

*Best practice guidelines
for non-critical care staff
working in Critical Care to
enable the escalation
process only in times of
surge.*

Non-Critical Care Staff in Critical Care

Best Practice Guidelines

Platten Julie (RVW) Critical Care Network



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Introduction

This guidance is designed to be used to enable non-critical care staff to augment the staffing in Critical Care only in times of extreme surge to enable the escalation process.

General Principles

All non-critical care staff;

- Have a structured orientation to the area, including general information pack.
- Easily identifiable (colour scrubs /uniform)
- Are allocated a buddy who they work alongside who can support them.
- Should not be expected to work outside their scope of practice.
- Are not expected to look after L3 patients independently.
- Are not expected to administer Critical Care specific medication (Inotropes/vasopressors).
- Are not expected to operate critical care specific equipment.
- Only deliver care that they have been deemed as competent at.

Delegated Care

Delegation is the process by which a Registered Nurse can allocate work to someone who is deemed competent to undertake that task. As a registered nurse you are accountable for your actions and should not work outside your scope of practice.

Within the pack there are a number of skills that can be achieved to enable the non-critical care nurse to deliver delegated care under the supervision of the Critical Care nurse.

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Appendix 1 – General information for the non-critical care staff member

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Appendix 1

General Information about Adult Critical Care

Levels of Care

Level 0

Ordinary ward based care.

Level 1

Ward based care and a bit more observation

Level 2

High Dependency, patients are sicker and need a higher ratio of nurses

(1 Nurses to 2 Patients 1:2)

Level 3

Intensive Care, patient's sickest in the hospital and need 1 nurse to each patient (1:1)

Initial information to be thinking about

Patients on critical care are, by the nature of being on the unit at higher risk of adverse events. Our care and practices are aimed at reducing and/or preventing these events.

Policies, Guidelines and SOP's

These guide us to best practice and have been agreed by the overall team within Critical Care

Safety

Paramount in Critical Care – things for you to think about:

- Safety for patient – cot sides up, ID bands on and never leave a patient unobserved
- Safety for staff – needle free devices, visors, working as a team.

Infection Prevention & Control

We cannot overstate the importance of hand hygiene- if in doubt wash or gel your hands.

For specific advice on managing a patient in isolation please see Appendix XX

Documentation

This is rather different to the wards but required to ensure care is assessed, planned, given and evaluated. You will be guided as to completion.

Death and Dying

Always difficult but can be exacerbated on Critical Care where family may not have had time to cope with their loved one being critically ill.

Within Adult Critical Care, we have a close working relationship with a specialist team of nurses who are links between the transplant team and the donor (SNOD).

Much of what we do within Critical Care is very different to on the ward due to the high tech nature of the care but care is still care and we still hold hands, talk to patients and wash and clean.

Common Treatments.

You will not be expected to care for a patient alone; you are there to assist and must not take on responsibilities outside your scope of practice especially the thing detailed below.

Invasive ventilation

Invasive positive pressure ventilation requires that the patient be intubated by placing an endotracheal (ET) tube to provide direct ventilation to the lungs. It's indicated for patients who aren't breathing (apnoeic) or breathing ineffectively, causing ventilation problems. Intubation is necessary for any patient with impending or current respiratory failure. The ventilation modes can be divided into three ventilation groups: volume-controlled modes, pressure-controlled modes and spontaneous/assisted modes.

Non-invasive ventilation

Sometime patients don't need to be intubated but need breathing support. When respiratory failure is pending, the healthcare team will often take the least aggressive method of providing appropriate ventilation. Non-invasive ventilation can be an effective alternative to intubation. There are two different methods of non-invasive ventilation that can be used in this situation: BIPAP and continuous positive airway pressure (CPAP). Both use a mask that's placed over the nose or face delivering positive airway pressure and oxygen to help assist breathing. These methods are to be used only for a patient who's breathing spontaneously.

Inotropes and Vasopressors

Inotropes and vasopressors have excitatory and inhibitory actions on the heart and vascular smooth muscle, as well as important metabolic, central nervous system and presynaptic autonomic nervous system effects. They are powerful drugs that are used in Intensive Care to regulate a patient's heart rate, blood pressure and the force of contraction of the heart. They do this by working on specific receptors throughout the body¹. Inotropes and vasopressors are seen as high risk drugs due to their rapid effect on the cardiovascular system and their short duration of action both of which could have serious consequences if the drugs are administered incorrectly. Continuous infusions of these drugs are necessary to ensure a constant plasma drug concentration and **MUST NOT** be stopped and any alarms dealt with immediately². A replacement syringe should be prepared well in advance of the old syringe needing to be replaced.

