Introduction

The University of Toronto Surgical Skills Centre at Mount Sinai Hospital is pleased to present its Annual Report for 2014. We continue to implement new courses designed to enhance the surgical and medical educational curriculum at the University of Toronto and beyond.

Our Vision

Traditionally, acquiring surgical skills has been on patients within the operating room. However, given that surgical procedures are becoming increasingly complex and lengthy it is imperative to provide upcoming surgeons with the opportunity to gain surgical skills through didactic teaching and supervised hands-on practice.

The University of Toronto Surgical Skills Centre at Mount Sinai Hospital provides a laboratory setting where basic and complex surgical procedures can be learned and practiced. This will result in surgeons achieving a higher level of expertise more rapidly such that they can perform surgery independently quicker and aid in reducing waiting times for patients. Additionally, there is educational research conducted in skills acquisition and evaluation to ensure that the University of Toronto is constantly implementing the most efficient mode of teaching with our future surgeons.

Our goal is to become recognized internationally as a centre of excellence in surgical education.

Mission

• To change the way fundamental surgical skills are taught and evaluated.
• To provide a platform for continuing education in surgical skills.
• To provide a laboratory for research in and development of surgical skills innovation.
• To promote and enhance the teaching of surgical skills through the Surgical Skills Centre.

Accreditation

The University of Toronto Surgical Skills Centre at Mount Sinai Hospital has been a Comprehensive Accredited Education Institute with the American College of Surgeons since 2006. The American College of Surgeons Accredited Education Institutes (ACS-AEI) educate and train practicing surgeons, surgical residents, medical students, and members of the surgical team using simulation-based education.

Since the launch of the ACS-AEI program in 2005, standards have been set for how surgical education and training should be offered at Accredited Education Institutes. The goal is to promote patient safety through the use of simulation, to develop new education and technologies, identify best practices, and promote research and collaboration among institutes. Also the impact of education through long-term follow-up of learners and analysis of how to best incorporate aspects of surgical research into surgical education are evaluated.

The Consortium is comprised of 65 Comprehensive and 5 Focused ACS-accredited education institutes globally. The SSC was among the first institutes granted Accreditation in 2006.

Fundamentals of Laparoscopic Surgery

The Fundamentals of Laparoscopic Surgery was designed for surgical residents, fellows and practicing physicians to learn and practice laparoscopic skills and to have the opportunity to measure and document those skills. Since 2008 the Surgical Skills Centre has been an accredited testing site for FLS by the Society of American Gastrointestinal and Endoscopic Surgeons. The FLS program content has been endorsed by the American College of Surgeons (ACS) and is a joint educational offering of SAGES and ACS. FLS is also CME accredited.

Our goal is to provide surgical residents, fellows and practicing physicians an opportunity to learn the fundamentals of laparoscopic surgery in a consistent, scientifically accepted format; and to test cognitive, surgical decision-making, and technical skills, all with the goal of improving the quality of patient care.
Staff Bios:
Something you did not know about our staff:....

Dr. Oleg Safir, D.H. Gales Director: Has an enormous salt water fish aquarium that he enjoys relaxing in front of as well as maintaining. He spends his leisure time with his family and two children.

Lisa Satterthwaite, Senior Manager: Loves to cook and was the winner of the 2010 Mount Sinai Hospital Chef Challenge Team competition under the guidance of Chef Lynn Crawford and event host Gordon Ramsey. Each year she continues to volunteer at the event to help support cancer research.

Shunne Leung, Manager: Volunteers his time with Scouts Canada where he functions as the group administrator in Milton and as a leader in the troops section. As a member, he enjoys the opportunity to do activities such as arts and crafts, sing-along’s, outdoorsmanship, and camping.

Dezan Rego, Surgical Technician: Loves to spend time with her family and four dogs. Also, every year she makes hundreds of jars of her own secret tomato and pesto sauce!

Marina Romanova, Surgical Technician: Is a talented artist with a passion for photography and the great outdoors, especially canoeing and camping.

Jason Faria, Surgical Technician: Has a keen interest in sports and enjoys both playing and watching them, particularly basketball.

Dionne Banton, Administrative Assistant: Enjoys immersing herself within different cultures, doing so through frequent travel.

Serenity Thomas, Surgical Technician: She and her husband welcomed their second child, a brother, for their four year old daughter in June, 2014. In her leisure time she enjoys making jewelry with gemstones, sailing and cooking but hates baking.

Finch Taylor, Simulation/Surgical Technician: Is a rabid record collector, plays on two softball teams and had his first (and last) child this summer.

Anna Hrynko, Surgical Technician: Recently became a mother and is enjoying parenthood with her husband.
Letter from Dr. Rutka

The old adage of “See one; do one; teach one” is in need of revision. These days, uptake in the operating room of surgical skills amongst surgical trainees is being preceded by periods of hands-on experience in highly controlled, and beneficial environments where simulation of surgical procedures is conducted. Never has this been more true than today in the Surgical Skills Centre (SSC) at Mount Sinai Hospital where medical students, surgical residents, trainees from other Departments, fellows and faculty all benefit from the vast array of offerings in surgical simulation.

This past year was notable for the establishment of the “SSC Prep Camp” in which virtually all PGY1’s attended an intense 2 week hands-on course on the fundamentals of surgical procedures and skills. The Prep Camp is being monitored in such a fashion that we can longitudinally track residents’ performance and knowledge retention. In this way, the SSC continues to be a very fertile environment for educational research and testing of the value of surgical simulation.

The Surgical Exploration and Discovery (SEAD) course was offered once again to great acclaim amongst first year medical students from the University of Toronto. Thanks to the foresight and hard work of Nada Gawad, founder of the SEAD program, the description and early results of the impact of SEAD were published (Journal of Surgical Education 70: 487, 2013), and a phenocopy of the course was produced at the University of Illinois, and the University of Ottawa.

It has been a great pleasure for me to witness the tremendous progress that continues to be made within the SSC thanks to the tireless efforts of SSC Senior Manager Lisa Satterthwaite, and her staff, and SSC Director, Dr Oleg Safir. Special thanks are also given to Dr Jackie James, Vice President of Education at Mount Sinai Hospital, with whom we have worked to ensure that learners throughout the hospital have access to simulation techniques and expertise.

I have been delighted with the positive feedback we continue to receive from our corporate sponsors regarding the efficiencies and the professionalism that characterizes the SSC in their eyes. And we thank them for their continued support of the SSC in so many ways.

