



UCD School of  
Nursing, Midwifery  
and Health Systems



# CPD Certificate National Foundation Education Module

**NMHS 32700 National Foundation Module Critical Care Nursing**

**Module overview**

**Module leader: Katie Wedgeworth**

**[Katie.wedgeworth@ucd.ie](mailto:Katie.wedgeworth@ucd.ie)**

**017166447**

**[Module web link](#)**

**September, 2019 & February, 2020 intake**

## **Module Objectives and Learning Outcomes**

The objective of this module is that students will be able to safely and competently care for critically ill patients in the critical care environment in which they are employed.

## **Learning Outcomes**

On completion of this module students should be able to:

1. Demonstrate an understanding of normal anatomy and physiology and its application to disordered function.
2. Demonstrate the application of available knowledge to guide the assessment, planning, implementation and evaluation of evidence based nursing care.
3. Perform and review a comprehensive and systematic assessment of a critically ill patient using an appropriate framework.
4. Interpret and examine assessment results and data using supportive research to determine normal values and underlying pathophysiology for critically ill patients.
5. Evaluate the clinical significance and nursing implications of assessment data.
6. Demonstrate and maintain therapeutic and professional relationships by delivering systematic and comprehensive patient care.
7. Integrate research and reflection into clinical practice.
8. Promote continuity of care by contributing to multidisciplinary collaboration across the health care continuum.

## **Module Structure**

The National Foundation Module in Critical Care Nursing is a 10 credit, part-time, taught blended learning module. It is designed to meet the learning needs of busy Registered Nurses (RNs), by providing a flexible (blended) learning environment.

The duration of this module is 26 weeks. There are two intakes per year, September and February. Students will be required to attend UCD on the following dates:

**September Intake:** Thursday 24<sup>th</sup> October, and Thursday 9<sup>th</sup> January 2020.

**February Intake:** Thursday 12<sup>th</sup> March and Thursday June 11<sup>th</sup> 2020.

## **Assessments:**

Theoretical learning will be examined using a Case Study Presentation, and an end of module MCQ examination.

Clinical learning will be examined through the attainment of Clinical Competencies in student's employment setting.

## **Teaching and Learning strategies**

The following teaching and learning strategies will be integrated into the schedule to facilitate each student to achieve the aims and objective of the module.

### **Blended learning methodologies**

E-learning: Online learning activities (e-tivities) with links to online readings and self-directed learning will enhance the student's ability to learn independently and facilitate knowledge and understanding of theories and principles of critical care nursing.

### **Online learning**

This module consists of six units of study.

Unit 1: Care of the patient with altered respiratory function

Unit 2: Care of the patient with altered cardiovascular function

Unit 3: Care of the patient with altered renal function and fluids & electrolyte balance

