

# REVIVAL+

SIMSINAI CENTRE VOLUME 3 ISSUE 2

## FROM THE PUBLISHER

This summer we held a record number of ACLS courses with nearly 100% attendance in each program. In fact, we are now in a client renewal cycle which is really exciting as those who took the ACLS course with us years ago are now returning for their Recertification certificates. I feel that this trend is a real testament to the quality of both the course delivery and our phenomenal instructor team! Be sure to check the website and glass display cabinet outside of the SimSinai Centre, room 218, for upcoming fall and winter courses.

Our mobile SimMan continues to get around with insitu simulations taking place throughout the hospital environs. This summer a surprise insitu code blue took place in the tunnel between MSH and TGH. The exercise was a good eye opener making us aware of some deficiencies in the ability to conduct a code in this area of the hospital. Using simulation performance and training as an initiative for change, we are now able to make recommendations and adjustments to better fulfill our commitment to best practices and patient safety initiatives. If you are interested in conducting insitu simulations in your area using the portable SimMan Human Patient Simulator please feel free to contact Finch Taylor at [finch.taylor@utoronto.ca](mailto:finch.taylor@utoronto.ca) or Dionne Banton at [dionne.banton@utoronto.ca](mailto:dionne.banton@utoronto.ca) for further information.

On September 12th 2014 the Royal College Simulation Summit took place in Toronto at the Hilton Hotel. The conference was well attended by both national and international attendees all focused on simulation in education and research. The title of the Summit was “The Art of Simulation – Reflection, Research and Representation”. Taking place during the Toronto International

Film Festival, there were definite undercurrents of film industry elements included throughout the conference. Our own ACLS instructor Michelle Cleland was a fantastic nurse confederate during the SimTrek event! Working closely with the Montreal Heart Institute team “Heart Savers” Michelle was able to offer her expertise in the critical care nurse role aiding her team who were being tested on their decision-making and communication skills in front of an audience of peers while gaining valuable feedback on their performance from a panel of expert assessors. SimTrek was a wonderful event that ended the conference on a high note. Thanks Michelle for your fantastic contribution (and academy award winning performance).

MSH 2<sup>ND</sup> Annual

## Pairing & Sharing

EXAMPLES OF TEAMWORK



COME SEE HOW GREAT TEAMWORK HAS LED TO BEST PRACTICES AND COLLABORATIVE PATIENT CARE.

DRAW FOR DOOR PRIZES THROUGHOUT THE SHOWCASE!

**WHEN:** Wednesday December 10, drop in between 10 a.m. - 2 p.m.

**WHERE:** The Cafeteria & University of Toronto Surgical Skills Centre, both on the 2nd Floor, 600 University Ave.

Of note, on December 10th 2014 the 2nd annual Pair and Share event will be taking place at MSH in the cafeteria and Surgical Skills Centre areas. The event will include a SimMan lunch and learn event so be sure to join us. Hope to see you there!

Our new Vimedix ultrasound simulator is slowly being adapted into training and research programs. Please feel free to come down and trial it to see if may fit into your teaching needs.