So, rather than “See one; do one; teach one” as a model of educating surgical trainees, it is likely becoming “See one; simulate one hundred; do several; teach one” as our system changes to accommodate the new learning process, and to ensure patient safety and best practices. I can think of no better training ground for all of this than at the SSC at Mt Sinai Hospital.

Sincerely,

James T Rutka, MD, PhD, FRCSC
RS McLaughlin Professor and Chair
Department of Surgery, University of Toronto

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Letter from Dr. James

As the importance of competency based medicine continues to increase across many disciplines, and new methods of minimally invasive surgery are being introduced at an ever increasing pace, it is imperative that both trainees and experienced clinicians have access to very high quality simulated surgical training to learn everything from the basics to very highly technically challenging skills. The Surgical Skills Centre continues to be at the leading edge of providing both the physical resources and equipment and the educational expertise to enable that learning.

In the past year, the Mount Sinai Hospital and the University of Toronto, Department of Surgery renewed their commitment to each other in a memorandum of understanding which acknowledges the SSC as an educational resource centre where learners and faculty have access to state-of-the-art programs, courses and models in procedure-based specialties, across all disciplines and professions with the ultimate goal of providing the safe, effective, patient care. In this agreement we also formally recognized the very important collaboration of SSC with the SimSinai Centre, which has as its mandate, to support the education of learners on clinical placement at the Hospital and to provide interprofessional training for employees and physicians using simulation techniques to improve the quality and safety of patient care.

In September 2014, Dr. Oleg Safir, Director of SCC and Dr. Sev Perelman, Director SimSinai Centre collaborated on presentations in Moscow at the Russian Society of Simulation Education in Medicine and 5th Congress Innovative Educational Technologies in Medicine, bringing their expertise in simulation to that part of the globe and demonstrating the far reaching reputation of simulation leadership that resides at Mount Sinai Hospital.

On its journey moves towards Vision 2017 to be Canada’s highest quality academic health science centre, providing the best medicine and best experience, the SSC has a major role to play in the Hospital’s educational mission. The Centre’s local, national and international impact on health professions education and educational research contributes to Mount Sinai Hospital’s unique place among academic hospitals.

I would like to thank and acknowledge Dr. Oleg Safir, Ms. Lisa Satterthwaite, and the entire SCC team for their ongoing hard work and collaborative efforts which have resulted in an outstanding and productive year.

Most sincerely,

Jacqueline James, MD, MEd, FRCPC
Vice President Education, Mount Sinai Hospital
Letter from Dr. Safir

The University of Toronto Surgical Skills Centre (SSC) has seen another eventful year, and we are eager to share the news with our friends.

This year was characterized by a noticeable expansion of simulation training and Competency-Based Curriculum programs, and the Surgical Skills Centre staff and management are proud to be at the heart of this exciting growth. As the home base for many laboratory-based courses in medical and surgical education, the SSC is also closely engaged in collaboration with other centres in Toronto. For instance, this year an Undergraduate Crash Course in Surgery that typically takes place at the SSC was partly extended to St. Michael’s Hospital’s new Li-Ka Shing Centre and was delivered there under the guidance of our staff. Reflecting the Department of Surgery Strategic Plan, the Surgical Skills Centre is at the heart of the new initiative to create a University of Toronto Skills Centre Network. While maintaining our ties with Mount Sinai Hospital’s SIM-Sinai centre and increasing the number of courses delivered at the SSC, we welcome the opportunity to share our expertise with the city’s other laboratories.

Yet another thrilling expansion comes from the Competency-based Curriculum (CBC) that is now a well-established program within the Department of Orthopaedics. It enjoyed such a resounding success since its inception in 2009 that not only has it become mandatory for all Orthopaedic trainees, replacing the traditional residency stream, but the Department of Surgery is now in the process of implementing CBC’s core elements for all surgical divisions. The Surgical Skills Centre has long-lasting connection with the CBC program in the form of supporting many of the training sessions, and it will be instrumental in expanding the CBC principles to the entire Department of Surgery.

In 2013, the Surgical Skills Centre has launched its own educational program of unprecedented scale – Surgical Prep Camp – a 2-week intensive course for all incoming PGY 1 residents that is designed to introduce the new trainees to the core concepts and skills in surgery, thus facilitating their later learning. Its first iteration was received exceptionally well, with each surgical division contributing to the teaching, and the results are impressive: the residents not only attain competence in basic surgical tasks, but these skills are maintained well beyond the initial training, as demonstrated by a retention test. Surgical Prep Camp is now a mandatory course that favourably distinguishes University of Toronto from other residency programs, and it earned a prestigious Excellence in Education Award from the Postgraduate Medical Education office.

Such progress could only be achieved by a dedicated, caring, knowledgeable and well-coordinated team. I am delighted to be involved in the Surgical Skills Centre’s busy and vibrant life, and to work alongside such great dedicated professionals as the SSC team.

Oleg Safir
D.H. Gales Director
Surgical Skills Centre

Core Curriculum: 15th Anniversary

Surgical Prep Camp Phases I and II

Department of Surgery PREP Camp Phase I and II 2013-2014 / Prep Camp Schedules

In July 2013 the Surgical Skills Centre saw its first attempt at introducing the Surgical PREP Camp. Following its success, the PREP camp was repeated in July 2014. PREP-camp is an intense, two week program for all incoming first year surgical residents at the University of Toronto but has also included residents from the Northern Ontario School of Medicine (NOSM). The concept for PREP camp originally began with the Toronto Orthopedic Boot Camp (TOBC), but fervent interest lead to the development of a program that included a wide variety of surgical procedures. Program Directors were able to outline several core skills that were deemed to be essential for all surgical residents.

The 2 week curriculum is comprised of a wide variety of lecture series, competitions, and corresponding hands-on skills training sessions. The fall curriculum takes place every Tuesday for 2 hours for 10 weeks starting in September and focuses on more specific skills along with a summer exam review. The sessions are mandatory for all residents and include MCQ testing as well as both pre and post Objective Structured Assessment of Technical Skills (OSATS). Our teaching assembly is comprised of faculty, residents as educators, nursing and industry group educators.