Unit 4: Care of the patient with altered gastrointestinal and endocrine function

Unit 5: Care of the patient with altered neurological function

Unit 6: Managing the Critically Ill Patient

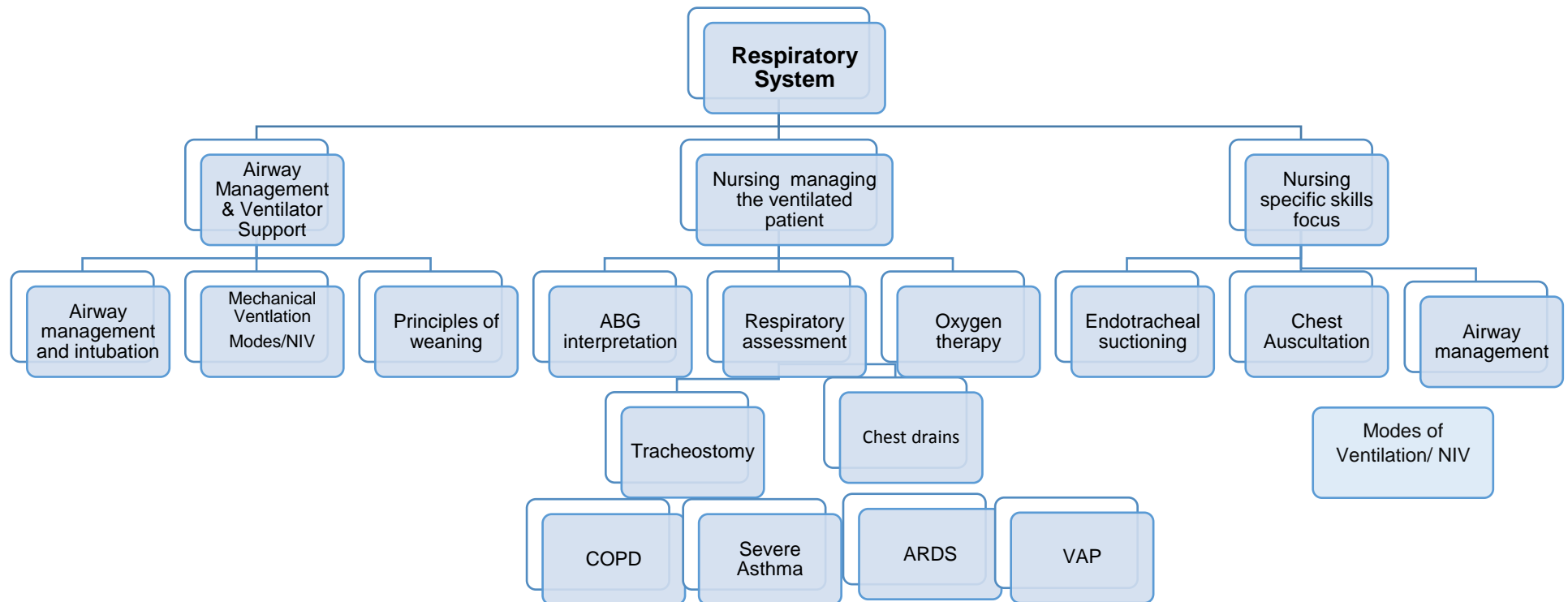
Students will be able to check their understanding with formative clinical case study reviews, formative online quizzes and summative clinical case presentation assignment and MCQ examination.

### **Skill acquisition**

Students will be immersed in clinical practice and supported and assessed by a clinical preceptor and or clinical facilitator for the duration of the module. During this time, students will avail of situational learning opportunities to develop the required technical skills and attitudes to function safely in their clinical area. Online interactive learning activities and simulation workshops will also enhance the student's knowledge underpinning the technical skill associated with each unit of learning.

