This innovative education and training experience will be an attempt to improve essential communication, coordination, and the overall efficiency of our team here at UCI.

2011 NICU Team Simulation Training
University of California, Irvine Medical Center

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- Goal for Simulation 2011
- Simulation Schedule
- Reminders
- Breakout sessions

UCI Medical Center’s NICU is committed to improving patient safety and quality of care on an on-going basis. Our goal is to make measurable improvement in the quality of health care we provide.
Institute of medicine’s (IOM) definition of **patient safety** and **error**:

- **Patient Safety** is “freedom from accidental injury”
- **Error** is “the failure of a planned action to be completed as intended or the use of a wrong plan to achieve an aim”

This year our goal for Simulation is to increase patient safety and reduce error in the delivery room.

In order to increase patient safety in our delivery room we need to build a “team”. A team embodies the coordination that results from task interdependency:

*Task Interdependency is teamwork that requires team members to adjust to one another, either sequentially or simultaneously, to achieve team goals.*

The delivery room is a high-stressed environment that we work in daily. The team members that respond to Labor and Delivery need to share the same vision and goal which should be to ensure patient safety and avoid errors.

Multidisciplinary team simulation training will provide you the opportunity to train and practice as a team and develop critical competencies skills required to function safely and effectively.

**Course Details**

**Requirements:**
You are required to attend one simulation day. This simulation day will replace your annual skills workshop.

**Dates:**
September 6th, 13, 20, 27, 29 October 4, 11, 18, 25, 27 November 1, 8, 15,

**Times:**
1230-1630 (4 Hours)

**Locations:**
The location of the simulation will be in the 44B Wing. The breakout sessions will be in 4843, 5843 or 44 Workroom.

**Prerequisites:**
- Feeding Self Learning Module
- Ballard Self Learning Module

**Openings Per Day:**
ONLY Nine RN’s will be able to sign up on each day.

**Teams:**
There will be three Simulation teams on each day. Each team will have three RN’s, one RT, and one MD. You will be assigned to a team on the day of your simulation training.

**Team Training and Resource Management**

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### The Goal
The goal of team simulation training is to foster interdisciplinary teamwork and collaboration.

### The Sim Baby
The Sim Baby is an interactive mannequin for training health care professionals. The Sim Baby responds to clinical interventions and is controlled by the instructor with a computer database. The Sim Baby has spontaneous respirations, heart rate, pulses, airway control and vocal sounds.

### Simulation 2011
Teams make fewer mistakes when each member knows his or her responsibilities and also knows the responsibilities of the other team members.

This year’s simulation will include trialing a new *DR Resuscitation Checklist*. This check list will be used before the team starts the scenario. During the debriefing session you will share your thoughts about your performance in the scenario, and also your feelings about the checklist. (Sample of the checklist pictured)

<table>
<thead>
<tr>
<th>Prebriefing</th>
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<tbody>
<tr>
<td>This should be conducted on the unit after the heads up call. If it is a crash delivery this can be done in the delivery room if time permits.</td>
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<table>
<thead>
<tr>
<th>Introductions</th>
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<tbody>
<tr>
<td>Discuss Plan, communication expectations</td>
</tr>
<tr>
<td>Special Considerations?</td>
</tr>
<tr>
<td>Additional personal/equipment?</td>
</tr>
<tr>
<td><em>“If any team member sees any developing problem or concern, I want to have it brought to my attention as soon as possible”</em></td>
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<table>
<thead>
<tr>
<th>Role Clarification</th>
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<tbody>
<tr>
<td>This section should be reviewed by each team member before the delivery</td>
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#### Lead Resuscitator
*(If delivery is attended by RN/RT then RN will obtain the role as the lead resuscitator)*

- Ensure briefing completed and introductions are done
- Ensure RT checklist is done
- Ensure RN checklist is done
- Lead the resuscitation and perform interventions as needed

