



Medical Education Simulation Center

University of California Irvine

May 2014

Issue 3



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We are on SharePoint!



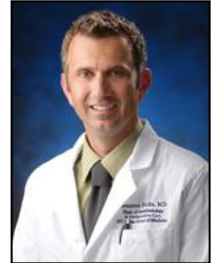
SharePoint Directory

The Simulation Center has recently added a SharePoint page to keep faculty and staff informed of news and events that affects the simulation center. This will also be a repository of simulation articles and other things related.

Simulation Center Undertakings

Colleagues,

This has been a whirlwind year, at the close of this year; the center is estimated to have more than doubled its revenue over last year and funneled through over 6,000 learners. This is an increase of almost 2,000 learners compared to last year's figures. That is extraordinary for a simulation center only three years old.



We presented at the International Meeting of Simulation in Healthcare (IMSH) and presented a research abstract.

Even though summer is approaching, the sim staff will be busier than ever; we have a record number of camps booking this summer as well as will be the Simulation Education Network (SEN) conference. We will be working

on re-accreditation for our MOCA course and preparing to submit research and presentations to IMSH for next year. We will be meeting with the other UC schools this fall to discuss starting a UC system-wide consortium.

Additionally, our Director of Operations, Keith, has been elected to be on the Society for Simulation in Healthcare (SSH) Accreditation Committee and his efforts have awarded him as an accreditation site reviewer for a 3-year term.

We have also provided Inter-professional Team Code Training to the hospital since November of last year, and have put plans into motion to continue that program into the next academic year. We are also planning on implementing training into the MS1 & MS2 years alongside the nursing program to foster a team-based curriculum.

We are also working on and toward grant opportunities while maintaining our focus on quality medical education.

We look forward to another Emergency Medicine Simulation Fellow starting this summer, and we will also have an International Simulation Fellow from Lyon, France joining us for the year starting in August

Finally, I would like to thank Dean Clayman and Dr. McGuire, as they move on to exciting endeavors, for their unwavering support of the medical simulation program. Their efforts have truly integrated medical simulation into the student curriculum. I would also like to thank Shaun Langer and all the other unsung heroes that work at Medical Education to make our program succeed.

Cameron Ricks, MD
Director, Medical Education Simulation Center

Recent Events

January 24th – January 29th
International Meeting of
Simulation in Healthcare
(IMSH)

February 21st
Maintenance of Certification in
Anesthesiology (MOCA)

February 22nd
School of Medicine Alumni
Tour

March 1st
Pre-Med Student Tour

March 10th
Maintenance of Certification in
Anesthesiology (MOCA)

March 17th – March 27th
Clinical Foundations 3

March 31st – April 1st
Simulation Instructor Course

April 5th
Downey Hippocrates Outreach

April 21st
On-site Consultant for
Anesthesiology to ensure
SimMan delivery and setup
was proper

April 28th – May 9th
Limited Sim Schedule due to
maintenance

May 12th
School of Medicine Re-visit
Day



Congratulations!

Congratulations to Dr. Megan Osborn, Emergency Medicine, and Dr. Cameron Ricks, Anesthesia, for being recognized for **EXCELLENCE IN TEACHING** by the School of Medicine Office of Medical Education.

UCI Medical Center, Building 50, Simulation Based Team Training (SBTT)

Listed are the upcoming inter-professional code training dates presented by the Medical Education Simulation Center. These dates are also located on the SharePoint Calendar.

- **May 22, 2014** 2pm – 5pm
- **June 17, 2014** 2pm – 5pm

Simulation Instructor Training Course

This course is very popular and a requirement to instruct at the simulation center. This 2-day course is designed to combine elements of theory, practice, and immersive experiential learning focusing on simulation as a teaching tool. The course will allow participants to learn about the history, context, and theory of patient simulation, debriefing strategies, and designing simulation curriculum. Participants will also have the opportunity to apply skills learned through deliberate practice.

The next course is scheduled for:

July 21st and July 22nd

If you have faculty in your department that wish to add simulation instruction to their portfolio, please contact our office to be scheduled. Hurry, space is limited. Includes light breakfast and lunch. Contact us for details.

Maintenance of Certification in Anesthesia (MOCA©)

The Medical Education continues to be endorsed by the American Society of Anesthesiology (ASA) to provide MOCA courses as part of the certification process for anesthesiologists around the country. Currently, the simulation center offers this course once a month. Contact the center for details.