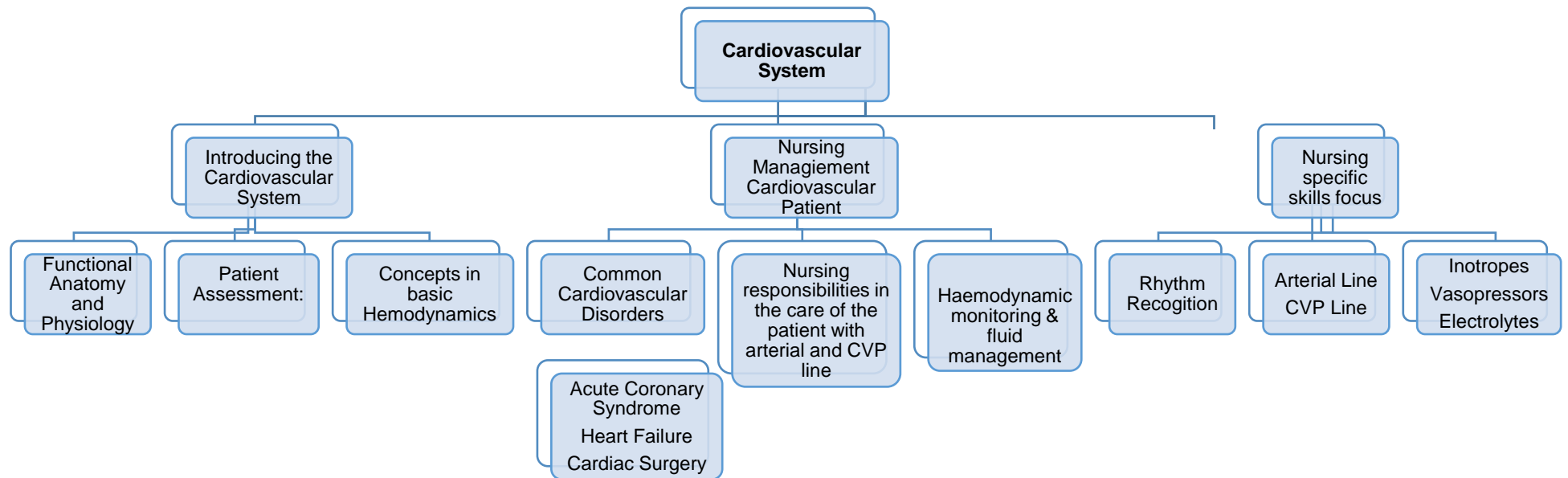
# Units of learning

## UNIT 1: Care of the patient with altered respiratory function



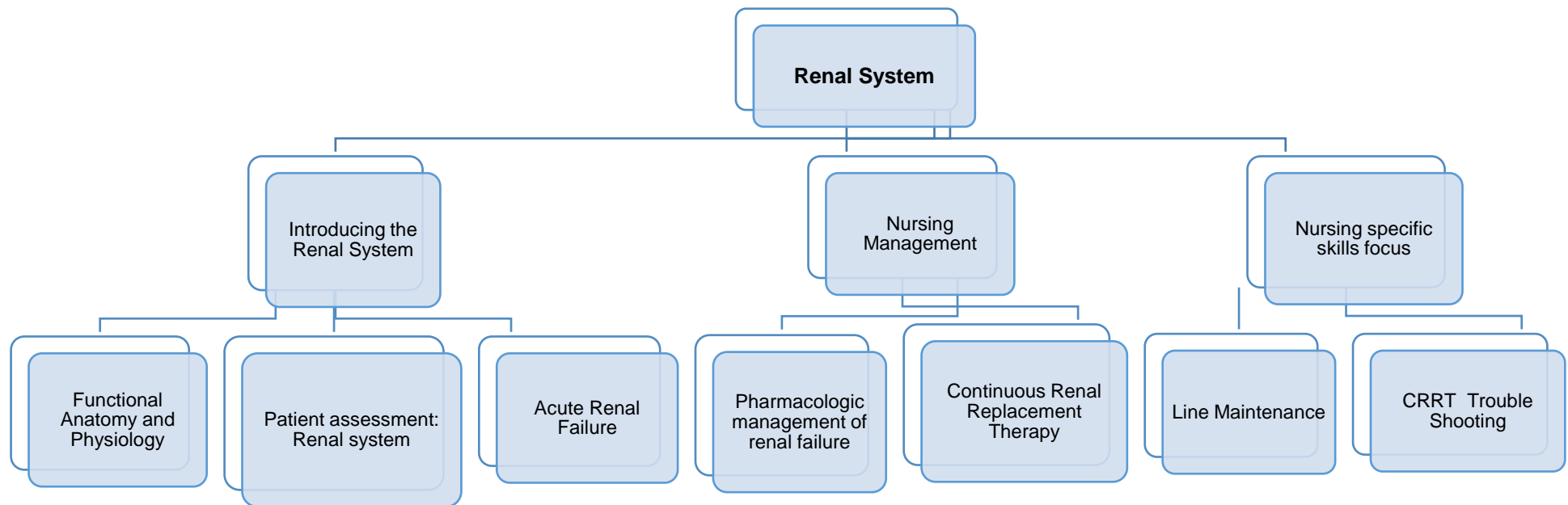
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**UNIT 2:** Care of the patient with altered cardiovascular function



