annelies de Weerd  
Rotterdam, The Netherlands

**When**  
Thursday, 20 April 2023  
Saturday, 22 April 2023

**Where**  
Budapest, Hungary

**Target Group**  
Individuals who are entering the field and wish to further their career.
Participants will be able to benefit from additional online material that will allow them to delve into some of the course content further and to consider which topics to study based on their needs and expertise.

Each unit includes three to five lectures, each complemented by a selection of readings, a self-assessment quiz, and the slides provided by the faculty.

Please note that the online programme is not a mandatory requirement to attend the course.

### UNIT 1: IMMUNOLOGY

<table>
<thead>
<tr>
<th>Title</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Basics on HLA (Human leukocyte antigen) typing</td>
<td>Sebastiaan Heidt, Leiden University Medical Center, Leiden, The Netherlands</td>
</tr>
<tr>
<td>Traditional and virtual Xmatch</td>
<td>Anthony Dorling, King’s College, London, United Kingdom</td>
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<tr>
<td>The jungle of immunosuppression: the surgeon’s point of view</td>
<td>Roberta Angelico, Policlinico Tor Vergata, Rome, Italy</td>
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### UNIT 2: INDICATIONS

<table>
<thead>
<tr>
<th>Title</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Am I a candidate for a kidney transplant?</td>
<td>Raj Thuraisingham, The Royal Hospital, London, United Kingdom</td>
</tr>
<tr>
<td>Are there new indications for abdominal transplantations?</td>
<td>Roberta Angelico, Policlinico Tor Vergata, Rome, Italy</td>
</tr>
<tr>
<td>Indications for lung transplantation: current practice recommendations</td>
<td>Robin Vos, University Hospital, Leuven, Belgium</td>
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<tr>
<td>Heart in kidney transplantation: views from over the diaphragm</td>
<td>Luciano Potena, Policlinico Sant’Orsola Bologna, Italy</td>
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<tr>
<td>Indications and outcome in pancreas transplantation</td>
<td>Fabio Vistoli, University of Pisa, Pisa, Italy</td>
</tr>
<tr>
<td>Indications and complications in islet cell transplantation</td>
<td>Lorenzo Piemonti, San Raffaele Hospital, Milan, Italy</td>
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## UNIT 3: ORGAN DONATION & PRESERVATION

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Technique multiorgan retrieval</td>
<td>Luca Toti, Policlinico Tor Vergata, Rome, Italy</td>
</tr>
<tr>
<td>Living donation rules in liver: paediatric and adults</td>
<td>Roberta Angelico, Policlinico Tor Vergata, Rome, Italy</td>
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<tr>
<td>Machine perfusion</td>
<td>Robert Minnee, Erasmus MC, Rotterdam, The Netherlands</td>
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## UNIT 4: RECIPIENT MANAGEMENT

<table>
<thead>
<tr>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HBV (Hepatitis B virus), HCV (Hepatitis C virus) and HIV (human immunodeficiency virus) in transplant recipients: not only a liver problem</td>
<td>Quirino Lai, Policlinico Umberto I, Rome, Italy</td>
</tr>
<tr>
<td>Infection recurrence after transplantation</td>
<td>Jacopo Romagnoli, Policlinico Gemelli, Rome, Italy</td>
</tr>
<tr>
<td>Malignancies recurrence and de novo</td>
<td>Quirino Lai, Policlinico Umberto I, Rome, Italy</td>
</tr>
<tr>
<td>HCC (Hepatocellular carcinoma) management in liver transplantation</td>
<td>Quirino Lai, Policlinico Umberto I, Rome, Italy</td>
</tr>
<tr>
<td>Recurrent disease post kidney transplant</td>
<td>Raj Thuraisingham, The Royal Hospital, London, United Kingdom</td>
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</tbody>
</table>