Upcoming Events

May 12th – May 23rd
Clinical Foundations 3

May 19th
UCI Simulation Committee

June 16th – June 17th
Advanced Trauma Life Support

June 20th
Maintenance of Certification in
Anesthesiology (MOCA)

July 9th and July 22nd
Summer Pre-Med Camp

July 15th
COSMOS

July 21st and July 22nd
Simulation Instructor Training
Course

July 10th and July 24th
Summer Surgery Camp

From the Desk of Director of Operations

As the academic year is coming to a close, operationally we are busier than ever; we have scheduled our recurring summer camps again this year. UC Extension has also booked 3 sessions this year in response to overwhelming positive comments from last year.



Staff

We are excited that Ryan will be giving birth to a brand new simbaby (err)...baby this summer, so she will be on maternity leave for a bit as her family bonds with their addition.

Scheduling

Some of you in recent weeks have tried scheduling sessions out for the next academic year, I applaud your forethought; however, we are waiting for the medical school to release the academic year schedule. Once we have that plugged in, we will be in touch with each of you so we can confirm your schedules.

Budget

Dr. Ricks and I are also hard at work finalizing the budget with Medical Education to present to the Dean's office for final approval. At this point, with all the senior faculty moves and changes, we won't entirely know how that will affect the current operations and fees downstream. As soon as we get a locked down budget and have visibility, we will notify all the departments. Although funding is tight for everyone university wide, we are still planning on purchasing another Laerdal© SimBaby at the start of the next academic year so we can more readily do pediatric OSCEs for the medical student testing.

Audio/Video

Many of you are aware and/or were affected by our recording and audio issues that have been occurring over the last several months, first I would like to apologize and let you know we are actively seeking resolutions to the issues by upgrading current infrastructure and software and/or moving toward different corporations that can provide a more stable hardware product. We will also be piloting the Mediasite© system in a few weeks to see if that would or could be feasible modality for the future with regards to recorded or live simulation. We will also be testing our PolyCom© system as well.

Simulator

Our simulator inventory continues to grow, we purchased a Gaumard® Pediatric HAL (5y/o) simulator at the beginning of this year. We also had a Laerdal© field service representative in the center on April 30th – 1 May to complete annual maintenance on our workhorse SimMan 3Gs

I hope everyone has a wonderful 101 days of summer.



Keith A. Beaulieu, MBA
Director of Operations, Medical Education Simulation Center

**UC Irvine Medical Education
Simulation Center
Simulation Specialists**

- Ryan Lombardi
- John Vicente
- Cris Hanacek

Simulation Fellow Highlight

Dr. Asif Rahman

This year's wilderness medicine conference day was interesting collaborative event simulating an improvised response to a natural disaster in a developing country.



45 total competitors: 9 teams of 5 members each competed

Each Competitor finished a 4 mile course that included 6 scenarios and 6 skills stations.

7 Navy attendings and 7 UCI attendings proctored stations the different scenario and skills stations

Participants came from:

University of California Irvine Emergency Medicine residents

University of California Irvine medical students

University of California Irvine nurses

San Diego Naval Med Center EM residents

US Navy Corpsman

US Navy Nurses

US Customs and border Patrol

Simulation Specialist Highlight

"Lung Changes"

By: Ryan Lombardi

When the Medical Education Simulation Center opened we ran approximately 48 Anesthesia sessions within our first year. The simulator we chose to use for these sessions was the SimMan 3G, due to his advanced capabilities. The frequency of these sessions and the use of the ventilator proved to be troublesome for the simulator's factory lungs, as we had to frequently replace the lungs after they'd pop as a result of using a tidal volume of 700mL, and the pressures were extreme.

Once we researched that the lungs could hold a maximum tidal volume 500mL, we made sure the participants did not go above that amount; However, this took away from the realism that we strive for at the simulation center.

Thanks to Northwestern University Fienberg School of Medicine's suggestion, we replaced the lungs using 1L pediatric bags that are used on the anesthesia machine. We are now able to have a realistic tidal volume of 700mL and have not had

to replace the lungs since making this modification. This has helped tremendously in causing less confusion, less frustration, and more realism.



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Simulation Center**

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We're on the Web!

www.medsim.uci.edu



- Step 1: Ensure the simulator is off
- Step 2: Remove the chest plate and abdomen piece
- Step 3: Remove the lung compliance bands on the lung boards to access the lungs
- Step 4: Remove the existing SimMan 3G lungs by pulling straight back
- Step 5: Take a scalpel or scissors and remove the bag from the blue insert piece
- Step 6: Take the 1L pediatric bags attach it to the blue insert piece and secure with rubber bands or zip ties
- Step 7: Replace back into SimMan 3G

Full how-to video [here](#)

If your organization has a simulation related story you wish to share in this newsletter, please contact Keith Beaulieu, kbeaulie@uci.edu.