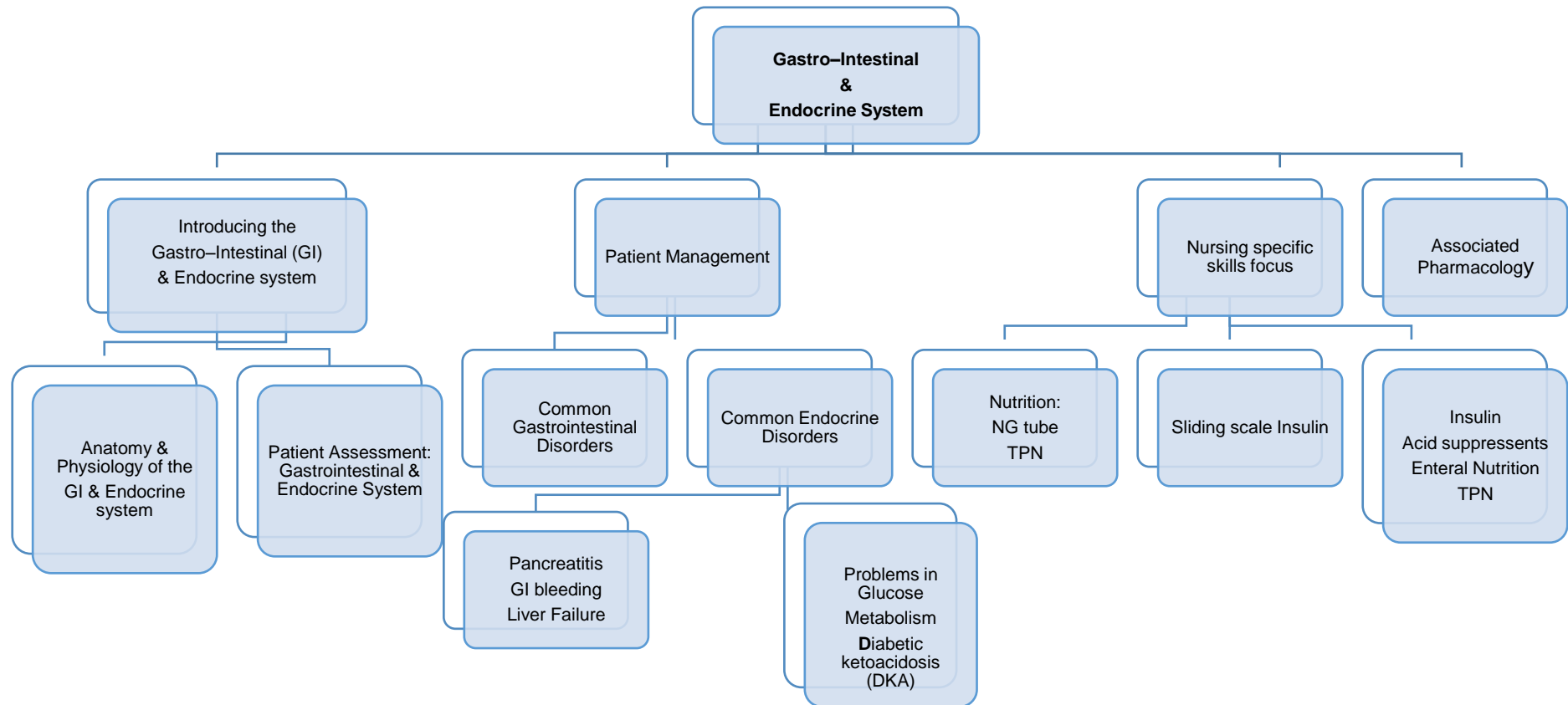
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**UNIT 3:** Care of the patient with altered renal function and fluids and electrolyte balance



