



Transplantation Science for Transplant Clinicians

There is an increasing demand in the UK and the international market for the provision of multi-professional courses which provide the underpinning theory relating to the rapidly evolving and ethically challenging area of human transplantation science. This course is the first of its kind to be offered within the UK and has been designed to traverse the theory to practice interface in medicine and surgery.

www.liverpool.ac.uk/cpd/courses/health/transplantationscience/



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This course will be delivered wholly on-line and taught using an interactive style utilising key areas of where theory links to practice in transplantation science. Focus will be on solving complex problems, critical reading and thinking, critical reflection, all of which will be supported by keynote, pre-recorded, asynchronous on-line lectures and tutorials. All learning and teaching will be supported through an interactive Virtual Learning Environment (VLE) including the use of podcasts, videos, facilitated discussion boards, journal club and Wikis.

The module will cover four main themes:

- Introduction and History of Transplantation
- Immunology of graft rejection, tissue typing and immuno-genetics
- Immunosuppression
- Governance, Professionalism and Ethical Issues

Learning Outcomes:

On successful completion of this module, in relation to renal transplantation, the student will be able to:

- demonstrate in-depth knowledge and understanding of end-stage renal disease, CKD, and dialysis options to inform effective clinical decision making;
- demonstrate in-depth knowledge and understanding of relevant immunology, histocompatibility, immunogenetics (tissue typing) and immunosuppression to inform clinical decision making;
- demonstrate critical clinical reasoning to formulate and implement an appropriate immuno-suppression regime, in alignment with the specific patient presentation;

- evaluate critically the holistic clinical scenario on a per-case basis to assess the suitability of the 'donor-recipient matching';
- reflect critically on the relevant literature, protocols, guidance and policies to ensure current, evidence based practice for patient safeguarding and governance;
- self-appraise and reflect critically upon their own practice, professional values, ethics and behaviours and the impact of these on the patient and the wider multi-disciplinary healthcare team;
- apply critical clinical reasoning skills to effect optimum use of resources.

Target Audience

This 30 credit masters level module has been specifically developed for clinicians (surgeons and renal physicians) who specialise in the field of transplantation. Students must hold a medical degree and be currently working or have worked within the past 2 years in a transplant centre. Prior to admission, applicants must also demonstrate that they will have access to an appropriate work based clinical environment in transplantation.



For more information, please visit:

www.liverpool.ac.uk/cpd/courses/health/transplantationsscience/