**Lisa Satterthwaite, Senior Manager, RPN/ OR**

## FROM THE MEDICAL DIRECTOR



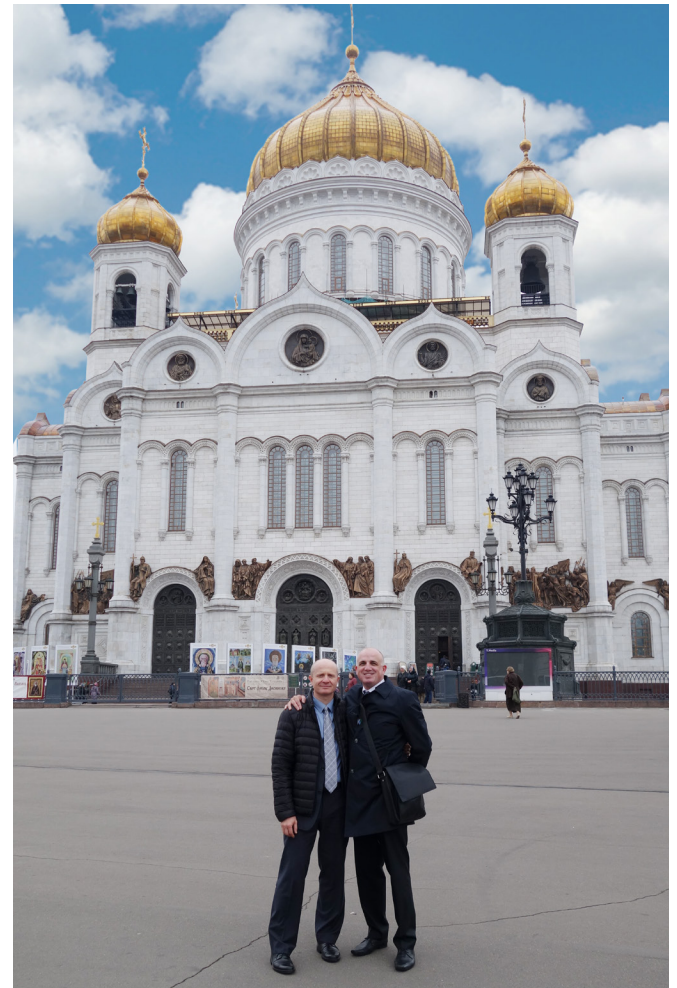
In September, Dr. Oleg Safir and I participated in the ROSOMED-2014, Third Convention of Russian Society of Simulation Education in Medicine and 5th Congress “Innovative educational technologies in medicine. 2014” in Moscow.

In spite of a challenging political situation in the world, we had a wonderful opportunity to demonstrate and experience that humanitarian values cross boundaries and help find common grounds in any situation.

I had an opportunity to deliver a plenary lecture, a master class and facilitate a round table about in situ simulations and mock code blues at Mount Sinai Hospital, while Dr. Safir led a 1.5 hour seminar on competency-based surgical education. The Russian

physicians and nurses were very interested and receptive. There may be an opportunity for a much more substantial collaboration, trying to establish a national BLS and ACLS – like programs in the Russian Federation.

This is the excerpt from the letter we received: “...your plenary lectures and master classes at the 2013 and 2014 International Conferences “Innovative Technologies in Medicine” in Moscow were not only very informative , but also generated a significant interest amongst the participants which undoubtedly will influence how the simulation education is conducted in many centres...”



I feel that our efforts fit nicely with the Mount Sinai’s long-standing commitment to excellence in patient care, teaching and research and advancement of delivery of medical care at the national and international levels.

We are planning to collaborate with the Canada International Scientific Exchange Program (CISEPO), a Canadian organization,

based at the University of Toronto at the Faculty of Medicine and at the Dalla Lana School of Public Health and at York University in the Faculty of Health to promote international development by advancing health education, health care, health care systems, scientific exchange, research and public health thus connecting Canada with over 45 countries globally in common purpose.

**Sev Perelman MD, MSc, CCFP(EM), CHSE-A**

## CONGRATULATIONS!



**Sev Perelman MD, MSc, CCFP(EM), CHSE-A** won the Anna Jarvis award for teaching excellence!

**Nicholas Clarridge, MD** is the winner of the University of Toronto Post-Graduate Achievement Award in Leadership for work in simulation at Southlake Regional Health Centre in Newmarket! Nick also recently completed Family Medicine Residency, and embarking on my fellowship year in Emergency Medicine at University of Ottawa. We wish him all the best in our nation's capital!

**Luke Devine, MD, MHPE, FRCPC** led a full day simulation masterclass workshop at AMEE 2014 conference in Milan. The purpose of this masterclass is to introduce participants to essential skills for delivering simulation-based healthcare education through a variety of techniques and

technologies. The course emphasizes guided interactive learning to maximize simulation-based instruction skill acquisition. The course is open to all healthcare professionals who are interested in improving their simulation-based instructional activities. Luke also won a MSH/UHN excellence in teaching award

**Anne Aspler, MD, MSc** completed a Fellowship in Emergency Ultrasound last year at Harvard which included teaching in their ultrasound simulation center "STRATUS" at Brigham and Women's Hospital.

**Debbie Gillis, RN** graduated from the University of Toronto's Master of Education program in June.

## PRAISE

"...It is clear that I have great enthusiasm for simulation training. I do not hesitate in saying that it is the most beneficial and critical component to our academic learning in the Emergency Medicine Fellowship offered at University of Toronto. I highly recommend continuing this training for future Fellows as it has made a significant difference to my development as an Emergency Medicine Doctor. I am very grateful to have had the opportunity to learn crisis resource management and I know this training will serve my patients well in the future.