¹ Overguard & Vladimir **Inotropes and vasopressors: review of physiology and clinical use in cardiovascular disease**. Circulation. 2008 Sep 2;118(10):1047-56

² Crisp (2002) **Minimising the risks: safe administration of inotropic drug infusions in intensive care**. Nursing in Critical Care 7(6) :283-289

Appendix 2

Orientation Checklist

Name		Designation	
Discuss	Specific Criteria	√	Completed
Environment	Layout of the ward /check access		Initials Date
	Visitors reception/facilities		
	Sluice		
	Linen Store		
	Stores		
	Staff Facilities		
Staff Uniform & Roles	Doctors		Initials Date
	Registered Nurses		
	Healthcare Assistants		
	Physiotherapists		
	Pharmacists		
	Dietician		
	Ward Clerks		
Fire Policy/Procedure	Location of fire panels		Initials Date
	Location of break glass points		
	Fire exists		
	Hoses and Fire Extinguishers		
	Evacuation Procedure		
	• <i>equipment</i>		
	• <i>evacuation area</i>		
	Fire Alarm Tests		
Resuscitation Equipment	Location of Resuscitation Trolleys		Initials Date
	Content of trolley		
	Location of airway trolleys		
	Content of trolley		
	Checking Procedure		
	Restocking procedure		
Other Emergency Equipment	Location of portable oxygen		Initials Date
	Checking/Ordering O ₂ cylinders		
	Location of transfer equipment		
	Emergency procedure trays/trolleys		
Emergency Procedures	Emergency call bell		Initials Date
	Equipment Alarms to be aware of		
	• <i>Ventilator</i>		
	• <i>CRRT</i>		
	• <i>Infusion pump (inotropes)</i>		
Emergency Bleep System			
Storage Areas	Equipment		Initials Date
	CSSD procedures		
	Documentation & Stationary		
Visitors	Visiting Hours		Initials Date
	Number of visitors to bed		
	Visitor information leaflets		
<i>Person who is doing the Induction</i>			
Name	Signature	NMC Number	Date
<i>New Staff member</i>			
Name	Signature	NMC Number	Date

**The checklist must be completed fully and signed by both yourself and the person doing the orientation.
A copy must be given to the Unit Manager to be kept in your personal file.**

Appendix 3

Non-Critical Care Staff Skills Checklist

New Staff member

Name	Signature	NMC Number	Date
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Patient Bed Areas

Discuss and/or Demonstrate	v	Initials /Date
1 Operation and functions of bed area pendant systems <ul style="list-style-type: none"> • Safety aspects • Medical Gases • Maintaining privacy and dignity for patients 		
2 Equipment and stock required to set up a bed area for admission for a patient. <ul style="list-style-type: none"> • Standard stock for bed area 		
3 Maintaining a safe environment in the bed area <ul style="list-style-type: none"> • General safety checks • Daily checks • Reporting faults / broken equipment 		
4 Infection control procedure in the bed space <ul style="list-style-type: none"> • daily cleaning • cleaning of equipment • mattress cleaning • cleaning of non-disposable kit 		
5 Waste disposal policy <ul style="list-style-type: none"> • clinical waste • non clinical waste 		

Demonstrate an understanding of the principals involved in prevention of cross infection

Discuss and/or Demonstrate	v	Initials /Date
1 Demonstrate correct hand washing technique		
2 Demonstrate the use of personal protective equipment		
3 Demonstrate the nursing management of patients with an infection		
4 Demonstrate the correct disposal of all types of waste from the clinical area		
5 Demonstrate the precautions that relatives need to take to prevent cross infection		

Demonstrate an understanding of the safe practice required when caring for a ventilated patient

Discuss and/or Demonstrate	v	Initials /Date
1 Demonstrate and understands the safety factors that need to be considered when caring for a ventilated patient <ul style="list-style-type: none"> • cot sides raised and secured • observation of patient (1:1) • ET tube secured – tubing not pulling 		

**The checklist must be completed fully and signed by both yourself and the person doing the orientation.
A copy must be given to the Unit Manager to be kept in your personal file.**

2	Monitoring of a patient in critical care <ul style="list-style-type: none"> • Attach the ECG monitor leads in the correct manner. • Understands common alarms and actions 		
3	Demonstrate understanding of critical care patient observation charts <ul style="list-style-type: none"> • What information is recorded • Correct completion understands escalation procedure if observations outside expected parameters 		
4	Discuss the functions of the transducer and factors that need to be considered in their use <ul style="list-style-type: none"> • Position • Flush bag 		
5	Discuss the importance of recording accurate fluid balance in critically ill patients <ul style="list-style-type: none"> • Fluid balance chart - completion • Hourly urine measurements 		
6	Medicines Management <ul style="list-style-type: none"> • Patients only medications at the bedside • IV's not to be drawn up more than an hour in advance • Importance of Inotrope/vasopressor infusions - actions • Controlled Drugs must be used or destroyed immediately 		

Demonstrate a holistic approach to patient's hygiene

Discuss and/or Demonstrate		√	Initials /Date
1	Demonstrate the nursing interventions required to promote effective eye care.		
2	Demonstrate the nursing interventions required to maintain healthy oral mucosa		
3	Demonstrate the nursing interventions required to maintain skin integrity		

Any Comments / Concerns

<i>Person who is doing the Induction</i>			
<i>Name</i>	<i>Signature</i>	<i>NMC Number</i>	<i>Date</i>
<i>New Staff member</i>			
<i>Name</i>	<i>Signature</i>	<i>NMC Number</i>	<i>Date</i>

**The checklist must be completed fully and signed by both yourself and the person doing the orientation.
A copy must be given to the Unit Manager to be kept in your personal file.**