

Introduces

Critical Care Certification Course for Nurses (4CN)

Offered by Critical Care Foundation
(Affiliated to Critical Care Nurses Society)
(Member of World Federation of Critical Care Nurses)

Duration: 6 Months

*Registrations are open for
course commencing in
Septembet First week*



Board of GOVERNORS (4CN)



Dr. Narendra Rungta - Chairman
MD FCCM FICCM FISCCM
Chairman and Managing Trustee
Critical Care Foundation Jaipur
Past President, ISCCM
Founder President Association of
SAARC Countries Critical Care Societies
Past Chairman - Intensive Care Chapter (IAP)



Dr. Banambar Ray - (Advisor)
MD, FICCM Head of Critical Care Medicine,
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A Unit of SOA, Bhubaneswar



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MD, FICCM
Director Medical Affairs,
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Dr. Ranvir Tyagi - Member
Director, Dept. of Anaesthesia,
Critical Care & Pain Medicine,
Synergy Plus Hospital, Agra



Dr. Lalit Singh - Member
Professor & Head Dept.,
Respiratory Medicine & Head of
Critical Care Medicine,
SRMS IMS, Bareilly (UP)



Prof. Dr. Jaya Kuruvilla
Principal, P.D. Hinduja Hospital
& MRC college of Nursing
Founder & Past President Critical
Care Nurses Society (CCNS), India

Co-opted Members



Dr. Parshotam Gautam
Professor and Head, Department of
Critical Care Medicine,
Dayanand Medical College & Hospital,
Ludhiana



Dr. Bikram Gupta
Head, Critical Care Medicine,
HIMS Varanasi



Dr. Prashant Kumar
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Dr. Sayi Prasad
Director, Critical care medicine
Diamond Superspeciality Hospital
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Dr. Deepak Sharma
Consultant Intensive Care Medicine
at Sandwell & West Birmingham NHS Trust,
U K



Ms. Pooja Nair
Associate Professor,
P.D. Hinduja Hospital & MRC college of Nursing
MSc. Critical Care Nursing, Treasurer, Critical Care
Nurses Society (CCNS) India

Preamble

An intensive care nurse is pivotal in delivering care in ICU and it is seen world over that it is the nurses' proficiency which decides the quality of care in ICU. Over all these years, since late 60s we instituted intensive care units in India, we all have felt the dire need of good quality and number of dedicated ICU nurses; but we continue to be deprived of such quality human resources in almost all ICUs in India. Various attempts have been made at various levels but those have woefully failed to achieve the desired objective especially in two tier cities and ofcourse not to mention the smaller cities and towns. COVID-19 pandemic has glaringly exposed this deficiency in India and certainly this would have costed us dearly during these two trying years of the pandemic. The Critical Care Foundation group was self-motivated to take up this cause and prepare a rigorous training program for nurses who, after successful completion, would go back to various level III or level II ICUs with a proper frame of mind and proficiency to deliver ICU care and play a leadership role for training other nurses and organizing a culture of learning, free of tension and fear. The promoters are committed to provide highest level of training at minimum cost which is affordable. The objective also is to enhance their self esteem and make them confident and knowledgeable ICU specialist nurses who could be easily selected by specialty hospitals in India and overseas with a respectable remuneration package.

Components

- **Theory:** Classes will be online,3 hours daily, five days a week (Monday to Friday) 80% Attendance mandatory to qualify for Theory examination
- **Clinical Training :** 3 months Bedside Internship in Level II and III ICU under guidance of a Mentor in designated Hospitals
- **Project:** Each Trainee will get a project and will be required to prepare a document of about 1000 words on the project and will be asked to present the same on PPT
- **Personality and Leadership development**
- **English Language** and Communication Proficiency Program

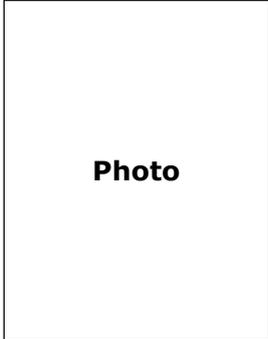
Eligibility

- Minimum qualification: B.Sc. (nursing) or GNM, (preferably with ICU experience)
- The course is open to all nationals subject to regulatory clearance