Sincerely,  
Kaitlin Link"

## PRAISE FROM THE 2014 CAEP SIMWARS NATIONAL SIMULATION CHAMPIONS

"June 13, 2014

Dear Dr. Sev Perelman,

This letter formally recognizes your invaluable contribution to the preparation and training of the 2014 University of Toronto Division of Emergency Medicine Simulation Team. We would like to recognize your own expertise and thank you for the use of the Mt. Sinai Simulation Centre.



We are indebted for your generosity in helping to facilitate scenarios for our Sim Team. You provided access to the simulation facilities and provided full technical and debrief support at Mt. Sinai Hospital...”

“The fidelity of the simulation scenarios was extremely high and helped to provide realistic scenarios that not only expanded our medical knowledge, but also enhanced our ability to communicate and work as a team. The level of technical support provided by your Centre was exceptional. Sev, your ability to provide constructive feedback combined with the Centre’s powerful debriefing tools provided a rich learning experience that is hard to find at other simulation facilities. Given the difficulty of accessing simulation facilities at other institutions, your time and use of the Centre’s resources was greatly appreciated.

Your mentorship was instrumental in helping us win first place at the 2014 Simulation Olympics that took place at Queen’s University in Kingston. It was the first time that a team from the University of Toronto has ever made it to the finals, let alone, win the championship. We continued building on our success by taking first place at the national Simulation Olympics as part of the annual Canadian Association of Emergency Physicians (CAEP) Conference in Ottawa, Ontario.

We attribute much of our success to your dedication and the facilities available at the Mt. Sinai Simulation Centre. We hope to continue collaborating with you and your institution to provide high quality simulation experiences for all learners and future Sim Team participants.

Thank you again.  
Yours truly,

***The 2014 University of Toronto Division of Emergency Medicine Simulation Team.***

***Faculty Advisor: Rachel Poley MD***

***Team Members: Emily Austin MD, Dennis Cho MD, Brigid Madden RN, Michelle Tubman MD”***

## HEART & STROKE CONFERENCE BANFF ALBERTA

I would like to share with our ACLS and BLS enthusiasts that in April I have attended Heart&Stroke Resuscitation Summit in Banff, Alberta.

This one day summit was a unique opportunity to learn the latest in the resuscitation field from Canadian and international experts and I strongly recommend attending such summits in the future to discover what’s new in resuscitation science, practice and training and to connect with peers from across the country.



It also hosted an inaugural Heart&Stroke First Aid Instructor Workshop, so from now on, HSF can offer First Aid courses and those of you who are interested in becoming instructors should look into that opportunity on their website, [www.heartandstroke.com](http://www.heartandstroke.com)

***Sev Perelman MD, MSc, CCFP(EM),  
CHSE-A (Photo credit: Sev Perelman)***

## MD SPOTLIGHT



My interest in simulation started during my residency training (which seems like a long time ago)! I always found the simulation sessions I participated in to be valuable learning experiences that I never forgot. The knowledge and skills I learned during these sessions easily transferred to the actual clinical environment. After I completed my training in Internal Medicine, my interest in simulation, and medical education in general, led me to complete a fellowship in Simulation Based Medical Education and Research at the Gordon Center for Medical Education, at the Miller School of Medicine, University of Miami. The fellowship enabled me to develop the skills necessary to conduct effective simulations, to utilize simulation in assessment and to design and implement research studies. It was an amazing experience with great mentorship, where I met a number of future collaborators. Not to mention my family and I got to spend a winter in Miami and swim in our backyard pool in January!

In order to further improve my education and medical education research skills, I complete a Masters degree in Health Professions Education (MHPE) through Maastricht University in the Netherlands. My thesis involved developing and assessing the effectiveness of self-directed learning of ACLS skills using simulation.

I currently coordinate the simulation components of the Internal Medicine academic half day, organize and conduct in-site mock code blue scenarios in the hospital and teach ACLS courses. I also deliver conference workshops on various topics in simulation. I hope to continue to be involved with all of the great initiatives at SimSinai and look forward to developing and implementing simulation in any realm where it will be beneficial.