PREP Camp Phase 1 Sessions Daily 0930 – 1430 hrs:

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Course</th>
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<tbody>
<tr>
<td>Thursday July 2</td>
<td>1</td>
<td>Department of Surgery Orientation</td>
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<tr>
<td>Friday July 3</td>
<td>2</td>
<td>OSATS Pre Examination</td>
</tr>
<tr>
<td>Monday July 7</td>
<td>3</td>
<td>Gown, Glove, Prep &amp; Drape, Specialty Draping</td>
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<tr>
<td>Tuesday July 8</td>
<td>4</td>
<td>Gen Instrument ID, Basic Lap Skills, Specialty Instruments Power Tools, Instrument Count &amp; Documentation</td>
</tr>
<tr>
<td>Wednesday July 9</td>
<td>5</td>
<td>Instrument Handling, Knot Tying, Suturing</td>
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<tr>
<td>Thursday July 10</td>
<td>6</td>
<td>Airway, Chest Tube, Trach and Cric, Local Injections, Ng Tube, Intubation, Conscious Sedation</td>
</tr>
<tr>
<td>Friday July 11</td>
<td>7</td>
<td>IV Insertion, Cut Downs, US Techniques, Adv Suturing [Suturing Competition and Abdominal Wound Closure]</td>
</tr>
<tr>
<td>Monday July 14</td>
<td>8</td>
<td>Z Plasty, Excisional Biopsy, Casting, Catheterization</td>
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<tr>
<td>Tuesday July 15</td>
<td>9</td>
<td>Open Practice Session</td>
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<tr>
<td>Wednesday July 16</td>
<td>10</td>
<td>Radiology Seminars</td>
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<tr>
<td>Thursday July 17</td>
<td>11</td>
<td>OSATS Post Examination</td>
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PREP Camp Phase 1 Lectures 0830 – 0930 hrs:

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<thead>
<tr>
<th>Date</th>
<th>Lecture Topic</th>
<th>Speakers</th>
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</thead>
<tbody>
<tr>
<td>Monday July 7</td>
<td>Introduction to PREP Camp / Safety with Sharps</td>
<td>Dr. Oleg Safir &amp; Dr. Susan Glover Takahashi / Mathew Brown</td>
</tr>
<tr>
<td>Tuesday July 8</td>
<td>Electrosurgery &amp; Smoke Evacuation / Infection Control Updates and Review</td>
<td>Covidien, Mark St-Onge / Christine Moore</td>
</tr>
<tr>
<td>Wednesday July 9</td>
<td>Anatomy of the Suture / Instrument Handling and Knot Tying</td>
<td>Covidien, Christine Russell / Johnson &amp; Johnson, Faraz Nomani</td>
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<tr>
<td>Thursday July 10</td>
<td>Best Practices / Surgical Airway</td>
<td>Dr. Robin McLeod / Dr. Ian Witterick</td>
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<tr>
<td>Friday July 11</td>
<td>Radiation Safety / Vascular Control</td>
<td>Judy Reid / Luis Figuero</td>
</tr>
<tr>
<td>Monday July 14</td>
<td>Legal; Risk; Privacy / Catheterization</td>
<td>Wendy Lawrence &amp; Kim Parker / Erin Robertson RN &amp; Lisa Satterthwaite RP</td>
</tr>
<tr>
<td>Tuesday July 15</td>
<td>How To Be A Good Resident / Research in Surgery / Internal Med; ICU Review</td>
<td>Dr. Jesse Wolfstadt / Dr. Teodor Grantcharov / Dr. Luke Devine</td>
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PREP Camp Phase 2 Skills Sessions:

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Course</th>
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<tbody>
<tr>
<td>1</td>
<td>September 9</td>
<td>Vascular Anastomosis/ Tendon Injury Repair</td>
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<td>2</td>
<td>September 16</td>
<td>Casting and Splint Application / Use of All Power Tools</td>
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<tr>
<td>3</td>
<td>September 30</td>
<td>Microsurgery Techniques I / Bowel Anastomosis (Hand Sewn and Stapled)</td>
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<td>4</td>
<td>October 7</td>
<td>Ultra Sound Skills for Line Insertion</td>
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<td>5</td>
<td>October 14</td>
<td>Airway Olympics / Trach and Chest Tube Review</td>
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<td>6</td>
<td>October 28</td>
<td>Assorted Local Flaps and Advanced Wound Closures</td>
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<td>7</td>
<td>November 4</td>
<td>General Scoping Skills</td>
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<td>8</td>
<td>November 11</td>
<td>Lap Gallbladder/ Micro Surgery II</td>
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<td>9</td>
<td>November 18</td>
<td>Open Practice Session/ Lap Skills Competition Review</td>
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<tr>
<td>10</td>
<td>December 2</td>
<td>Lap Skills Competition and Holiday Season Celebration</td>
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Laparoscopic Skills Challenge

Due to a new curriculum schedule there were 2 annual Laparoscopic Skills Challenges in 2014! There were a total of 16 and 12 teams respectively vying for the championship title. The Prep Camp Phase 2 PGY 1 residents attended 3 weeks of intense laparoscopy training, honing in on basic lap skills. Residents paired up and each team member completed three timed tasks: suturing, cobra rope and peg transfer. The 2 teams with the fastest combined times then competed head to head in the championship round.

A congratulation to this year’s winning teams! Dr.’s Steven Gu and Shelly Luu, of the team “Glue You” February 2014. Both are from the Division of General Surgery. Dr. Shelly Luu posted the fastest time of the day in the competition. On December 2nd 2014 we congratulate Dr.’s Trevor Wood and Oscar Henao, of the team “To Be or Knot to Be”, they are both from the Division of General Surgery. Dr. Oscar Henao also posted the fastest time of the day.
Department of Surgery

Teaching Award
A large and dedicated faculty from the University of Toronto contributes and teaches during our former Core Curriculum and renewed PREP camp program. Each year residents nominate an exceptional faculty member for the University of Toronto Surgical Skills Centre at Mount Sinai Hospital Education Award. This award acknowledges Outstanding Contributions to Surgical Skills Education.

The Surgical Skills Centre is pleased to announce Dr. George Oreopoulos from the Department of Vascular Surgery as this year’s winner.

Division of Anatomy and Body Donation Program
The Division of Anatomy is an integral part of the SSC training curriculums supporting sessions with cadaveric tissue from the University of Toronto Body Donation Program. This precious gift is an inmeasurable opportunity for residents to hone their surgical skills utilizing high fidelity specimens in a safe and secure learning environment.

The Body Donation Program has been generously donating bodies to the Anatomy Division at University of Toronto to help support teaching and research needs at facilities such as the Surgical Skills Centre for over 14 years.

