CICU APP Orientation & Practice Survey

**Q1 What is the name of the hospital where your intensive care unit is located?** \_\_\_\_\_\_\_

**Q2 Which of the following best describes your work setting?**

* Dedicated CICU
* Combined PICU/CICU

Display if Q2 = Combined PICU/CICU

**Q3 Which of the following is true for you?**

* I only manage CICU patients
* I rotate between managing ICU and CICU patients

**Q4 Select each that applies to your unit**

* 24/7 in house attendings
* Presence of fellows
* Presence of residents
* 24/7 APP coverage
* Some variation between day/night/weekend APP coverage
* Daytime only APP coverage 5 days/week
* Daytime only APP coverage 7 days/week
* None of the above

**Q5 Feel free to clarify or expand upon any of your responses above**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q6 Who carries out the advanced practice role in your unit?**

* NPs only
* PAs only
* Either NPs or PAs

**Q7 How many NPs or PAs work in your unit?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q8 How long have you been in your current CICU APP position?**

* 1-3 years
* 4-6 years
* 7 years or more

**Q9 Which of the following did you achieve before your current CICU APP position?** (Select all that apply)

* MSN
* DNP
* FNP
* PNP
* PNP-AC
* PA-C
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q10 What was your APP status before your current CICU APP position?**

* A newly graduated APP
* An experienced APP with no prior CICU NP experience
* An experienced APP with some prior CICU NP experience

Display if Q10 = An experienced NP with prior CICU NP experience

**Q11 How many years of CICU APP experience did you have before your current position?**

* < 1
* 1-3
* 4-6
* 7 or more

Display if Q10 = An experienced NP with prior CICU NP experience

**Q12 How many years of non-CICU APP experience did you have before your current position?**

* < 1
* 1-3
* 4-6
* 7 or more

**Q13 Which of the following are included in your scope of practice for clinical decision-making?** (Select all that apply)

* History/physical exam
* Interpret labs and diagnostic tests
* Develop and present patient management plans
* Order labs and diagnostic tests
* Initiate/adjust IV fluids
* Initiate/adjust nutritional support
* Initiate/titrate vasoactive drugs
* Initiate/adjust noninvasive respiratory support
* Initiate/adjust invasive respiratory support
* Initiate/adjust sedation/pain medications
* Manage procedural sedation
* Order blood products

**Q14 Which of the following are included in your scope of practice for procedures?**(Select all that apply)

* Intubation
* CVC insertion
* CVC removal
* Arterial line insertion
* UAC/UVC placement
* UAC/UVC removal
* Chest tube insertion
* Chest tube removal
* PD catheter removal
* Suturing
* Lumbar puncture
* Intracardiac line removal

**Q15 Who was primarily responsible for orienting you to your CICU APP role?** (Select only one option)

* Another NP
* A Physician Assistant
* CICU or PICU Attending physician
* Intensive care hospitalist
* Fellows
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q16 How long did your orientation period last?**

▼ Less than a month, 1 month, 2 months, 3 months, 4 months, 5 months, 6 months, More than 6 months, I can’t recall

**Q17 Did your unit/institution have any guidelines in place to guide your learning/competency during your orientation?**

* Yes
* No
* I can't recall

Display if Q17 = Yes

**Q18 What were your CICU orientation guidelines based on?** (Select all that apply)

* Hospital required guidelines
* Unit required guidelines
* Other national guidelines
* I can't recall

**Q19 Which of the following were included in your orientation?** (Select all that apply)

* Assigned reading list of articles or book chapters
* Didactic lectures/conferences on specific topics
* Case studies
* Precepting with specific learning objectives/competencies identified
* Precepting without specific learning objectives/competencies identified
* Procedural practice using simulation

Carry Forward Selected Choices from "Which of the following were included in your orientation? (Select all that apply)"

**Q20 How would you rate the effectiveness of each of the following aspects of your orientation?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not effective at all | Only slightly effective | Moderately effective | Very effective | Extremely effective |
| Assigned reading list of articles or book chapters  |  |  |  |  |  |
| Didactic lectures/conferences on specific topics  |  |  |  |  |  |
| Case studies  |  |  |  |  |  |
| Precepting with specific learning objectives/competencies identified  |  |  |  |  |  |
| Precepting without specific learning objectives/competencies identified  |  |  |  |  |  |
| Procedural practice using simulation  |  |  |  |  |  |