*Luke Devine MD, MHPE, FRCPC*

## RESEARCH SPOTLIGHT

In July of this year, a group of researchers from St. Michael's Hospital took the two week surgical Prep Camp at the Surgical Skill Centre as an opportunity to conduct a research project investigating innate non-technical and crisis management skills of incoming surgical residents. Dr. Esther Bonrath and Dr. Nicolas Dedy are both surgeons and graduate students at the University of Toronto, enrolled in the PhD program of the IMS under the supervision of Dr. Teodor Grantcharov. To identify factors contributing to the ability to manage stressful situations in the operating room, Dr. Bonrath and Dr. Dedy invited incoming residents of all surgical specialties to participate in standardized crisis scenarios in a simulated operating room in the SimSinai Centre. During the simulations, the participants' heart rate was continuously monitored to assess heart rate variability as a surrogate marker for stress. Over five days during the Prep Camp, the researchers were able to recruit and enroll 31 residents to participate in the study and complete a standardized crisis simulation. The simulations, which were between 5 and 10 minutes in duration, were video recorded for blinded offline evaluation of crisis management and non-technical skills (e.g., teamwork and leadership skills). From the results of the study, the researchers hope to further their understanding of inter-individual differences in innate non-technical skills, which will help to customize future training initiatives for these important competencies.

## ACLS PRICING AND DATES

### CERTIFICATION

|  |       |
|--|-------|
| Physicians/Dentists/IMGs                 | \$490 |
| RN/Fellows/Paramedics/Residents/Students | \$375 |

### RE-CERTIFICATION

|  |       |
|--|-------|
| Physicians/Dentists/IMGs                 | \$450 |
| RN/Fellows/Paramedics/Residents/Students | \$325 |

### CERTIFICATION

|                     |          |
|---------------------|----------|
| Oct 18-19, 2014     | Weekend  |
| Nov 13-14, 2014     | Thur/Fri |
| Nov 29-30, 2014     | Weekend  |
| Dec 11-12, 2014     | Thur/Fri |
| January 22-23, 2015 | Thur/Fri |
| February 7-8, 2015  | Weekend  |
| March 2-3, 2015     | Mon/Tues |
| March 28-29, 2015   | Weekend  |
| April 9-10, 2015    | Thur/Fri |
| April 18-19, 2015   | Weekend  |
| May 2-3, 2015       | Weekend  |
| May 7-8, 2015       | Thur/Fri |
| May 30-31, 2015     | Weekend  |
| June 13-14, 2015    | Weekend  |
| June 18-19, 2015    | Thur/Fri |
| June 22-23, 2015    | Mon/Tues |
| June 25-26, 2015    | Thur/Fri |
| June 25-26, 2015    | Weekend  |

### RE-CERTIFICATION

|                   |     |
|-------------------|-----|
| December 5, 2014  | Fri |
| February 13, 2015 | Fri |
| March 27, 2015    | Fri |
| April 24, 2015    | Fri |
| May 29, 2015      | Fri |
| June 5, 2015      | Fri |

### ACLS INSTRUCTORS COURSE

|                   |          |
|-------------------|----------|
| March 12-13, 2015 | Thur/Fri |
|-------------------|----------|

## SIMSINAI CENTRE PRICING

\$192.50 PER HOUR

- Includes basic technician set up fees
- AV Equipment
- Use of Laerdal SimMan (up to 3)
- Inclusive for hours: M – F 0700 – 1700 hrs
- Disposable gloves
- Individual Personal Protective Equipment

\$412.50 PER HOUR Industry rate plus \$100 per person fee

\$62.50 PER HOUR Technician OT rate weekends / before 0700 hrs and after 1700 hrs

\$27.50 PER Simulation Moulage – for any extensive make up treatments including products used

Video transfers, editing or filming available upon request - pricing subject to request type

Equipment rentals available on request – pricing subject to request type

HST NOT included

Further simulation models and supplies along with pricing available upon request.

NOTE: All bookings require a completed SimSinai booking form in order to ensure we have all requested items available and set up for you. Estimates are available upon request in conjunction with a completed booking form.

Sessions cancelled with less than 72 hours notice will be subject to a cancellation fee of 50% of the total amount of the estimated course cost.