Division of Cardiac Surgery
This year the University of Toronto Cardiac Surgery Residency Program hosted the Summer Boot Camp at the Surgical Skills Center. The Boot Camp consisted of 6 workshops designed to familiarize junior cardiac surgical residents (PGY1-3) with some fundamental areas of knowledge and technical skill germane to the practice of cardiac surgery. Senior trainees (PGY4 and beyond) were expected to already possess such knowledge and skills and were therefore present to assist junior colleagues in training. The following sessions took place:

<table>
<thead>
<tr>
<th>Workshop</th>
<th>Date</th>
<th>Focus</th>
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<tbody>
<tr>
<td>1</td>
<td>July 18</td>
<td>Aortic Cannulation</td>
</tr>
<tr>
<td>2</td>
<td>July 25</td>
<td>Anastomoses</td>
</tr>
<tr>
<td>3</td>
<td>August 1</td>
<td>Open Practice</td>
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<tr>
<td>4</td>
<td>August 8</td>
<td>The Aortic Valve</td>
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<tr>
<td>5</td>
<td>August 15</td>
<td>The Mitral Valve</td>
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<tr>
<td>6</td>
<td>August 22</td>
<td>Basics of CPB (at the Toronto General Hospital)</td>
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</tbody>
</table>

Division of General Surgery
The General Surgery Anatomy course prepared for PGY2’s reviewed anatomy of the axilla, groin dissection, head and neck, upper abdomen, colon and pelvis. Lectures were held at the SSC Grand Room followed by hands on sessions at the U of T Anatomy lab. General Surgery also endeavored to have all residents trained and tested in the Fundamentals of Laparoscopic Surgery. At total of 21 residents completed and passed the testing at the SSC.

Division of Neurosurgery
Four divisional workshops were run by Dr. Abhaya Kulkarni, featuring microsurgery, shunt / EVD trouble-shooting, Mids drill training, and cadaveric craniotomies.

In addition to the summer boot camp, the Division of Neurosurgery has multiple sessions throughout the year including:
- University of Toronto Annual Spine Course / Dr. Eric Massicotte
- PGY 1-5 Endoscopic Endonasal Neurosurgery Course / Dr. Osaama H. Khan & Dr. Gelareh Zadeh
- PGY 1-6 End ventricular Workshop / Dr. James Drake
- PGY 2-5 Peripheral Nerve Dissection Workshop / Dr. Farhad Pirouzmand

PGY 3 Micro dissection Workshop / Dr. Julian Spears
PGY 3-6 Orbital Dissection Workshop / Dr. Farhad Pirouzmand
PGY 5 Brain Dissection Workshop / Dr. Todd Mainprize

49th Lougheed Course
This year the post-graduate Lougheed Microsurgical Course, run by Dr. Ivan Radovanovic and Dr. Michael Tymiński was held on October 27-31, 2014. The course was attended by 8 senior residents from across Canada. The Lougheed Microsurgery Course was established years ago and is dedicated to one of the most recognized neurosurgeons at the University of Toronto, Dr. Bill Lougheed. This semi-annual week long endeavor is provided for and attended by all Canadian neurosurgery residents.

Division of Orthopaedic Surgery

<table>
<thead>
<tr>
<th>Date Technical Skills</th>
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<tbody>
<tr>
<td>Friday, July 18</td>
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<td>Saturday, July 19</td>
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<td>Monday, July 21</td>
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<td>Wednesday, July 30</td>
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<td>Thursday, July 31</td>
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<td>Friday, Aug 1</td>
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<td>Tuesday, Aug 5</td>
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<td>Wednesday, Aug 6</td>
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The Surgical Skills Centre is an integral part of The University of Toronto orthopaedic residency training program supporting many of the 21 modules with hands on training, practice and examination sessions.

“This program is unique in the world. Based on a very successful pilot project that was approved by the Royal College, we have transitioned into a completely competency based curriculum, the first of its kind. This innovative training scheme follows basic principles including: progression through training based on demonstration of competency rather than a time based approach; early development of technical skills; frequent and rigorous assessment and feedback and elimination of non productive educational time. A key component of this is our Orthopaedic Boot Camp, which has won international Awards for its novel approach to teaching technical skills in the first month of training. This endeavour has proven so successful that it has been adopted by other Divisions
within the Department of Surgery at University of Toronto and other orthopaedic training programs in Canada. Competency based training is the future of Postgraduate Medical Education in Canada and internationally, and our program has been an international leader in this regard. A recent accreditation review by the Royal College of Physicians and Surgeons was very positive and complimentary toward our unique education approach."

Dr. Peter Ferguson, Program Director.

Division of Plastic and Reconstructive Surgery
The Surgical Skills Centre continues to assist in implementing the PGY2 Summer Boot Camp as well as annual Junior and Senior Resident curriculums. Along with the curriculums, Dr. Gregory Borschel and his colleagues have been utilizing the SSC facilities to focus on practicing facial nerve transplantation to help aid facial nerve paralysis in children.

PGY2 Surgical Skills Boot camp:

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
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<tbody>
<tr>
<td>Friday, January 10th</td>
<td>Finger Amputations</td>
</tr>
<tr>
<td>Friday February 7th</td>
<td>Bone Fractures of the Hand</td>
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<tr>
<td>Friday March 28th</td>
<td>Tendon Repair</td>
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<tr>
<td>Friday April 25</td>
<td>Breast Marking</td>
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<tr>
<td>Friday, May 23rd</td>
<td>Micro Repair</td>
</tr>
<tr>
<td>Tuesday, June 10th</td>
<td>Introduction to Being a Senior Resident</td>
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Academic Half Day Senior Resident Surgical Skills sessions:

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<tr>
<th>Date</th>
<th>Topics</th>
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<tbody>
<tr>
<td>Monday, October 7</td>
<td>Craniofacial – Part II – Reconstruction</td>
</tr>
<tr>
<td>Monday, December 2</td>
<td>Craniofacial Acute Injuries Part I</td>
</tr>
<tr>
<td>Monday, January 20</td>
<td>Flaps – Trunk and Face</td>
</tr>
<tr>
<td>Monday, March 3</td>
<td>Flaps Upper and Lower Extremity</td>
</tr>
</tbody>
</table>

Division of Urology

Junior Residents
Intro to Urology: Adult and Pediatric Catheterization, Suprapubic Tube Placement, Cystoscope Assembly and Proper Usage
Microsurgery
LASER safety and usage training
Open Procedures Porcine Lab
Laparoscopic Porcine Lab