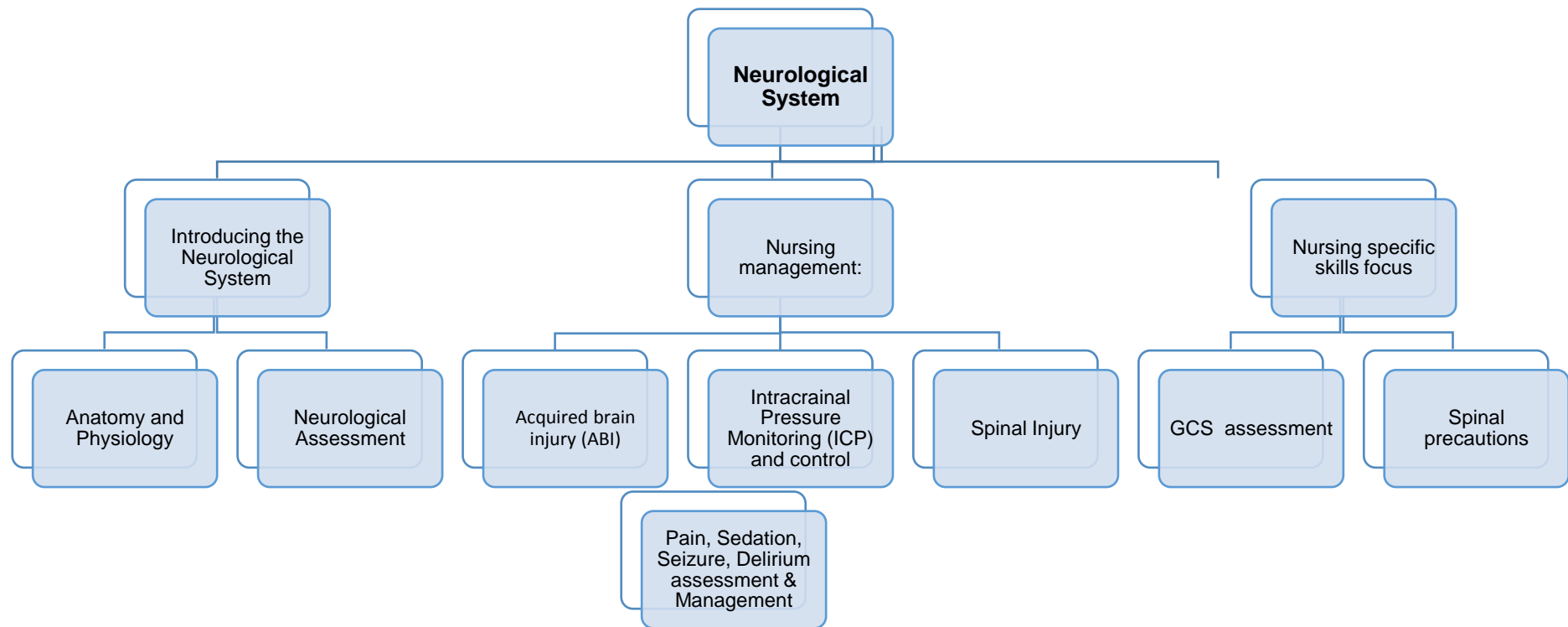
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**UNIT 4:** Care of the patient with altered gastrointestinal and endocrine function



