Use of Simulation for Practice Competencies

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The speaker has signed a disclosure form and indicated she has no significant financial interest or relationship with companies or the manufacturer(s) of any commercial product/service that will be discussed as part of this presentation.

Session Summary

Practice competency for nurse practitioners is being discussed frequently in the current literature. This presentation will discuss practical tips for helping to make practice competency a reality in your practice.

Session Objectives

Upon completion of this presentation, the participant will:

- understand the value of simulation to practicing clinicians;
- understand the skills that simulation may be helpful for building and/or maintaining;
- describe one way to construct an air leak evacuation trainer.

References


National Association of Neonatal Nurses (2010). Competencies and orientation tool kit for neonatal nurse practitioners (Appendix F), Glenview, IL.

Session Outline

See handout on the following pages.
Use of Simulation for Practice Competencies

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NP Role: Patient Care

• Assist with 24 hour coverage at 4 of our facilities
• Provide in-house coverage at our Level II facilities

NP Role: Transport Service

• NP/RN/RT configuration
• Service the Middle Tennessee and Southern Kentucky areas
• Approximately 200 infants transported per year
  – Accounting for 24% of the NICU admissions in 2011

NP Role: Clinic Coordination

• Developmental Follow-up Clinic
  – Average of 13 patients per month
• RSV Clinic
  – Average of 30 patients per season
NP Role: Staff Education

- Neonatal Resuscitation Program
- The S.T.A.B.L.E. Program
- Low Risk Neonatal Nursing Course
- High Risk Neonatal Nursing Course
- The S.T.A.B.L.E. Program – Cardiac Module
- Physician Courses
- Individually developed courses

Background

- Conception in late 2009
- Delivery in May of 2011
- "Taking great care of the patient"

Uses for Simulation

- Staff development
- Community outreach
- Practice competency

Staff Development: NRP

Staff Development: Respiratory Care
Community Outreach

Impact of this Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.T.A.B.L.E. Provider and Renewal courses</td>
<td>535</td>
</tr>
<tr>
<td>Cardiac Module – once per year</td>
<td>52</td>
</tr>
<tr>
<td>NRP Instructor – once per year</td>
<td>18</td>
</tr>
<tr>
<td>Low Risk Neonatal Nursing Course – offered twice per year</td>
<td>62</td>
</tr>
<tr>
<td>High Risk Neonatal Nursing Course – offered twice per year</td>
<td>81</td>
</tr>
<tr>
<td>NRP – Provider and Renewal</td>
<td>292</td>
</tr>
<tr>
<td>Physician Courses</td>
<td>29</td>
</tr>
</tbody>
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Practice Competency

- Divided into 3 categories
  - New graduate NNP
  - Experienced NNP
  - Practicing NNP with no or limited exposure to specific skills

Practice Competency: New Graduate NNP

- New graduate NNP whose clinical experience did not include all the procedures that our practice requires
  - Evacuation of Air Leaks
  - Circumcision
  - Bladder tap

Practice Competency: Experienced NNP

- Experienced NNP who has been away from bedside for more than 2 years
  - Requires “refresher” for all procedures required within our practice
Circumcision

- Life/Form Neonatal Circumcision Trainer

Bladder Tap

Air Leak Manikin

Air Leak Evacuation: Needle Aspiration

Air Leak Evacuation: Chest Tube
Air Leak Evacuation: Chest Tube

Lab Checklist

Practice Competency: Practicing NNP
– Practicing NNP with no or limited exposure to specific skills
  • Bladder tap
  • Evacuation of Air Leaks
  • Codes