Senior Residents
Microsurgery
Ureteroscopy
LASER techniques
Fellows
Pediatric Urology/Andrology Fellows: Elements of Microsurgery Skills Course

Fellows

Division of Vascular Surgery
Introduction to Vascular Instrumentation

Embolectomy
CEA Model
Radiation Safety and Introduction to Residency/ fellowship
Sapheno-femoral Dissection
EVAR Simulator
Vascular Anastomosis
Understanding Basic Vascular Ultrasound
Cook Medical Sizing for EVAR
VAC Demonstration
Endovascular basics and techniques
Harvesting of Veins
IVC Injury Repair
Tibial Bypass
Vessel and Anatomy Dissection
Above and Below Knee Popliteal Artery Exposure

University of Toronto
Departmental Programs

Department of Ophthalmology and Vision Sciences
Flaps and Grafts
Eyelid Repair
Strabismus Suturing I
Strabismus Suturing II
Toronto Ophthalmology Resident Introductory Course (TORIC): Toronto and McMaster Ophthalmology resident’s week long introductory program

Department of Otolaryngology-Head and Neck Surgery, OHNS
Toronto Rhinoplasty Course
Temporal Bone Drilling
Soft Tissue Dissection Workshop
Plastic Surgery Injectables Session
Sinuscopy
Vocal Cord Injection
Multiple temporal bone drilling sessions for junior and senior residents
Fourth Endoscopic Ear Surgery Course
International Paediatric Temporal Bone Course (October 14-15, 2014):
Endoscopic Middle Ear Surgery
Cochlear Implantation
Surgery for Conductive Hearing Loss
Surgery for Paediatric Cholesteatoma

Department of Anaesthesia
PGY 1 Seminars
Epidural Hands on Workshop
Vascular Access
Spinal Anaesthesia
Sterile Techniques
Airway Workshop
Airway-Simulation Workshop
Surgical Airway Workshop
12th Annual Obstetric Anaesthesia Workshop
Department of Family and Community Medicine
Mount Sinai and Toronto Western Family Medicine Residents OB Skills Day- July 30, 2014

Department of Obstetrics and Gynecology
Core Curriculum
Knot tying, Suturing and Instruments
Perineal Injury and Repair
Wound Closure and Marsupialization
Operative Delivery: Vacuum and Forceps
Caesarean Section Principles and Assisting
Shoulder Dystocia
B Lynch Sutures and Cho Sutures
IUD Insertion
Basic Laparoscopic Principles and Tubal Ligation
Surgical Management of Ectopic Pregnancy
Ovarian Cystectomy
Hysteroscopic Endometrial Resection
Bladder Repairs
Bowel and Vascular Repairs
Review of Operative Delivery
OSATS Exam

University of Toronto Faculty of Medicine
Division of Cardiology
Internal Jugular Skills Lab
Periocardiocentesis Skills Lab
Transeosophageal Echocardiogram

Division of Critical Care Medicine
Hands of Airway Course for Critical Care Medicine Fellows
Bronchoscopy Course for Critical Care Residents

Division of Emergency Medicine
ABC’s of Emergency Medicine
EM Undergrad Boot Camp

Division of General Internal Medicine
General Internal Medicine Procedures Course
PROWESS
Line Insertion with Ultrasound

Division of Nephrology
Nephrology Fellows Ultrasound Guided Line Insertion
Nephrology Line Insertion Simulation Training
Kidney Transplant Biopsy Program

Division of Respirology
The Basics of Bronchoscopy: Introductory Course for First Year Respirology Residents in Ontario
As part of the emerg rotation 3rd year UG students are given a 2 day introduction to the basics in emerg med tech-

Faculty of Dentistry
Department of Oral and Maxillofacial Surgery
Suturing skills
Wiring of Teeth

IBBME (Institute of Biomaterials and Biomedical Engineering) and the Department of Biology

The University of Toronto Biomedical Communications (BMC) graduate program student continues to annu-

Undergraduate Medical Education
SEAD Program
The two-week summer Surgical Exploration and Discovery Program (SEAD) provides fist and second year medi-

Department of Surgery Undergraduate Crash Course
As part of the Surgical Clerkship all third year medical students are required to attend a one-week surgical skills

Undergraduate Emergency Medicine Program
As part of the emerg rotation 3rd year UG students are given a 2 day introduction to the basics in emerg med tech-

COSATS in CHICAGO
This year the SSC staff traveled to Chicago to assist in implementing the Colorectal Objective Structured Assessment

Continuing Medical Education Courses
In order to qualify as a Continuing Medical Education course specific standards need to be met. This year’s CME

The University of Toronto Biomedical Communications (BMC) graduate program student continues to annu-

SEME- Supplemental Emergency Medical Experience
SEME is an award winning program: recipient of the 2014 Excellence in Course/Program Development and Co-

The University of Toronto Update in Minimally Invasive Surgery
The two-week summer Surgical Exploration and Discovery Program (SEAD) provides fist and second year medi-

The University of Toronto Temporal Bone and Oto-Surgical Course

The University of Toronto Endoscopic Neurosurgery Skull Base Course 2014

The University of Toronto Update in Minimally Invasive Surgery

The University of Toronto Update in Minimally Invasive Surgery
The MIS program welcomed surgeons from around the world. During this two-day interactive course, the latest

The University of Toronto Update in Minimally Invasive Surgery

SEME- Supplemental Emergency Medical Experience
SEME is an award winning program: recipient of the 2014 Excellence in Course/Program Development and Co-

The University of Toronto Update in Minimally Invasive Surgery

The University of Toronto Update in Minimally Invasive Surgery
Industry Courses
Allergan, Canadian Society of Plastic Surgical Nurses: Cadaver Anatomy Lab
Biotrem Canada: Cadaver and Didactic Workshop on Upper Extremity Products
Covidien: Gynec Oncology Course
Covidien: Gynecologic Oncology Advanced Surgical Lab
Covidien: Interventional Oncology Master Class
Integralife: INVS Foot and Ankle Session
KC! Bioskills Lab
Life Cell: Breast Reconstruction Bioskills Lab
Life Cell: Abdominal Wall Bioskills Lab
Torium: Salto Talaris-Antkle Arthroplasty
Wright Medical: Foot and Ankle
Wright Medical: Infinity TAR Demo Session
Zimmer Institute: Ankle Arthroscopy
Zimmer Institute: Advancing the Science of Cartilage Repair-DeNovoNT Natural Tissue Graft
Zimmer Institute: Hip and Knee Session
Zimmer Institute: Personalized Technology in Total Knee Arthroplasty

Outreach Programs
Take Our Kids to Work Day
International Pediatric Emergency Medicine Elective
Live Surgery viewing for Mount Sinai Hospital Volunteers
Pair and Share, an Interprofessional Showcase
Mini Med School, Holy Name of Mary College

Co-Op Students and Volunteers
The Surgical Skills Center has continuously welcomed many co-op students and volunteers since 1998. Throughout the years the centre has provided students interested in the medical field to join the Surgical Skills Centre Team to help with facilitating sessions. For most students the experience solidifies their passion within medicine and they continue their educational path such that they are either in medical school or pursuing a career within the field now.