## UNIT 5: REGENERATIVE MEDICINE

<table>
<thead>
<tr>
<th>Title</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>The prospects of regenerative medicine</td>
<td>Ton Rabelink, Leiden University Medical Center, Leiden, The Netherlands</td>
</tr>
<tr>
<td>Generation of mini organs</td>
<td>Nuria Montserrat, Institute for Bioengineering of Catalonia Barcelona, Spain</td>
</tr>
<tr>
<td>Cell therapies in organ transplantations</td>
<td>Marlies Reinders, Erasmus MC, Rotterdam, The Netherlands</td>
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<tr>
<td>Repair of organs through machine perfusion</td>
<td>Sandra Lindstedt, Lund University, Lund, Sweden</td>
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Day 1 (09:00-18:00) Thursday, 20 April

09:00 – 09:20  WELCOME
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

09:20 – 09:50  ICEBREAKER: GETTING TO KNOW EACH OTHER
Faculty and participants

SESSION 1 - IMMUNOLOGY (09:50-13:00)

09:50 – 10:00  SESSION INTRODUCTION
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands

10:00 – 10:25  DSA (DONOR-SPECIFIC ANTIBODIES)
Anthony Dorling, King’s College, London, United Kingdom

10:25 – 10:50  IMMUNOSUPPRESSION IN 2022: WHAT’S IN THE PIPELINE?
Martijn van den Hoogen, Erasmus MC, Rotterdam, The Netherlands

10:50 – 11:10  GUIDED GROUP DISCUSSION: CROSSING THE HLA BARRIER IN SOLID ORGAN TRANSPLANTATION
Anthony Dorling, King’s College, London, United Kingdom
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands

11:10 – 11:30  COFFEE BREAK

11:30 – 11:55  TOLERANCE: WHERE ARE WE?
Anthony Dorling, King’s College, London, United Kingdom

11:55 – 12:20  “MY MOST DIFFICULT CASE” - HIGHLY SENSITISED KIDNEY TRANSPLANT CANDIDATES
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands

12:20 – 12:40  GROUP DISCUSSION & WRAP-UP SESSION 1
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

12:40 – 13:00  CASE PRESENTATION ON “IMMUNOLOGY” AND DISCUSSION
Zoltán Deák-Ilkó, Semmelweis University, Budapest, Hungary

13:00 – 14:00  LUNCH BREAK
### SESSION 2 - INDICATIONS (14:00-18:00)

**14:00 - 14:10**  
**SESSION INTRODUCTION**  
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

**14:10 – 14:35**  
**EVALUATING & OPTIMISING RECIPIENT SARCOPENIA, FRAILTY, AND OBESITY**  
László Piros, Semmelweis University, Budapest, Hungary

**14:35 – 15:00**  
**RECIPIENT OPTIMISATION/PRE-HABILITATION IN END-STAGE ORGAN DISEASE**  
Nick Schofield, Royal Free Hospital, London, United Kingdom

**15:00 – 15:25**  
**LVAD: BRIDGE TO TRANSPLANT OR DESTINATION THERAPY?**  
Stephen Clark, Freeman Hospital, Newcastle, United Kingdom

**15:25 – 15:45**  
**GUIDED GROUP DISCUSSION: WHO IS "TOO SICK" TO TRANSPLANT?**  
Stephen Clark, Freeman Hospital, Newcastle, United Kingdom  
Nick Schofield, Royal Free Hospital, London, United Kingdom

**15:45 – 16:05**  
**COFFEE BREAK ☕**

**16:05 - 16:30**  
**CURRENT STATUS OF BETA CELL REPLACEMENT THERAPY**  
Steve White, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle, United Kingdom

**16:30 – 16:55**  
**POST-FONTAN PATIENTS IN ADULTHOOD: INDICATIONS FOR HEART AND COMBINED HEART-LIVER TRANSPLANTATION**  
László Ablonczy, Gottsegen National Cardiovascular Center, Budapest, Hungary

**16:55 – 17:20**  
**“MY MOST DIFFICULT CASE” - COMPLEX PORTAL VEIN THROMBOSIS (DISCUSSES LIVER TRANSPLANT AND MVT)**  
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

**17:20 – 17:40**  
**GROUP DISCUSSION & WRAP-UP SESSION 2**  
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands  
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

**17:40 – 18:00**  
**CASE PRESENTATION ON “INDICATIONS” AND DISCUSSION**  
Grzegorz Kowalewski, Children's Memorial Health Institute, Warsaw, Poland
Day 2 (09:00-18:00) Friday, 21 April