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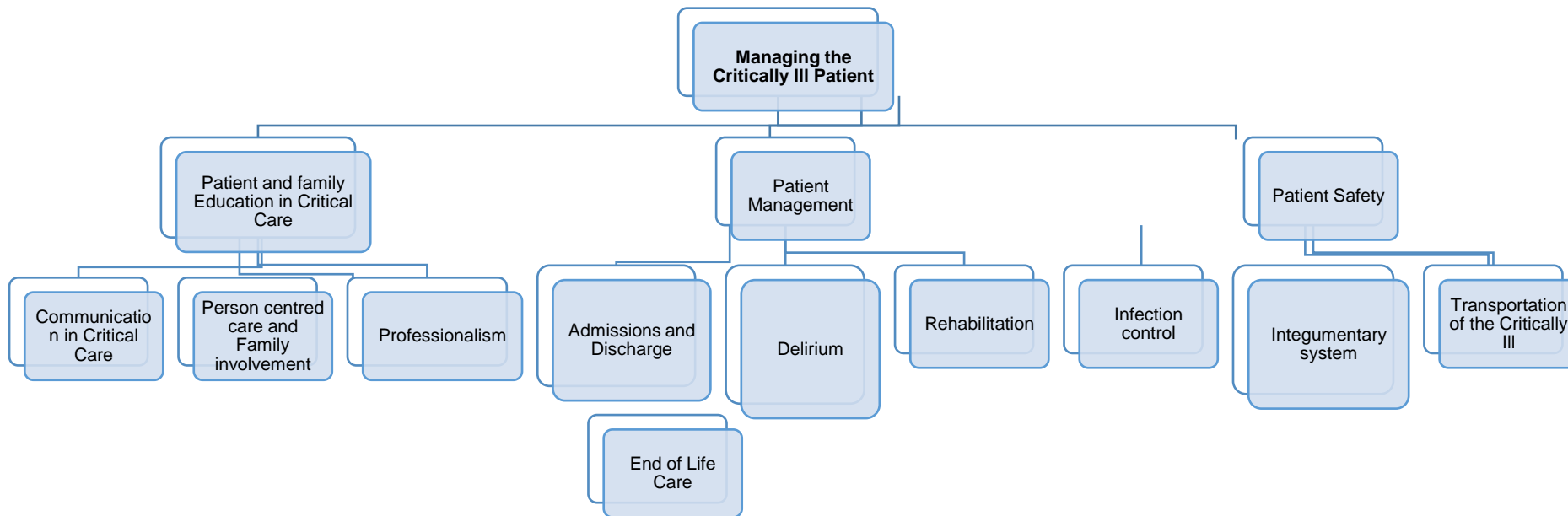
**UNIT 5: Care of the patient with altered neurological function**



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- **UNIT 6: Managing the Critically Ill Patient**



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## Module Outline September Intake 2019

<b>NMHS 32700 National Foundation Programme Critical Care Nursing –</b>					
<b>Class</b>	<b>Date</b>	<b>Module Content</b>	<b>Lecture /Workshop</b>	<b>Learning Activity</b>	<b>Assessment</b>
Module Induction Day	2 <sup>nd</sup> – 6 <sup>th</sup> Sept.	<ul style="list-style-type: none"> <li>• Online Registration</li> <li>• Online Induction to programme</li> <li>• Online Orientation to online learning;</li> </ul>	<b>Online</b>		N/A
1	9 <sup>th</sup> Sept. – 27 <sup>th</sup> Sept.	<ul style="list-style-type: none"> <li>• Care of patient with altered respiratory function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
2	30 <sup>th</sup> Sept. – 18 <sup>th</sup> Oct	<ul style="list-style-type: none"> <li>• Care of patient with altered cardio vascular function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
	Thursday 24 <sup>th</sup> October	<p><b><u>On campus simulation workshop</u></b> Theoretical application (unit 1 &amp; 2) in practice</p>	<p><b><i>On Campus UCD</i></b> <b><i>9 -4:30 pm</i></b> <b><i>Clinical skills lab :</i></b></p>		Formative feedback during workshop
3	29 <sup>th</sup> Oct – 8 <sup>th</sup> Nov	<ul style="list-style-type: none"> <li>• Care of patient with altered renal function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
4	11 <sup>th</sup> Nov – 22 <sup>nd</sup> Nov	<ul style="list-style-type: none"> <li>• Care of patient with altered gastrointestinal and endocrine function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ& case studies.  <b>Summative: submit Case Presentation (Nov 22<sup>nd</sup>)</b>
5	25 <sup>th</sup> Nov. – 6 <sup>th</sup> Dec	<ul style="list-style-type: none"> <li>• Care of patient with altered neurological function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies

