

# Advanced Techniques in Transplantation and Liver Disease Fellowship

McGill University Health Centre

Length 1 year

Number of positions 1

Fellowship Director Dr. Marc Deschenes

Candidates must secure funding in order to apply for this Fellowship.

Candidates must be fluent in English and be board certified in GI

1. Training Outline
2. Objectives
3. Roles of the trainee

1.

Liver Transplant service (at least ~~12~~ months)

- b. Hepatology outpatient clinic with supervision of viral therapy of at least 30 Hepatitis B and 30 Hepatitis C patients
- c. Independent longitudinal transplant clinic with care of at least 30 patients
- d. Primary on-call coverage (at least one week ~~month~~)
- e. Attend at least three living donor evaluation discussions (Dr. ~~Wong~~)
- f. Attend multidisciplinary hepatocellular / malignant liver disease ~~case~~
- g. Attend pediatric hepatology clinic (at least ~~one~~ month)

During the course of the 12 month fellowship, candidates will ~~attend~~ at least one international liver meeting (generally AASLD).

## 2. Training Objectives

The advanced fellowship in Transplantation and Liver Disease is intended to ~~train~~ training over and above that received in a basic hepatology and liver transplant fellowship. The expectation is that the candidate will obtain certification in Transplant Hepatology from the American Board of Internal Medicine (or equivalent ~~Canadian~~ certification should it become available).

### 3. Roles of the Trainee

1. MEDICAL EXPERT/CLINICAL DECISION MAKER  
The trainee should demonstrate:

- 1.1 Diagnostic and therapeutic skills for independent care of patients with common and uncommon hepatobiliary disorders
- 1.2 Advanced knowledge of the molecular biology and genetics of liver disease including liver virology. Advanced knowledge of the immunology of liver transplantation and immune suppression
- 1.3 The trainee should independently manage the care of at least 30 transplant recipients, including the decision to perform invasive diagnostic and interventional techniques.

The trainee should be versed in all aspects of:

- I. Acute and fulminant hepatitis: Viral, drug, toxic.
- II. Chronic hepatitis and cirrhosis with its complications
- III. Prevention of complications of cirrhosis
- IV. Advanced therapeutic options of hepatocellular carcinoma.
- V. Advanced diagnostic and therapeutic options of tumours of the biliary system such as cholangiocarcinoma, including molecular diagnostic techniques and the role of transplantation, chemotherapy and photodynamic therapy
- VI. All aspects of the care of chronic liver diseases such as: alcohol, Wilson's disease, primary biliary cirrhosis, autoimmune hepatitis, hemochromatosis, and alpha 1-antitrypsin deficiency. This care should include the management of extrahepatic complications
- VII. Congenital and acquired biliary disease including hepatic fibrosis, Caroli's disease, and biliary stones.
- VIII. Hepatobiliary disorders associated with or incidental to pregnancy.
- IX. Preoperative evaluation of known liver disease patients undergoing surgery, including assessment techniques for measuring hepatic reserve, and techniques for improving hepatic reserve
- X. Pediatric and congenital hepatobiliary disorders.
- XI. Comprehensive management of the liver transplant recipient, including immune suppression and assessment.