This year the SSC was grateful for having the following new students at the facility:

“I couldn’t have asked for a more meaningful and enjoyable experience.” - Jacqueline W., Vaughan Secondary School Co-op

“Working at the Surgical Skills Center has taught me both workplace and people skills that I will never forget” - Alex S., Vaughan Secondary School Co-op

“I’ve learned a lot in a short span of time because of you. Once again thank you!” - Arthika P., Vaughan Secondary School Co-op

“You bestowed upon me a great deal of knowledge that I shall retain for the rest of my life.” - Andrew T., Volunteer

“I will carry the lessons I learned and the experiences I had with me for a very long time. “- Carlise C., Westmount Collegiate Institute Co-op

“With the knowledge you have provided, I feel more confident about pursuing and being successful as a medical professional.” - Ashley Z., Westmount Collegiate Institute Co-op

Volunteer Recognition Award
We would like to acknowledge our volunteer Samantha Walsh who received the MSH Volunteer Recognition Award, June 2014. Samantha was very deserving of this recognition as a result of her positive attitude and strong work ethic.

Research
Research is a vital element for the SSC as it provides new and innovative ideas in the delivery of education.

Longitudinal Study- The Search for an Optimal Mode of Teaching
Educational practitioners within the University of Toronto always strive to implement changes that will enhance the educational system. This year Dr. Laura Hans coordinated with the Surgical Skills Centre to initiate the Longitudinal Study which focuses on a new residency format. Traditionally, residents are required to undergo rotations within different medical divisions such as urology, cardiac and orthopaedic. Within this form of residency each resident is forced to adapt to a new environment at the onset of each new rotation. The purpose of the longitudinal study is to minimize the confusion and loss of time associated with these rotations.

Within the longitudinal study, eight hand-picked residents underwent a general skills boot camp at the onset of residency in summer. These eight students were taught skills that are useful for most divisions such as suturing and casting. Once they completed the boot camp, each resident was provided with an individual case such that they had to follow a patient throughout different divisions. For example, if a patient requires knee surgery they would undergo pre-operative tasks such as medical imaging, the surgery itself and later on any post-operative tests. This allows a resident to come across many divisions without having to undergo multiple introductory divisional skills sessions.

Research Projects Facilitated by the Surgical Skills Centre

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Researchers</th>
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</thead>
<tbody>
<tr>
<td>From Passive to Active: Using Peer Assessment to Improve Vicarious Learning of Surgical Skills</td>
<td>Woods N, Brydges R</td>
</tr>
<tr>
<td>Intra- and Inter-Observable Reliability of ICRS Grading in Cadaveric Knees: Correlation with Histological Findings</td>
<td>Theodoropoulos J, Dwyer T</td>
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<tr>
<td>High- Fidelity Simulation to Assess Inter-Professional Teamwork in Obstetric Crisis Management</td>
<td>Balik M, Windrim R, Cooke M, Sharples L, Hoppe D, Morics D</td>
</tr>
<tr>
<td>The Influence of Technology in Teaching Minimal Medical Trainees Fundamental Surgical Skills</td>
<td>Knox A, Dubrowski A, Brydges R</td>
</tr>
<tr>
<td>The Relationship Between Physiologic and Perceived Stress by Surgeons in the Operating Room</td>
<td>Moulton C-A, Seemann N</td>
</tr>
<tr>
<td>Canadian Urology Trainee Lap Skills Assessment Study</td>
<td>Lee J, Grober E</td>
</tr>
<tr>
<td>Virtual Endoscopy as a Training Tool, Randomized Trial</td>
<td>Abdulad A, Okrainec A, Gentili F</td>
</tr>
<tr>
<td>The Rotation of the Femoral and Tibial Components in Total Knee Arthroplasty: Variables in Measurements and Correlation with Symptomatology</td>
<td>Naraghi A, Backstein D, Wolfstadt J, Ten L</td>
</tr>
<tr>
<td>Non-Technical Performance in Simulated Crisis Scenarios Among a Junior Resident Population</td>
<td>Dedy N, Grantcharov T, Bonnath E</td>
</tr>
</tbody>
</table>
Dr. Oleg Safir, Distinctions and Research Awards

- Bruce Tovee Award - Postgraduate Education, University of Toronto, Toronto, Ontario, Canada.
- Faculty of Medicine Awards for Excellence in Postgraduate Medical Education – Development & Innovation, University of Toronto, Toronto, Ontario, Canada. (Distinction). Recognition of Excellence in Education for Surgical Prep Camp. $1,000 CA

Publications


<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Does a Competency Based Curriculum Produce Improved Outcomes in Orthopaedic Skills Acquisition, Retention and Performance Compared to the Traditional Teaching Method? (2011 May - present)</td>
<td>Sonnadara R, Safir O</td>
</tr>
</tbody>
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Invited Presentations
Francis LeBouthillier, A. Scott Hamilton Royal College Moderated by | Animé par: Lisa Satterthwaite Making it Real: Special Effects from the Film Industry I D’une vision à la réalité : effets spéciaux de l’industrie cinématographique Simulation Summit, Sept 12th 2014, Toronto ON.


Satterthwaite L. Paige, John, Ebling, David, Deutsch, Ellen, Malloy, Kelly, Debate #772: “Learning from Boot Camps: To Test or Not to Test?” International Meeting on Simulation in Healthcare (IMSH), January 27th 2014,
Workshops

Windrim R., Satterthwaite L. Teaching Competency in Family Medicine Maternity Care: National Forum, University of Toronto Faculty Club, Saturday June 7th 2014.


