Target audience
All clinical staff caring for the neonatal patient are invited to attend. Physicians, Nurse Practitioners, Respiratory Therapists, Registered Nurses, and students will benefit from this educational opportunity.

Purpose
To increase the knowledge and expertise of the Neonatal Intensive Care team who care for the neonate patient and family. An emphasis will be placed on exploring the management of neonates during neonatal pulmonary emergencies and how unique features of different ventilators are used for treating an acutely ill neonate. To receive knowledge on management strategies through case presentations and to better understand acute illnesses that effect the neonatal population.

Program Objectives
Upon completion of this conference the participant will be able to:
- Describe the basic physiology of Persistent Pulmonary Hypertension of the Newborn and why it occurs
- Explain early lung recruitment strategies
- Examine ventilator management strategies for different case studies
- Identify common airway anomalies in the newborn

For more information regarding the workshop contact:
Amy Baca, BSN, RN
Nurse Planner and Conference Co-Chair
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Jeff W. Wright, BSRT, RRT-NPS
Respiratory Therapist Planner and Conference Co-Chair
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For more information regarding registration contact:
Carrie Roberts, BS
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801-662-3500

This year’s conference will be held at the Primary Children’s Hospital in the Eccles Outpatient Building in the new Conference Center located at 81 North Mario Capecchi Drive, Salt Lake City, UT. Free parking is available in the parking garage on the west side of the building!
**Agenda**

7:00–7:30  Registration, Breakfast, and Vendors

7:30–7:45  Welcome

7:45–8:45  High Frequency Jet Ventilation (HFJV) case presentations

- **Evan Richards, RRT**
  - Integrate knowledge of HFJV and patient management strategies into practice.
  - Select the best clinical management decision for specific pathophysiology using an interactive format

8:50–10:30  Understanding Pharmacologic Effects on the Pulmonary Vasculature

- **Rita Ryan, MD**
  - Explain the pathophysiology of the pulmonary vasculature
  - Summarize how common drugs used for pulmonary hypertension function

10:45–10:50  Break

10:45–12:00  HFOV Amplitude Attenuation across the ETT

- **Bradley Yoder, MD**
  - Review the functionality of the HFOV.
  - Summarize the methodology, findings, results in the clinical bench test.

12:00–13:00  Lunch and vendor bingo drawing

13:00–14:00  Neonatal Organ Donation: What is the Potential?

- **Justin L. J. Shers, MD**
  - Discuss the current state of neonatal organ donation.
  - Evaluate the potential for neonates to participate in organ donation after circulatory determination of death.
  - Review discrepancies between potential and actual organ donation in Primary Children’s NICU.
  - Discuss opportunities for improvement in neonatal organ donation.

14:05–15:05  X-Ray Interpretation

- **Roger Faix, MD**
  - Develop a systematic approach to interpreting neonatal plain radiographs
  - Identify the importance of reviewing imaged areas other than those that prompted obtaining the radiograph
  - Review the importance of integrating clinical signs and setting with what is and what is not seen on the radiograph

15:10–16:00  Noninvasive Ventilation Past/Present/Future

- **Roger Yoder, MD**
  - Provide evidence for limits to application of non-invasive respiratory support in neonates.
  - Identify current evidence base for the use of non-invasive respiratory support in neonates.
  - Review discrepancies between potential and actual use of non-invasive (NIV) therapy to neonates.

16:00–16:15  Evaluations and Closing

**ADA Accommodations:**

ADA accommodations will be made in accordance with the law. If you require ADA accommodations, please indicate what your needs are at the time of registration. We cannot ensure the availability of appropriate accommodations without prior notification.

Primary Children’s Hospital is an Approved Provider (P14-02) of continuing nursing education by the Utah Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

This educational activity provides 7.0 nursing contact hours.

Successful completion is commensurate with the amount of time attended.

**Payment:** $40

1. [ ] Check # (payable to PCH-PES)
2. [ ] Credit
   - Visa
   - MasterCard
   - Discover
   - American Express

**For Respiratory Care Credit** include your number on the registration form or bring your card with you to the conference. 7.0 CRCE (Continuing Respiratory Care Education) credits have been applied for through the American Association for Respiratory Care.