**SESSION 3 - ORGAN DONATION & PRESERVATION (09:00-13:00)**

09:00 – 09:10 **SESSION INTRODUCTION**
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

09:10 – 09:35 **DONOR EVALUATION: BIOLOGICAL RISK, INFECTIONS & NEOPLASMS**
Orsolya Deme, Hungarian National Blood Transfusion Service, Budapest, Hungary

09:35 – 10:00 **ETHICAL ISSUES IN LIVING & DECEASED ORGAN DONATION**
Hannah Maple, Guy’s Hospital, London, United Kingdom

10:00 – 10:25 **XENOTRANSPLANTATION: CLOSING IN ON CLINICAL REALITY**
Frank Dor, Imperial College Healthcare NHS Trust, London, United Kingdom

10:25 – 10:45 **GUIDED GROUP DISCUSSION: ETHICAL ISSUES IN XENOTRANSPLANTATION**
Hannah Maple, Guy’s Hospital, London, United Kingdom
Frank Dor, Imperial College Healthcare NHS Trust, London, United Kingdom

10:45 - 11:05 **COFFEE BREAK**

11:05 - 11:30 **ORGAN PRESERVATION & PERFUSION SOLUTIONS IN 2023**
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

11:30 – 11:55 **STRATEGIES FOR DCD HEART & LUNG RECOVERY**
David Goméz de Antonio, Hospital Universitario Puerta de Hierro Majadahonda, Madrid, Spain

11:55 – 12:20 **“MY MOST DIFFICULT CASE” - CO-MORBIDITIES IN LIVING DONORS**
Laszlo Wagner, Semmelweis University, Budapest, Hungary

12:20 – 12:40 **GROUP DISCUSSION & WRAP-UP SESSION 3**
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

12:40 – 13:00 **CASE PRESENTATION ON “ORGAN DONATION & PRESERVATION” AND DISCUSSION**
Emil Bluhme, Karolinska Universitetssjukhuset, Stockholm, Sweden

13:00 – 14:00 **LUNCH BREAK**
SESSION 4 - RECIPIENT MANAGEMENT
(14:00-18:00)

14:00 – 14:10  SESSION INTRODUCTION
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands

14:10 – 14:35  SURGICAL CHALLENGES IN PAEDIATRIC TRANSPLANTATION
Hermien Hartog, University Medical Center Groningen, Groningen, The Netherlands

14:35 – 15:00  LONG-TERM COMPLICATIONS FOLLOWING SOLID ORGAN TRANSPLANT: CARDIOVASCULAR DISEASE AND CANCER
Tamás Benkő, Semmelweis University, Budapest, Hungary

15:00 – 15:25  ROLE OF NON-INVASIVE BIOMARKERS IN RECIPIENT MANAGEMENT
Balázs Sax, Semmelweis University, Budapest, Hungary

15:25 – 15:45  GUIDED GROUP DISCUSSION: CHRONIC ALLOGRAFT FAILURE & RE-TRANSPLANTATION
Martijn van den Hoogen, Erasmus MC, Rotterdam, The Netherlands
Tamás Benkő, Semmelweis University, Budapest, Hungary

15:45 – 16:05  COFFEE BREAK ☕

16:05 – 16:30  ANESTHESIA CARE & ENHANCED RECOVERY IN TRANSPLANT RECIPIENTS
Nick Schofield, Royal Free, London, United Kingdom

16:30 – 16:55  HOME MONITORING FOR TRANSPLANT RECIPIENTS
Martijn van den Hoogen, Erasmus MC, Rotterdam, The Netherlands

16:55 – 17:20  "MY MOST DIFFICULT CASE" - PAEDIATRIC PATIENT TRANSITIONING TO ADULTHOOD
Hermien Hartog, University Medical Center Groningen, Groningen, The Netherlands

17:20 – 17:40  GROUP DISCUSSION & WRAP-UP SESSION 4
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

17:40 – 18:00  CASE PRESENTATION ON “RECIPIENT MANAGEMENT” AND DISCUSSION
Emma Calatayud Aristoy, Hospital Universitario Doctor Peset, Valencia, Spain
Day 3 (09:00-16:30) Saturday, 22 April