Critical Care Certification Course for Nurses (4CN)

Application Form for Course registration

Name of applicant:
 Date of birth: DD/MM/YYYY:
 Nationality:
 Address: H.No
 Name of the Road: Area:
 City/Town:
 District: State: Pin:
 Country:



Personal details:

1. Contact number:
 2. Email address:
 3. Educational qualification (Basic):
 Nursing: GNM B.Sc. M.Sc.
 Year of passing: Registration number of Nursing Council:

Name of the Institution of Study

Hospital/College/School.....City.....
 Experience in Critical Care: Years..... Months.....
 Name of institution where critical care exposure was received:
 Hospital..... City..... ICU i/c
 Present institution of work: From.....To.....

Linguistic competence:

	Language	Understand	Speak	Read	Write
1					
2					
3					
4					

Preferred city

1. 2.

Preferred Hospital

1. 2.

(Give two options)

Acceptance of terms & conditions and code of conduct (available in the website)

Yes

Self-financed: Corporate sponsored: (If yes, then give details overleaf)

Payment details:

BD No BankDate

Signature & Name:

Date Place.....

Instructions to aspiring candidates:

- Read, carefully, all the instructions and information available on the website
- Type form in Capital letters and submit online to info.criticalcarefoundation@gmail.com
- Full payment for the course to be made in advance
- Refund related claims (partial or full) will not be entertained
- Attach/ upload proof of qualification and experience

Documents required:

- B.SC / GNM degree / diploma copy (self-certified)
- Two PP size photographs
- Certificate of ICU experience
- Copy of Adhar card
- Copy of PAN CARD
- Passport copy (in case of Foreign Nationals) of 1st & last page

Teaching Faculty



Dr. Narendra Rungta
- Chairman

MD FCCM FICCM FISCCM
Chairman and Managing Trustee
Critical Care Foundation Jaipur
Past President, ISCCM
Founder President Association of
SAARC Countries Critical Care Societies
Past Chairman - Intensive Care Chapter (IAP)



Dr. Pravin Amin

HOD of Critical Care Medicine
Bombay Hospital Institute of
Medical Sciences Breach Candy Hospital
Mumbai



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- (Advisor)

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SUM Ultimate Medicare,
A Unit of SOA, Bhubaneswar



Dr. D P Samaddar
- (Advisor)

MD, FICCM, Director Medical Affairs,
Administration, CCU, Academics,
Ruby General Hospital, Kolkata



Dr. Rashmi Kapoor

MBBS, MD, HOD of Pediatrics,
Director Division of Pediatric Critical Care
& Pulmonology, Regency Hospital Ltd,
Kanpur



Dr. Kundan Mittal

MD, PGDMLS, MBA, FPCC, FIAP, FNNF,
FCCM, FICCM
Professor in Pediatrics,
Pt. B D Sharma, PGIMS, Rohtak-Haryana



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Synergy Plus Hospital, Agra



Dr. Asif Ahmed

Senior Consultant & Head of Department,
Critical Care Medicine,
Tata Main Hospital, Jamshedpur (Jharkhand)



Dr. Reshu Gupta Khanikar

DA, IDCCM, Senior Consultant & HOD
Dept of Critical Care Medicine,
Health City Hospital, Guwahati



Dr. Arvind Dahiya

Director of Kainos Hospital
Rotak



Prof. Dr. Jaya Kuruvilla

Principal, P.D. Hinduja Hospital
& MRC college of Nursing
Founder & Past President Critical Care
Nurses Society (CCNS), India



Dr. Prashant Nasa

Specialist & Head Critical Care Medicine
Chairman IPCNMC Speciality Hospital
Dubai, UAE

Contents of Course:

Theory

- Complete coverage of Nursing critical Care syllabus
- Exposure to spoken English
- Stress on Communication and Leadership development

Clinical Training

- Bedside training in Level II or Level III ICU (Under guidance of a Mentor)

Course Material

- One Text Book on Nursing Critical Care will be given to all Registered Nurses
- Additional literature will be given as and when required.