<table>
<thead>
<tr>
<th>Review role of RT</th>
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<tbody>
<tr>
<td>Bring RT Small Baby/Nasopharyngeal equipment if indicated</td>
</tr>
<tr>
<td>Set up Handbag/Neopuff with appropriate masks</td>
</tr>
<tr>
<td>Intubation equipment checked, appropriate sized ET tubes</td>
</tr>
<tr>
<td>Pulse ox on and probe out but not connected at this time</td>
</tr>
<tr>
<td>Extra warm blankets</td>
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</table>

<table>
<thead>
<tr>
<th>Review role of RN</th>
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</thead>
<tbody>
<tr>
<td>Radiant warmer on MANUAL 100%</td>
</tr>
<tr>
<td>Hat ready</td>
</tr>
<tr>
<td>Bulb Syringe</td>
</tr>
<tr>
<td>Stethoscope</td>
</tr>
<tr>
<td>Set up Suction at 80-100 mmHg, #8 Fr Suction Catheter, meconium aspirator is requested</td>
</tr>
<tr>
<td>If &lt;28 weeks: call for 2nd RN/MD</td>
</tr>
<tr>
<td>Bring surfactant, thermoregulation kit, Porta Warmer</td>
</tr>
<tr>
<td>If resuscitation is anticipated or use of supplemental oxygen, RN will place pulse ox on right upper extremity when baby is placed on warmer. Turn on pulse ox after placement.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Debriefing</th>
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<tbody>
<tr>
<td>This should be conducted after the delivery. Should take less than 5 minutes.</td>
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</table>

- Did we have all the information we needed to admit this patient?
- What did we do well? (Everyone needs to provide input)
- What can we improve upon?
- Do we need follow up on any items?
Your 2011 Simulation Day

Red Team

1230-1300: Simulation
   (44 B Side)

1300-1330: Debriefing
   (44 B Side)

1330-1430: Med Safety/Exam
   (4843 or 5843)

1430-1530: Feeding/Gestational Age
   (44 Workroom)

1530-1630: PPC Review
   (4843 or 5843)

Blue Team

1230-1330: Feeding/Gestational Age
   (44 Workroom)

1330-1400: Simulation
   (44 B Side)

1400-1430: Debriefing
   (44 B Side)

1430-1530: Med Safety/Exam
   (4843 or 5843)

1530-1630: PPC Review
   (4843 or 5853)

Green Team

1230-1330: Feeding/Gestational Age
   (44 Workroom)

1330-1430: Med Safety/Exam
   (4843 or 5843)

1430-1500: Simulation
   (44 B Side)

1500-1530: Debriefing
   (44 B Side)

1530-1630: PPC Review
   (4843 or 5853)

"Our patients trust us to care for them safely and skillfully. We must remain faithful to this trust and move forward using the simulation techniques available to us today and developing new techniques for tomorrow."

Galloway, 2009

“This innovative education and training experience will be an attempt to improve essential communication, coordination, and the overall efficiency of our team here at UCI."
During your simulation you will be in a clinical environment and may be called on to administer medications or provide medical interventions. Because of this, dress code will be strictly enforced.

- UCI Irvine Uniform Scrubs
- Safe, comfortable, closed toed shoes (NO SANDELS/NO HEELS)

If you have not complied with all of the above you will be asked to not participate in simulation.

Your performance during Simulation is not going to be evaluated or documented in any way. Simulation is a safe environment to learn and develop knowledge, skills and behaviors necessary for the work environment. Look forward to seeing you I simulation!!

Professional Practice Council Review

This year we have added a PPC review station. This station will take place the last hour of your simulation day. Practice council members will review with you all the important changes that were made this year, and answer any questions you might have. This is your opportunity to discuss important practice changes with your professional council.

Medication Safety and Exam

At this station you will be taking the annual medication exam. After you have completed the exam you are able to work hands on with code medications and mixing emergency drips and review any questions on the medication exam that you had difficulty with.

Gestational Age Assessment

At this station you will be reviewing the Self-Learning Module you received in August. You will be able to watch video's of a actually Ballard exams. You will be able to ask questions and receive feedback about your technique.

Oral Feeding and the Preterm Infant

At this station you will be reviewing the Feeding Self Learning Module you received in April. You will be given the opportunity to share any questions or concerns you might have about current feeding practices in the Unit.