Satterthwaite, L., Boucher B., Reihsen T., Crelinsten L., Braga R., “KiSiS – Keep It Simple In Simulation” American College of Surgeons AEI Administration & Management Committee Workshop, March 21st 2014 Swiss Hotel, Chicago IL.


Publications:

Award:

Memberships:
2014 – Present: U of T Department of Surgery, Simulation Committee, Member
2014 – Present: U of T Department of Surgery, International Surgery Committee, Member
2014 - Present: U of T Department of Surgery, Competency Based Assessment Workshop/Committee, Member
2011 - Present: Mount Sinai Hospital Education Advisory Council, Member
2012 - Present: Chair, Nurses in Surgical Education, Association for Surgical Education, American College of Surgeons.
2009 - Present: Co Chair, Administration and Management Committee, American College of Surgeons, Accredited Educational Institutes Consortium, Member

Organizing Committees:
2014 U of T PREP camp program for PGY1 Surgical and OHNS residents July 3 – 17 2014 Toronto, ON.
2014 Colorectal Objective Structured Assessment of Technical Skills Exam, Sept 21st 2014, Chicago IL.
2014 “Pear and Share” An Interprofessional Education Showcase, Mount Sinai Hospital November 12th 2014 Toronto, ON.
2013 Royal College 2014 Simulation Summit Meeting September 11 – 12, 2104 Toronto, ON
2013 “Pear and Share” An Interprofessional Education Showcase, Mount Sinai Hospital November 13th 2013 Toronto, ON.
Letter from Dr. Perelman

SimSinai is committed to supporting all simulation-based education programs and events at Mount Sinai Hospital, as well as provide resources and expertise for the University of Toronto and affiliated programs. We work in closest collaboration with the Surgical Skills Centre and share administrative, educational resources and space on a regular basis. Lisa Satterthwaite and her team have been invaluable in making sure SimSinai initiatives and programs are running well. Finch Taylor, our Simulation Technician, has been developing an outstanding expertise in a continuous quest to make every simulation perfect.

We would like to acknowledge the support from MSH administration, office of VP education and Directors of Centers of Excellence at Mount Sinai for financial support which will secure more effective management of SimSinai.

As a hospital based simulation program, our foremost commitment is to improve patients’ experiences at Mount Sinai. That includes training the staff and teams in delivering safer and more efficient care. As one of these elements, we continue to develop the Mount Sinai Mock Code initiative supporting the Advanced Resuscitation Committee under the leadership of Dr. Michael Christian and spearheaded by Dr. Luke Devine.

We continue to provide training to the senior medicine residents, helping them to become effective and efficient code leaders as well as on-going training of ICU house staff.

SimSinai hosted and participated in team-training exercises for the Emergency Department, NICU training, and a very successful ACLS program.

We have embarked on developing our own cadre of simulation champions. Many of our instructors have received the most prestigious teaching awards and nominations. Our hope is to inspire everyone at Mount Sinai Hospital to seek our opportunities to involve SimSinai in the local educational initiatives and to utilize the wonderful possibilities that medical simulation has to offer.

In parallel to the hospital based, patient-centered initiatives, we are involved in University of Toronto based programs. SimSinai has been instrumental in supporting the Department of Surgery “PREP Camp” for all incoming first year surgical residents introducing a simulation based ACLS refresher with elements of crisis resource management and introduction to procedural sedation.

Overall, this year we have trained 375 practitioners in ACLS, re-certified 166 and had 20 graduate from our instructor course.

Lastly, SimSinai is becoming a hub for research projects. Drs. Zeev Friedman, Rory Windram, Nicholas Dedy and Kristina Khanduja to name a few are generating publications and secured grants to advance simulation-based investigations using opportunities and support from SimSinai.

We hope that those activities and initiatives will grow with years to come.

Sev Perelman, MD, MSc, CCP/EMI, CHSE-A
Staff Emergency Physician, Schwartz/Reisman Emergency Centre, Mount Sinai Hospital, Toronto
Medical Director, SimSinai, Program for Simulation-based Education and Patient-Centered Initiatives at Mount Sinai Hospital
Medical Director ACLS, Ontario Heart and Stroke Foundation
Assistant Professor, Department of Family and Community Medicine, University of Toronto
Certified Healthcare Simulation Educator