Exit Examination for Certification

- Theory Exit Test after 3 Months: 60% score mandatory to qualify for bedside internship
- Clinical Exit Test: 75% marks required for successful certification

After successful certification

- Successful Nurses will be recommended for employment in best Hospitals, including international and national hospitals

Registration Fee

For Indians Including SAARC Nationals Rs 37000/- Including Theory course; practical bedside clinical training, examination fee and certificate fee.

Other Foreign Nationals 500 USD

Number of seats

Maximum 25 (Interviews will be conducted online if needed)

Currently available Locations of Hospitals for Bedside internship (More Locations will be added soon)

Jaipur	Bhubaneswar
Agra	Bareilly
Kanpur	Varanasi
Kolkata	Aurangabad
Rohtak	Mumbai
Guwahati	New Delhi
Ludhiana	Varanasi
Indore	Vadoda
Lucknow	Kolhapur
Nasik	

(More centers are likely to added)

Teaching Faculty



Dr. Sayi Prasad
Director, Critical care medicine
Diamond Superspeciality Hospital
Kolhapur, Maharashtra



Dr. A. K. Singh
Sr. Consultant, Pulmonary & Critical Care
Medicine, Regency Hospital,
Kanpur



Dr. Yash Javeri
Head CCM and Emergency Medicine
Regency Super Speciality Hospital
Lucknow



Dr. Deepak Sharma
Consultant Intensive Care Medicine
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U K



Ms. Sani George
Master of Science in Critical care
Nursing, Nursing Tutor, P.D. Hinduja
Hospital & MRC college of Nursing



Ms. Vinodini Panda
Senior Nursing Tutor, TMH



Ms. Jessy George
Senior Nursing Tutor,
Sum Ultimate Medicare,
Bhubaneswar



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Dr. Bikram Gupta
Head, Critical Care Medicine,
HIMS Varanasi



Dr. Uma Hariharan
(MBBS, DNB, MNAMS, PGDHM,
DESA, FICA, FIMSA, CCEPC)
Associate Professor Anaesthesiology,
Dr RMLH and ABVIMS, New Delhi FCCS,
FCCS OBSTETRICS, ATLS, NELS,
ACCC, BCLS/CCLS Instructor



Dr. Padmakumar. S
Nurse Educator
Sum Ultimate Medicare,
Bhubaneswar

CRITICAL CARE NURSING SYLLABUS

Section I

1. Concepts in nursing practice
2. Leadership and motivation
3. History of critical care
4. ICU mannerism and discipline
5. Communication in English
6. Organization and planning of ICU
7. Quality assurance in ICU

Section II

8. Protocols and SOPs
9. Monitoring and Charting
10. Handing Over and taking over
11. Infection Control Program
12. Prevention of Errors
13. FASTHUGS
14. Dangerous Drug and administration in ICU

Section III

15. Assessment of critically sick patient and primary survey
16. BLS
17. Communication with patient, relatives, colleagues, admin and physicians
18. Preparation for rounds
19. Ethics in ICU and Medicine
20. Blood and Blood Components and Transfusion reactions
21. Drugs :
 - Fluids
 - Sedatives, analgesics and Paralytics
 - Antibiotics
 - Drugs in MI, antiarrhythmic and other cardiac conditions etc
 - Anticoagulants
 - Steroids
 - Oxygen and Oxygen Therapy
 - Antibiotics
 - Antifungals
 - Antivirals and Antiparasitic
 - Insulin
 - Sodium Bicarbonate
 - Hypertonic Saline
 - Hypertonic Glucose
 - Magnesium Sulfate
 - Calcium
 - Anticonvulsants
 - IVIG
 - Medicines used in CPR
 - Antihypertensive drugs

