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 postgraduate 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 postgraduate Research & Training Fellowship in Pediatric Urology, with an international reputation in urologic surgical reconstruction in children.
**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.

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**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)

**DAY ONE**

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 1 Wrap-Up

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

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**DAY TWO**

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 Anastamoses

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 Anastamoses

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

5:00PM - Adjourn

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For Registration, Housing, Travel, or Course information, please contact:

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