**Q21 How would you rate your orientation program in terms of providing the training needed to acquire such knowledge and skills for each area listed below?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Poor | Fair | Good | Excellent |
| Cardiac physical exam  |  |  |  |  |
| Obtaining a cardiac history  |  |  |  |  |
| Congenital heart disease anatomy  |  |  |  |  |
| Congenital heart disease physiology  |  |  |  |  |
| Management of preoperative patient (PGE, endocarditis, acute decompensated HF)  |  |  |  |  |
| Post-operative management strategies (LCOS, etc.)  |  |  |  |  |
| Management of postoperative complications (wound infections, CLABSI etc.)  |  |  |  |  |
| Medications (inclusive of vasoactives, diuretics, PAH medications etc. and weaning strategies/conversion to oral regimens)  |  |  |  |  |
| Heart failure/transplant  |  |  |  |  |
| VADs and ECMO  |  |  |  |  |
| Electrophysiology, arrhythmias, pacemakers (temporary and permanent), ICD's, medications  |  |  |  |  |
| Echocardiography  |  |  |  |  |
| Ventilators and ventilation strategies, weaning protocols, noninvasive ventilation strategies  |  |  |  |  |
| Nutrition, feeding, TPN  |  |  |  |  |
| Anticoagulation  |  |  |  |  |
| Interpretation of labs  |  |  |  |  |
| Interpretation of radiographic studies  |  |  |  |  |
| Performing procedures required for my role  |  |  |  |  |
| Understanding my professional role  |  |  |  |  |
| System/team/unit orientation  |  |  |  |  |

**Q22 Feel free to clarify or expand upon any of your responses above.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q23 How would you rate the balance that your orientation program achieved between 1. providing training on tasks (e.g., rounding, writing notes, writing orders) and 2. providing an in-depth understanding of CICU anatomy, physiology, and management?**

* Much too tilted towards task training
* Somewhat too tilted towards task training
* Appropriate balance between task training and providing an in-depth understanding
* Somewhat too tilted towards providing an in-depth understanding
* Much too tilted towards providing an in-depth understanding

**Q24 Feel free to clarify or expand upon any of your responses above**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q25 Were you evaluated in any way on your knowledge and skills during - or at the end of - your orientation?**

* Yes
* No

Skip to Q29 if Q25 = No

**Q26 Which of the following were you evaluated on? (Select all that apply)**

* Non-procedural knowledge and skills
* Procedural knowledge and skills

Display if Q26 = Non-procedural knowledge and skills

**Q27 How were you evaluated on your non-procedural knowledge and skills? (Select all that apply)**

* Answering competency questions
* Completing case scenarios
* Performing in simulations
* Other (Please describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display if Q26 = Procedural knowledge and skills

**Q28 How were you evaluated on your procedural knowledge and skills? (Select all that apply)**

* Answering competency questions
* Completing case scenarios
* Performing in simulations
* Answering questions during rounds (i.e., pimping).
* Other (Please describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q29 How would you rate the overall effectiveness of your orientation?**

* Not effective at all
* Only slightly effective
* Moderately effective
* Very effective
* Extremely effective

**Q30 What, if anything, in particular was effective about the orientation?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q31 What, if anything, would you have changed about the orientation to make it more effective?**

**Q32 How confident were you - by the end of your orientation - that you could perform autonomously as a CICU APP?**

* Not at all confident
* Only slightly confident
* Somewhat confident
* Extremely confident

**Q33 The Pediatric Cardiac Intensive Care Society is planning to develop a standardized curriculum for nurse practitioners in the CICU, which would consist of reading material, didactic content, and competency questions and case scenarios to evaluate knowledge.**

Suppose that this kind of standardized curriculum were developed and made available to all NP programs. How would you rate your level of support for this?

* Not supportive at all
* Only slightly supportive
* Somewhat supportive
* Very supportive
* Extremely supportive
* Unable to rate

Display if Q33 = Not supportive at all or Only slightly supportive

**Q34 Could you briefly describe why you answered as above**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q35 Final question - Do you have any additional comments you'd like to include regarding either your current CICU orientation program or the concept of a standardized curriculum? \_\_\_\_\_\_\_\_**