Diuretics

Albumin

Bronchodilators

Vitamins and antioxidants

Miscellaneous Drugs like NAC

Total Parenteral Nutrition

Others

SYSTEMS

Cardiac

1. Anatomy and Physiology
2. MI
3. Arrhythmias
4. Tamponade
5. Shock

Respiratory

1. Anatomy and Physiology
2. Airway
3. FB
4. COPD and exacerbation
5. Pneumonias
6. Croup
7. ARDS
8. Pulmonary oedema
9. Pulmonary embolism
10. Status Asthmatics

CNS

Anatomy and Physiology

Head Injury

CVA

CNS Infections

Cerebral Oedema

Hydrocephalus

Epilepsy

GBS

Abdomen

1. Anatomy and Physiology
2. Acute Liver Failure
3. Pancreatitis
4. Abdominal compartmental syndrome
5. Acute abdomen
6. APD

Renal

1. Anatomy and Physiology
2. AKI
3. Electrolyte and Imbalance
4. Acid Base Imbalance
5. Renal Transplant

Endocrines

1. Anatomy and Physiology
2. DKA
3. Acute Hyperthyroidism and Hypothyroidism
4. Adrenal glands and Crisis
5. Hypopituitarism
6. Pheochromocytoma
7. Others

Miscellaneous

1. Poisonings
2. Tetanus
3. Covid
4. HIV
5. Burns
6. Septic Shock
7. Hemorrhagic situations
8. Tropical Fever
9. Tuberculosis
10. Immune compromised patient
11. Palliative therapy
12. End of Life support
13. Perioperative patient
14. Pregnancy
15. Paediatric patient
16. Pain in ICU and its management
17. Scores in ICU
18. Emergency and disaster Nursing

Teaching and Training

- Total number of Power Point presentations - About 150
- Weekly Review and Problem resolution meetings About 30
- Reviews will include Faculty to registered candidate, faculty to faculty etc.
- The Course is fully structured and Uniform for all participants
- Each PPT is, case based mostly, structured and peer-reviewed
- There may be sudden tests to promote confidence

Additional points

- Theory Classes will be held online 6 to 9 PM from Monday to Friday
- 80% attendance is essential to be eligible for sitting in theory exam
- Every registered nurse will be encouraged to write a paper on a given topic
- Required changes will be made during the course on SOS basis
- The candidates will be free to choose their hospitals and city from the given list and they will be required to abide by the discipline of the hospitals
- During practical bed-side training the nurse will be responsible for his/her boarding and lodging
- Hospitals may sponsor their own nurses for this course.

AIM

To Train Critical Care Nurses with advanced level competencies, sound Clinical Judgement and Critical thinking skills related to Critical Care Nursing applying the scientific principles, plan and implement comprehensive Nursing care.

OBJECTIVES

PRIMARY OBJECTIVE:

To Train & empower Qualified Nurses (GNM/ BSC) with knowledge and critical care competences required to provide comprehensive individualized patient centered care to critically ill patients.

SECONDARY OBJECTIVE:

To enhance communication skills and promote personality, leadership & language development.

COURSE DESCRIPTION

This is an unique blended learning program designed to equip Critical Care Nurses with expertise to perform advanced level competencies and in- depth knowledge in the field of Critical Care Nursing. This Online Blended Learning Module comprises of online interactive Expert Session, few contact hours and Self-Directed Learning activities to harness Knowledge and critical thinking skills for distance learning, and clinical exposure in varied clinical areas in designated hospitals with level 1, level 2 ICU facilities under direct supervision of a mentor (intensivist).

ADMISSION REQUIREMENT / ELIGIBILITY

Minimum qualification: B.Sc. (Nursing) or GNM, (preferably with ICU experience)

The course is open to all nationals subject to regulatory clearance

Entrance: No entrance examination

Intake capacity: **Maximum** 25 students/ batch.

ATTENDANCE

It is mandatory to have minimum 90% attendance for the direct contact learning as well as for online lectures.

CONTENTS OF COURSE:

Theory

- Complete coverage of nursing critical Care syllabus
- Exposure to spoken English
- Stress on Communication and Leadership development

Clinical Training

- Bedside training in Level II or Level III ICU (Under guidance of a Mentor)

Course Material

- One Text Book on Nursing Critical Care will be given to all Registered Nurses
- Additional literature will be given as and when required.