SESSION 5 - REGENERATIVE MEDICINE
(09:00-12:25)

09:00 - 09:10  SESSION INTRODUCTION
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands

09:10 - 09:35  IS EX SITU ORGAN REPAIR A REALITY IN 2023?
Martin Hoogduijn, Erasmum MC, Rotterdam, The Netherlands

09:35 - 10:05  BUILDING ORGANS - BIOHYBRID LUNG DEVELOPMENT
Bettina Wiegmann, Hannover Medical School, Hannover, Germany

10:05 - 10:30  EX SITU LUNG PERFUSION
David Goméz de Antonio, Hospital Universitario Puerta de Hierro Majadahonda, Madrid, Spain

10:30 - 10:50  COFFEE BREAK  ☕

10:50 - 11:15  CELL THERAPY: OPPORTUNITIES AND LIMITATIONS
Martin Hoogduijn, Erasmus MC, Rotterdam, The Netherlands

11:15 - 11:45  “MY MOST DIFFICULT CASE” - EXTENDED (<24 HOURS) EX SITU ORGAN PERFUSION
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

11:45 - 12:05  GROUP DISCUSSION & WRAP-UP SESSION 5
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

12:05 - 12:25  CASE PRESENTATION ON “REGENERATIVE MEDICINE” AND DISCUSSION
Eugenia Rosso, Azienda Ospedale Università di Padova, Padova, Italy

12:25 - 13:25  LUNCH BREAK  🍽️
SESSION 6 - VALUE-BASED CARE IN TRANSPLANTATION (13:25-16:05)

Anna Forsberg, Lund University/Skåne University Hospital, Lund, Sweden

13:55 – 14:20  MY EXPERIENCE AS AN ORGAN DONOR
Klára Mezei, Patient representative, Budapest, Hungary
Sandor Mihaly, Hungarian National Blood Transfusion Service, Budapest, Hungary

14:20 – 14:45  MY EXPERIENCE AS AN ORGAN RECIPIENT
Orsolya Szabó, Patient representative, Budapest, Hungary
Sandor Mihaly, Hungarian National Blood Transfusion Service, Budapest, Hungary

14:45 – 15:15  THE PATIENT’S DEATH: END OF LIFE MANAGEMENT, GRIEF AND PSYCHOLOGICAL LOSS PROCESSING
Ciro de Vincenzo, University of Padova, Padova, Italy

15:15 – 15:45  INCORPORATING VALUE IN THE IMPLEMENTATION OF NOVEL THERAPIES AND TECHNOLOGIES
Frank Dor, Imperial College Healthcare NHS Trust, London, United Kingdom

15:45 – 16:05  GROUP DISCUSSION & WRAP-UP SESSION 6
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain

CONCLUSION
16:05 – 16:30  AWARD CEREMONY AND FAREWELL
Annelies de Weerd, Erasmus MC, Rotterdam, The Netherlands
Amelia Hessheimer, Hospital Universitario La Paz, Madrid, Spain
**general information**

**venue**
Novotel Budapest Centrum
Address: Budapest, Ntak Sz 22041413, Rákóczi út 43-45, 1088, Hungary

**accreditation**
The online preparatory activities of the course are accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) to award 3 European CME credits (ECMEC®s) for each unit.

The on-site programme of the course has been accredited 19 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

**registration**
- ESOT member* 600 EUR
- Non-member 800 EUR
* in order to be eligible to register with an ESOT member fee, you must be an active ESOT member at least until the end of the course.

The registration fee includes:
- Access to scientific sessions
- Educational materials
- Certificate of attendance
- EACCME credits
- Coffee breaks and luncheons
- Networking dinner

The course attendance is limited to a maximum of 45 participants.

**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.

***Given the uncertainty caused by the Covid-19 pandemic, we recommend that participants purchase insurance to cover any losses resulting from the inability to attend the course due to Covid-19 infection.***
The HESPERIS Course is kindly supported by

and supported via an unrestricted educational grant by

ORGANISER CONTACT DETAILS

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