6	9 <sup>th</sup> Dec – 20 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>Care of patient with Multisystem disorders</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>Review online learning resources</li> <li>Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
	Thursday 9 <sup>th</sup> January 2020	<b><u>On campus simulation workshop MCQ exam</u></b>	<b><i>On Campus UCD</i></b> <b><i>8:45 -9:45 am: MCQ exam</i></b> <b><i>10:30am – 4:30pm</i></b> <b><i>Simulation Lab</i></b>		Summative MCQ examination
<b>MCQ Final Assessment will take place on Thursday January 9<sup>th</sup> 2018</b>					
	13 <sup>th</sup> Jan – 13 <sup>th</sup> March	Nine weeks clinical learning consolidation and submission of competency attainment record	<b><i>In practice and online in Blackboard</i></b>	Reflective exercise	Formative Reflective exercise
<b>Submission of Clinical Competency Attainment Document is due on 13<sup>th</sup> March 2020</b>					

**Subject to change**

## Module Outline February Intake 2020

<b>NMHS 32700 National Foundation Programme Critical Care Nursing –</b>					
<b>Class</b>	<b>Date</b>	<b>Module Content</b>	<b>Lecture /Workshop</b>	<b>Learning Activity</b>	<b>Assessment</b>
Module Induction Day	3 <sup>rd</sup> – 7 <sup>th</sup> February	<ul style="list-style-type: none"> <li>• Online Registration</li> <li>• Online induction to programme</li> <li>• Online Orientation to online learning;</li> </ul>	<b>Online</b>		N/A
1	Feb 10 <sup>th</sup> – Feb 28 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Care of patient with altered respiratory function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
2	Mar 2 <sup>nd</sup> - Mar 20 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Care of patient with altered cardio vascular function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
	Thursday 12 <sup>th</sup> March	<p><b><u>On campus simulation workshop</u></b> Theoretical application (unit 1 &amp; 2) in practice</p>	<p><b><i>On Campus UCD</i></b> <b><i>9 -4:30 pm</i></b> <b><i>Clinical skills lab :</i></b></p>		Formative feedback during workshop
3	March 23 <sup>rd</sup> - April 3 <sup>rd</sup>	<ul style="list-style-type: none"> <li>• Care of patient with altered renal function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ; & case studies
Easter Break	April 6 <sup>th</sup> –April 17 <sup>th</sup>				
4	April 20 <sup>th</sup> – May 1 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Care of patient with altered gastrointestinal and endocrine function</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online learning resources</li> <li>• Complete assigned reading</li> </ul>	Self-directed formative MCQ& case studies.  <b>Summative: submit Case Presentation (May 1<sup>st</sup>)</b>
5	May 5 <sup>th</sup> – May 15 <sup>th</sup>	<ul style="list-style-type: none"> <li>• Care of patient with altered</li> </ul>	<b>Online in Blackboard</b>	<ul style="list-style-type: none"> <li>• Review online</li> </ul>	Self-directed formative

		neurological function		learning resources • Complete assigned reading	MCQ; & case studies
6	May 18 <sup>th</sup> – May 29 <sup>th</sup> .	• Care of patient with Multisystem disorders	<b>Online in Blackboard</b>	• Review online learning resources • Complete assigned reading	Self-directed formative MCQ; & case studies
	Thursday June 11 <sup>th</sup>	<b><u>On campus simulation workshop MCQ exam</u></b>	<b><i>On Campus UCD 9:45 – 9:45 am: MCQ exam 10:30am – 4:30pm Simulation Lab</i></b>		Summative MCQ examination
<b>MCQ Final Assessment will take place on Thursday June 11<sup>th</sup> 2020</b>					
	June 15 <sup>th</sup> – Aug 14 <sup>th</sup>	Nine weeks clinical learning consolidation and submission of competency attainment record	<b><i>In practice and online in Blackboard</i></b>	Online group case discussion & Reflective exercise	Formative •Online group case discussion & Reflective exercise
<b>Submission of Clinical Competency Attainment Document is due on 14<sup>th</sup> August</b>					

Subject to change

**Required reading:**

Mallett, J., Albarran, J. and Richardson, A., (2013). *Critical Care Manual of Clinical Procedures and Competencies*. John Wiley & Sons.

N Morton, P.G. and Fontaine, D.K., 2013. *Essentials of Critical Care Nursing*. Wolters Kluwer Health/Lippincott Williams & Wilkins,