Exit Examination for Certification

- Theory Exit Test after 3 Months: 60% score mandatory to qualify for bedside Internship
- Clinical Exit Test: 75% marks required for successful certification

After successful certification

- Successful Nurses will be recommended for employment in best Hospitals, including international and national hospitals

Registration Fee

For Indians Including SAARC Nationals Rs 37000/- Including Theory course; practical bed side clinical training, examination fee and certificate fee.

Foreign Nationals 500 USD

ACADEMIC CALENDAR

Course duration: 6 months

Weeks available: 24 weeks

Theory Hours: 135 (75+60)

Online Theory: 75 hours

Practical: 680 hours

Preparatory days: 1 week

Examination: 1week

SUBJECT COVERED & HOURS

Subject Code	Subject	Theory Hours	Theory Hours			Practical Hours
			Theory Hours Online Session	Lab Hours	Self-Directed Learning	
CCN01	Comprehensive Critical Care Nursing	135	60	30	45	680

CLINICAL TRAINING:

SR. NO.	AREA/ DEPARTMENT	TOTAL HRS.
1.	General /Medical/ surgical / Neuro/ cardiac ICU	580
2.	Consolidated clinical experience	100
	Total Hours	680

MODULES

MODULE NO	MODULE	ONLINE HRS	LAB HOURS	SELF DIRECTED LEARNING HRS	TOTAL HRS
I	Introduction to Critical Care Nursing	5	2	8	15
II	Infection Prevention & Control	4	2	4	10
III	Comprehensive Critical Care Nursing	40	26	24	90
IV	Quality Assurance in Critical Care Nursing	5	-	5	10
V	Communication in Critical Care	6	-	4	10
		60	30	45	135HRS

MODULE I
INTRODUCTION TO CRITICAL CARE NURSING

TOTAL HOURS: (13+2=15)

LEARNING OUTCOMES	THEORY		CONTENT	SELF-DIRECTED LEARNING ACTIVITIES	EVALUATION
	Theory Hrs.	Lab Hrs.			
Explain the Concepts Principles of Critical Care Nursing Describe the Role of Nurse in Critical care Unit	13	2	History of Critical care Nursing Concepts of Critical Care Nursing Principles of Critical Care Nursing Scope of Critical care Unit Role of Nurse in Critical care Unit Organization and planning of ICU Code of Conduct Professionalism International Patient Safety Goals Assessment of Critically ill Patient FAST HUG BD Documentation in ICU Stress & Burnout in Nurses	Draw the different structure of ICU Prepare a Chart on History of Critical Care Nursing & Key Mile stones Prepare a critical Care flow sheet	Perform Assessment of Critically ill patient Nursing Care Plan-1

MODULE II
INFECTION PREVENTION & CONTROL

TOTAL (8+2=10hrs)

LEARNING OUTCOMES	THEORY		CONTENT	SELF-DIRECTED LEARNING ACTIVITIES	EVALUATION
	Theory Hrs.	Lab Hrs.			
Explain standard safety Measures Perform Procedure in strict Aseptic technique Identify the role of Critical care Nurse in infection prevention& control	8	2	Standard Safety Precautions Transmission based Precautions Isolation policies and procedures Antimicrobial Stewardship Hand Hygiene: Technique, Why, Who, How, When PPE Nosocomial infection in intensive care unit, methicillin resistant staphylococcus aureus (MRSA) Prevention of HAI: CAUTI, SSI, CRBSI, VAP Bundles Cleaning, Sterilization and Disinfection Biomedical Waste Management Role of Critical Care Nurse in Infection Prevention & control NSI, Post Exposure Prophylaxis	Activity worksheet Transmission Based Precaution Quiz Biomedical Waste Management What if Scenarios	Quiz SAQ, LAQ Educational Visit CSSD

MODULE III
COMPREHENSIVE CRITICAL CARE NURSING Theory (64+26= 90Hrs)

