

PAEDIATRIC SOLID ORGAN TRANSPLANTATION FELLOWSHIP

Introduction

The paediatric solid organ transplantation fellowship is offered by the Transplant Centre at the Hospital for Sick Children, a fully affiliated teaching hospital of the University of Toronto. The SickKids Transplant Centre, a multidisciplinary team including paediatricians, surgeons, pathologists, advanced practice nurses, allied health professionals, and clinician-scientists, is committed to provide state of the art clinical care to children and adolescents with end stage organ failure requiring a solid organ transplantation and to advance the field of transplantation through clinical and basic research. The Transplant Centre fellowship will have a one year term with the opportunity for a second year. For more information about the SickKids Transplant Centre please see www.sickkids.ca/centres/transplant-centre.

Aim of fellowship

The aim of the fellowship is for the trainee to acquire one or both of the following:

- clinical skills needed to care for infants, children and adolescents post solid organ transplantation
- research skills needed to pursue scholarly activity in the field of transplantation

Requirements

The fellowship is geared towards physicians who have:

- completed training in general paediatrics

- entered into or have completed subspecialty paediatric training (e.g. nephrology, cardiology, respiratory medicine, gastroenterology, infectious diseases, immunology, or critical care medicine)

Description of fellowship

The Fellowship is available in any one of the following solid organ transplant programs: kidney, liver and/or small intestine, lung, or heart. Consideration will also be given to cross-organ subspecialties including infectious diseases and/or immunology.

a) Clinical (if applicable)

Organ-specific inpatient and outpatient rotations and on-call coverage will occur as per the relevant division. The trainee will be responsible for the care of the transplant recipients on the inpatient ward under the supervision of the subspecialty paediatrician or the transplant surgeon. He/she will participate in clinical ward rounds, multidisciplinary rounds and educational rounds of each organ transplant service. He/she will participate in the assessment of children or adolescents for solid organ transplantation and may be involved in the care of patients awaiting a solid organ transplant. He/she will attend the out patient clinic and manage patients in the Medical Day Care unit. There will be opportunity to develop relevant procedural skills. The clinical rotations will vary with the need and qualification of each trainee.

b) Research (if applicable)

The trainee will have as a primary responsibility participation in clinical research and/or basic research relevant to transplantation. The trainee will attend the formal Transplant Centre educational rounds, the Research Institute's weekly Immunity, Inflammation, Injury and Repair research seminars and the University of Toronto Multi Organ transplant rounds.

Educational objectives

1. Basic science

By the end of the fellowship the trainee will become familiar with the basic science relevant to solid organ transplantation

- Transplantation immunology
- Basic immunologic mechanisms of rejection, the histologic and clinical diagnosis of rejection of the transplanted organ
- Pathophysiology of the complications of the transplanted organ
- Pharmacology of immunosuppressive drugs
- Developmental biology of organogenesis

2. Clinical skills (if applicable)

By the end of the fellowship the trainee will acquire the following skills necessary to provide care for children with a solid organ transplant.

- Expertise in the pre transplantation assessment
- Expertise in the immediate post operative management of solid organ transplant recipients
- Expertise in the diagnosis and treatment of rejection
- Expertise in the diagnosis and treatment of post transplant complications
- Expertise in the management of immunosuppression
- Expertise in the management of long term care of transplant recipients including but not limited to growth and development, post transplant lymphoproliferative disease, quality of life issues.
- Appreciation of the ethical issues involved in transplantation
- Principles of cost effectiveness related to the field of transplantation

Remuneration and administration

The remuneration is \$66,506 per annum with 4 weeks of vacation. The trainee must hold a valid educational license or be eligible for licensure in the province Ontario.

Formal evaluation of the trainee will occur during and at the end of the fellowship.

Applications should be sent to:

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