

Clinical Fellowship in Transplantation Anesthesia

Clinical Research

Fellow will be involved in the following research projects:

1. Abstracts from these projects will be submitted to meetings for presentations and if accepted, papers should be published.

- [a] Magnesium in liver transplantation, perioperative management and influence on early outcome, cardiovascular and central nervous system.
- [b] Kidney function during perioperative period.
- [c] Anti-inflammatory effects of aprotinin including early outcome.
- [d] Cerebral blood flow during reperfusion in patients with severe encephalopathy.
- [e] Nitric oxide in liver transplantation for patient with pulmonary hypertension and/or patient with increased shunting.
- [f] Piggy-back technique, a substitution for veno-venous outcome.
- [g] Possible participation in experimental liver transplantation.
- [h] Factor VII in liver transplantation.

2. Participation in Canadian and International meetings and conferences.

Taking into consideration that we will be able to carry out two or three projects per year, abstract presentation will be possible at two or three meetings.

3. If possible, one paper per year prepared for publication.

LIVER TRANSPLANTATION FELLOWSHIP PROGRAM:

1. Duration of this program will be one year minimum. This should give an opportunity to be exposed to 40 - 60 liver transplantation procedures, including pediatric liver transplantation.

2. Fellow will be involved in a research project, including presentation of abstract during one of the anesthesia meetings or International Liver Transplantation Society Congress. Fellow should also prepare project for publication.

3. Fellowship program should also include :

- # participation on qualification and preparation of patients with liver dysfunction for liver transplantation with hepatology team [minimum 2 to 3 weeks]
- # with anesthesia consultation team on continuous basis
- # with surgical transplantation team [2 to 3 weeks] which will include post-

operative care in the Multitransplant Unit.

- # if possible, involvement in experimental transplantology
- # participation in postoperative care in Intensive Care Unit [minimum 5 to 10 cases]

Fellow will have supervisor from transplant anesthesia team [Dr. Dobkowski]. Supervisor will be responsible for preparation and/organization of minimum 8 to 10 seminars. During these seminars the following topics will be discussed:

- # anesthetic management during liver transplantation
- # postoperative intensive care [prepared by the ICU team]
- # one or two seminars with surgical team regarding technique of operation, veno-veno bypass, piggy-back technique, clamping, declamping, etc.

Fellow will be obligated to scrub for two or three liver transplantation procedures as a surgical assistant to better understand the surgical part of this operation.

Evaluation Procedure:

The Fellow will be evaluated on an ongoing basis based on their clinical management skills. Reports will be solicited from all staff members actively working with the Fellow. In addition, a formal written evaluation will be undertaken after each six-month period in the Fellowship. The results of this evaluation will be discussed in person with the Fellow and appropriate actions taken to ensure educational objectives are met.