Course description:
This workshop is for nurses who are planning to take the CNA certification examination or nurses wishing to refresh their paediatric critical nursing knowledge. Workshop material is based on the CNA exam blueprint and study guide. Content covers concepts specific to caring for the critically ill child and family including; physiologic and developmental concepts, pathophysiologic processes, assessment strategies, and treatment options for children who are medically, surgically, and acutely ill. This course benefits those who have step-down or cross over experience with children in the adult critical care units.

Course Format:
- The curriculum will be delivered in four, 2 hour online sessions held over 4 weeks.
- The sessions will be complemented by two - 45 minute open forum question and answer discussions where participants will have the opportunity to dialogue with the course facilitator and each other to share questions and resources.
- Questions or topics for the open forum can be submitted to the facilitator via email at any time during the course.
- Support for individual learning will be provided after course completion via email or potentially an online forum.

Evaluation:
- CACCN Standards for Critical Care Nursing Practice guide the course content and frame the presentations as well the evaluation (Bray et al., 2009).
- Participant will take part in integrated case reviews and multiple choice questions to test their knowledge as the sessions progress. Each session will also offer a CE credit online test.

Prerequisites:
- Nurse with critical care, step-down and adult paediatric cross over experience and those who have studied and want a final review before taking the CNA certification examination.

Participant pre-reading/prelearning resources:
- Recommend participant review of the CNA certification examination competencies, blue print and resources prior to the sessions.
Optional texts:


Teaching methods:
- Lecture
- Group discussion
- Case based learning: congenital heart disease, shock, RSV, MVC head injury, DKA, seizures
- CE exam

Learning Objectives:

By the end of this course the participant will:

1. Identify the common acute care needs of children with single and multi system illness or injuries.

2. Discuss important aspects of the cardiovascular, respiratory, renal, neurological, gastrointestinal, endocrine systems.

3. Review multisystem assessment, pharmacological interventions, clinical aspects of (insert content areas here)

4. Describe developmental and family centered approaches to caring for critically ill children and their families.

5. Exposure to exam preparation and writing strategies.
# Course Schedule:
Note: Session can be taken individually and are not cumulative

<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Time (EST)</th>
<th>Focus</th>
<th>Facilitator</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>July 11th</td>
<td>1800-2000</td>
<td>Intro to the exam</td>
<td>Ruth</td>
<td>Resuscitation; early warning – shock Renal/GI IPP practice Safety topics</td>
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<td></td>
<td>Cardiovascular</td>
<td>Ruth</td>
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<tr>
<td>2</td>
<td>July 25th</td>
<td>1800-2000</td>
<td>Respiratory</td>
<td>Ruth</td>
<td>ABG Sepsis DIC Parenting/Siblings</td>
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<td></td>
<td>FCC</td>
<td>KDP</td>
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<tr>
<td>Open forum</td>
<td>2000-2045</td>
<td></td>
<td>Q and A questions after session 1</td>
<td>optional</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Aug 15th</td>
<td>1800-2000</td>
<td>Neuro</td>
<td>KDP</td>
<td>Pain, seizures, musculoskeletal injuries Organ donation Bereavement</td>
</tr>
<tr>
<td>4</td>
<td>Aug 29th</td>
<td>1800-2000</td>
<td>Potpourri Endocrine – DKA, diabetes Transplant – immunosuppression professional practice (ethics etc) Haematology/oncology – blood transfusions; Resuscitation; shock High dependency patients</td>
<td>Ruth</td>
<td>Informed by participant needs</td>
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<td>KDP</td>
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<tr>
<td>Open forum</td>
<td>2000-2045</td>
<td></td>
<td>Final questions and discussion Follow up items</td>
<td>Optional</td>
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</tbody>
</table>

**Session objectives:**
1. Session one
   a. Intro to the certification exam
      - Review the exam competencies and category weight.
      - Review strategies for success.
      - Establish location of potential resources.
   b. Cardiovascular illness and injury
      Using a case study format, participants will review competencies for the cardiovascular system including:
      - Interpreting data related to the cardiovascular system
• Recognizing and appropriately intervening in actual or potential life-threatening alterations in cardiac output and perfusion
• Recognize indications and complications for extracorporeal life support
• Implementing nursing interventions to optimize perfusion and cardiac output
• Managing hemodynamic monitoring devices

Additionally, participants will recognize actual and potential issues relating to professional practice including safety, and ethical decision making.

2. Session two (Ruth will add objectives for session 2 Respiratory Case Study)
   a. Respiratory
   b. Family centred Care:
      ✓ Review the nurse’s role in transition of care to a less acute setting
      ✓ Recognize potential barriers and facilitators to family/sibling adaptation to the critical illness experience and the nursing interventions which support adaptation
      ✓ Articulate the foundational principals of FCC
      ✓ Demonstrate understanding of the trajectory of recovery from critical illness in supporting family during the transition care process.
      ✓ Recognize the unique needs of families experiencing critical care hospitalization for families living with the chronic illness of their child.

3. Session three (KDP to add objectives for below sessions)
   a. Neurological illness and injury
   b. Pain
   c. Organ Donation
   d. Bereavement:
      ✓ Review the key components of end of life care.
      ✓ Outline HSC end of life service for children and families including approaches to palliation, anticipatory grief support, legacy building, and follow up care.
      ✓ Discuss the nurse’s role in the provision of best end of life care.
      ✓ Explore the ethical, cultural and pragmatic considerations for end of life care in PICU.

4. Session four
   a. Competencies based on participant interests and domains explored

Participant supplementary reading: (Please add all references here)