www.simsinaicentre.com
Visitors

The SSC is a unique lab. As a result of the educational platform, research and program services provided, many people travel from around the world to visit our facility. This year the SSC team had the opportunity to meet a large variety of persons from the medical, educational, research and industry platforms.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>Mr. Zaid Awan</td>
<td>Research Fellow-Simulation and assessment in ENT training</td>
<td>London, England</td>
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<tr>
<td>Mr. Bill C. Cutter</td>
<td>Senior Advisor to the President for Clinical Sciences/Associate</td>
<td>New York New York, USA</td>
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<td>Vice President of Academic Administration and Graduate Affairs</td>
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<td>Manipal Education Americas LLC agent for American University of</td>
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<td>Antigua American International College of Arts; and Sciences</td>
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<td></td>
<td>Kasturba Medical College-International Center</td>
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<td>Mr. Chris Bateamar</td>
<td>University of British Columbia Faculty of Medicine Audio Visual</td>
<td>Vancouver, British Columbia</td>
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<td></td>
<td>Specialist</td>
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<tr>
<td>Mr. Dimyral Saud</td>
<td>Associate Director of Admissions for Canada, American University of</td>
<td>New York New York, USA</td>
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<td>Antigua</td>
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<td>Dr. Steven Warner</td>
<td>Director, Digestive Disease Center Chair, Department of Colorectal</td>
<td>Weston, Florida, USA</td>
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<tr>
<td>(Dr. Zane Cohen</td>
<td>Surgery Emeritus Chief of Staff Cleveland Clinic) Florida Affiliate</td>
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<tr>
<td>Lecture Visiting</td>
<td>Professor and Associate Dean for Clinical Education Florida International University College of Medicine</td>
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<tr>
<td>Galina Alekseeva</td>
<td>Deputy Director for Clinical Work Moscow Research Institute of Oncology</td>
<td>Moscow, Russia</td>
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<tr>
<td>Aleksei Shchegolov</td>
<td>Head of the Department Anesthesiology and Intensive Care, Chief</td>
<td>Moscow, Russia</td>
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<tr>
<td>Boris Rodulin</td>
<td>Anesthesiologist</td>
<td>Moscow, Russia</td>
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<tr>
<td>Igor Oudaroy</td>
<td>Deputy Chief of Surgery Municipal Budget Healthcare Institution</td>
<td>Rostov-on-Don, Russia</td>
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<tr>
<td>Bogdan Kolb</td>
<td>Deputy Director Colonel of Military Medicine Russian Military</td>
<td>Saint Petersburg, Russia</td>
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<td></td>
<td>Medical Academy</td>
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<tr>
<td>Valeri Petrov</td>
<td>General Director State Budget Institution of Sakha (Yakutia) Republican</td>
<td>Sakha (Yakutia), Russia</td>
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<tr>
<td>Maxim Zabelin</td>
<td>Deputy Director Cancer Center at Moscow Regional Oncology Center</td>
<td>Moscow, Russia</td>
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<tr>
<td>Sherman Ben-Horin</td>
<td>Director, BID Service, Gastroenterology Department Sheba Medical Center</td>
<td>Tel HaShomer, Ramat Gan, Israel</td>
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<tr>
<td>Mike Read</td>
<td>Consultant Orthopaedic Surgeon, Lead Clinician, National Logbook, Trauma and Orthopaedics, National Curriculum Committee, Trauma and Orthopaedics, Head of Governance, Trauma and Orthopaedics, Northumbria Healthcare, Lead Orthopaedic Surgeon, Wansbeck General Hospital, National Specialist Advisory Committee, Trauma and Orthopaedics, Deputy Programme Director, Trauma and Orthopaedics, Northern Dorsary</td>
<td>Newcastle upon Tyne, England</td>
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<tr>
<td>Austin Jassy</td>
<td>5th year medical student at Moi University School of Medicine</td>
<td>Kenya</td>
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<tr>
<td>14 physicians</td>
<td>from Fudan University</td>
<td>Shanghai</td>
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Praise
Team Skills Lab,
Just a quick note to say thank you very much again for yet another amazing round of labs at your facility!
As I mentioned to Jason on Thursday, working with you on these initiatives is truly a pleasure! The professionalism and attention to detail exhibited by the Mt Sinai team is unmatched in the industry!
Thank you again to everyone for all your hard work and dedication to make these events the success that they were!
I will be in touch!
Regards,
Jason Bower
Director of Marketing
Wright Medical Technology Canada Ltd.

Dear Ms. Satterthwaite and staff at Surgical Skills Centre at Mount Sinai Hospital,
I just wanted to take a moment to thank you for allowing me to partake in the final exam day of Surgical Skills Lab training last Thursday, (July 17, 2014) at Mount Sinai Hospital. After my aunt (Toni Labricciosa) informed me about this event, I was very much looking forward to it. I really appreciated the opportunity to observe and even participate in some of the hands-on skills, and am very thankful that all of the staff I met was so kind, helpful and supportive! I am amazed at how much interesting, new information I was able to obtain, just by observing the different stations multiple times throughout the day. When the exams had ended, I was grateful to have been given the chance to actually attempt some of the skills. I particularly enjoyed the suturing station, and with some assistance, and after a couple of tries, I seemed to have been able to successfully stitch up a wound!
Overall, I had a wonderful experience, and when I returned home, I was eager to tell my family all about my exciting and interesting day! I really hope to participate in similar future events or perhaps volunteer opportunities. Please keep me in mind!
Once again, thank you.
Sincerely,
Julia Labricciosa
(Grade 9, Pelham, Ontario)

Dear Lisa,
Once again it is my great pleasure to send you a note of appreciation for all that you and your staff provided for us at the recent Rhinoplasty Workshop.
You and all the members of your staff provide an absolutely first-class experience. These evenings are a great benefit to our residents, and an adjunctive benefit is the time for our faculty to get together in what is always a convivial evening.
Please extend my deepest appreciation to everyone, especially Dezan, who is always "there for us."
With kindest personal regards,
Peter A. Adamson, MD, FRCSC, FACS
Professor and Head Division of Facial Plastic and Reconstructive Surgery Department of Otolaryngology - Head and Neck Surgery University of Toronto

Dear Lisa,
On behalf of the group of First-Year Learning Community students who visited the Surgical Skills Centre to watch a hip revision on Monday, January 27, I wish to extend a huge thank-you to you for helping to arrange this. It was such a unique opportunity for us to be involved with. The students couldn’t stop talking about it afterward and many asked if they could return to watch another type of surgery.
Also, please pass on my thank-you to Dezan and Marina. They took excellent care of our group and were very friendly and accommodating. The fellow who led our group through the surgery, Jon, was also terrific. He did a great job explaining what was happening and answering our questions. He also handled some of the more basic questions asked by some of our students with grace and humour. He made us all feel welcome.
Many thanks to everyone involved!
Warmest regards in this cold weather,
Adam Doyle
First-Year Initiatives Coordinator
Faculty of Arts & Science
Office of the Dean

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Many thanks to everyone involved!
Warmest regards in this cold weather,
Adam Doyle
First-Year Initiatives Coordinator
Faculty of Arts & Science
Office of the Dean

Dear Lisa,
Once again our Division of Facial Plastic and Reconstructive Surgery, and our Department of Otolaryngology - Head and Neck Surgery, had a very successful Injectables Course at the Surgical Skills Laboratory on February 12, 2014.
On the behalf of our Division of Facial Plastic and Reconstructive Surgery, our Department, and of course our residents and fellows who benefited from the OHNS Injectables course, please accept my deepest appreciation and gratitude.
With kindest personal regards,
Peter A. Adamson, MD, FRCSC, FACS
Professor and Head Division of Facial Plastic and Reconstructive Surgery Department of Otolaryngology - Head and Neck Surgery University of Toronto

Hello everyone,
Again, we cannot stress how appreciative we are for all your help and support in this PGY4 Plastic and Reconstructive Surgery project.
Thank you for making this crazy data collection process easy and enjoyable.
Best Wishes,
-Kinga Eliasz and Aaron Knox
Supporters

The Surgical Skills Centre is very gracious and humbled by the tremendous support it receives from so many companies, small businesses and organizations. The generosity and support from these sponsors allows us to remain a leader in surgical education. We are able to provide unparallel teaching thanks to the resources provided by our sponsors. Whether it is financial support, donations of extra supplies or the lending of equipment, the Surgical Skills Centre is very appreciative. Special thanks to Mount Sinai’s Hospital Operating Room and Departments. Thank you to all of our supporters!