

*VISITING GUEST FACULTY*



Peter C. Neligan,  
M.B., B.Ch., F.A.C.S.,  
Professor and  
Director, Center  
for Reconstructive  
Surgery, University  
of Washington



Philip S. Li, MD.  
Associate Research  
Professor of  
Urology, Associate  
Research Professor  
of Reproductive  
Medicine; and  
Director of

Microsurgical Research and  
Training Program at the Center  
for Male Reproductive Medicine  
and Microsurgery, Weill Medical  
College of Cornell University

*UNIVERSITY OF TORONTO  
COURSE COORDINATORS*

Dr. Darius J. Bągli (Pediatric Urology)  
MDCM, FRCSC, FAAP, FACS  
Associate Professor of Surgery  
Associate Surgeon-In-Chief,  
Sickkids Hospital

Dr. Ethan Grober (Infertility)  
MD, FRCSC  
Assistant Professor of Surgery  
Mt. Sinai Hospital

*MT. SINAI HOSPITAL*



Toronto's Mount  
Sinai Hospital is one  
of the preeminent  
health science  
centers in the  
World. The Division  
of Urology offers  
leading international  
clinical programs in  
Male Infertility &  
Andrology, and post-  
graduate training  
fellowships in Male

Reproductive Medicine & Microsurgery. The  
University of Toronto Surgical Skills Centre  
is a state-of-the-art surgical training facility,  
located in Mt. Sinai Hospital. All course  
activities and lectures will take place in the  
Skills Centre.

*THE HOSPITAL FOR SICK  
CHILDREN*

Sickkids  
Hospital is the  
largest pediatric  
health science  
centre in the  
world. It is the  
home of the  
University of  
Toronto post-  
graduate  
Research &  
Training Fellowship in Pediatric Urology,  
with an international reputation in urologic  
surgical reconstruction in children.



**SickKids**

**PEDIATRIC UROLOGY  
& INFERTILITY /  
ANDROLOGY**

**ELEMENTS OF  
UROLOGIC  
MICROSURGERY  
TRAINING COURSE**



**Surgical Skills Centre  
University of Toronto**

**FRIDAY – SATURDAY  
SEPTEMBER 19-20  
2008**



**UNIVERSITY OF  
TORONTO  
TORONTO, ONTARIO,  
CANADA**



## COURSE OBJECTIVES

The purpose of this 2-Day course is to provide an intensive, structured overview of the fundamental technical principles which comprise loupe and microscope assisted surgery, in the context of pediatric urology and infertility / andrology subspecialties. Mentored paired-instruction using video review and feedback of a variety of microsurgical domains, short didactic lectures, and wet-lab animal procedures will be employed.

At the conclusion of the course, participants will:

1. Understand the design & preparation of a microsurgical field for loupe and microscope work.
2. Become proficient with the OR microscope.
3. Become familiar with the essential ergonomic principles of microsurgical instruments.
4. Understand modern principals of flaps and grafts.
5. Receive a customized assessment of their individual strengths and weaknesses in specific technical domains of microsurgery for future practice.



## SCHEDULE OF LABS AND LECTURES

All Course activities will take place in the University of Toronto Surgical Skills Center, located at Mt. Sinai Hospital. (Schedule subject to revision)

FRIDAY Sept 19, 2008

**8:00AM-8:30AM**

Registration and Continental Breakfast

**8:30AM-8:40AM**

Welcome & Introduction (Drs. Bagli & Grober)

**8:40AM-9:00AM**

Course Overview - Exercises in Micorsurgery (Dr. Bagli)

**9:00AM-Noon**

Paired mentored stations in microsurgical domains training and evaluation - I

(15 Minute Coffee Break at 10:30AM)

**Noon- 1:00PM**

Buffet Lunch

**1:00PM- 1:20PM**

Modern Principles of Flaps, Grafts, & small wound healing (Dr. Neligan)

**1:20PM- 1:40PM**

Principles and Training in Current Microsurgical Techniques (Dr. Li)

**1:40PM-4:40PM**

Paired mentored stations in microsurgical domains training and evaluation - II

(15 Minute Coffee Break at 2:50PM)

**4:45PM-5:00PM** - Day I Wrap-Up

**6:30PM** - Dinner for Participants, Faculty, & Mentors (Location: TBA)

SATURDAY Sept 20, 2008

**9:00AM-9:30AM**

Continental Breakfast

**9:30AM-9:45AM**

Day 2 Overview (Dr. Grober)

**9:45AM- 12:30PM**

Paired mentored stations in loupe / microsurgical procedures:

- Small flap dissection
- Tubularization
- Flap and skin coverage
- Arterial, Vein, and Vasal Anastomoses

**12:30PM- 1:00PM**

Buffet Lunch & Lecture

Anastomotic Techniques: Arteries, Veins, and Nerves (Dr. Neligan)

**1:00AM-4:45PM**

Paired mentored stations in loupe / microsurgical procedures:

- Small flap dissection
- Tubularization
- Flap and skin coverage
- Arterial, Vein, and Vasal Anastomoses

**4:45PM-5:00PM** - Day 2 Wrap-Up

**5:00PM** - Adjourn

FOR REGISTRATION, HOUSING,  
TRAVEL, OR COURSE INFORMATION,  
PLEASE CONTACT:

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