LEARNING OUTCOMES	THEORY		CONTENT	SELF-DIRECTED LEARNING ACTIVITIES	EVALUATION
	Theory	Lab Hours			
<p>Perform assessment of patient with various Medical Surgical Disorder</p> <p>Explain the causes , pathophysiology, Clinical manifestation and Management of common Medical Surgical disorder</p>				<p>Pre reading Material</p> <p>Diagnostic reflective sheet</p> <p>Concept Map</p> <p>Integrated Teaching</p> <p>Pathophysiology & pharmacology</p>	<p>Case based learning</p> <p>Nursing Care Plan</p> <p>Clinical Portfolio</p> <p>Focused health Assessment</p> <p>Reverse Case Study</p> <p>Bedside Clinic Proforma</p>

<p>Provide Comprehensive Nursing care based on Nursing Process</p>	<p>10</p>	<p>05</p>	<p><u>2. Approach to Cardiac Critical Care</u></p> <p>Review of Anatomy & Physiology Assessment and Diagnostic Test Common Cardiovascular Disorder Hypertensive crisis MI, Arrhythmias, Tamponade, Shock Valvular diseases, Treatment Modalities Thrombolytic therapy, pacemaker: temporary and permanent, percutaneous transluminal coronary angioplasty, Cardioversion, IntraAortic balloon pump monitoring, Defibrillation, Cardiac surgery Coronary Artery Bypass Grafts (CABG / MICAS), Valvular surgeries, Heart Transplantation, Radiofrequency Catheter Ablation. Drugs Acting on CVS Nursing care and Consideration</p> <p><u>3. Approach to Neuro Critical Care</u></p> <p>Review of Anatomy & Physiology Assessment and Diagnostic Test Common Neurological Disorder Head Injury, CVA, CNS Infections, Cerebral Oedema, Hydrocephalus, Epilepsy, GBS Problems associated with neurological disorders: thermo</p>	<p>Pre reading Material</p> <p>Video Based Learning</p> <p>Diagnostic reflective sheet</p> <p>Concept Map</p> <p>Integrated Teaching</p> <p>Pathophysiology & pharmacology</p> <p>Drug sheet</p>	<p>Case based learning</p> <p>Nursing Care Plan</p> <p>Clinical Portfolio</p> <p>Focused health Assessment</p> <p>Reverse Case Study</p> <p>Bedside Clinic Proforma</p>
	<p>10</p>	<p>03</p>			

	07	03	<p>regulation, Unconsciousness, Herniation syndrome</p> <p>Treatment Modalities</p> <p>Management modalities: management of ICH, Craniotomy</p> <p>Drugs Acting on CNS</p> <p>Nursing care and Consideration</p> <p><u>4 Approach to Nephrology & Urology Critical Care</u></p> <p>Review of Anatomy & Physiology</p> <p>Assessment and Diagnostic Test</p> <p>Common Disorders</p> <p>AKI, CKD, Nephrotic Syndrome, Urosepsis</p> <p>Treatment Modalities</p> <p>Haemodialysis, Peritoneal Dialysis, CRRT, Renal Transplant.</p> <p>Drugs Acting on Renal System</p> <p>Nursing care and Consideration</p>	<p>Pre reading Material</p> <p>Video Based Learning</p> <p>Diagnostic reflective sheet</p> <p>Concept Map</p> <p>Integrated Teaching</p> <p>Pathophysiology & pharmacology</p> <p>Drug sheet</p>	<p>Case based learning</p> <p>Nursing Care Plan</p> <p>Clinical Portfolio</p> <p>Focused health Assessment</p> <p>Reverse Case Study</p> <p>Bedside Clinic Proforma</p>
	10	05	<p><u>5 Approach to GI dysfunction & Critical Care</u></p> <p>Review of Anatomy & Physiology</p> <p>Assessment and Diagnostic Test</p> <p>Common Disorders</p> <p>Acute Liver Failure, Pancreatitis, Abdominal compartmental syndrome, Acute abdomen, Intestinal obstruction, APD, GI bleeding, Perforative Peritonitis</p> <p>Treatment Modalities</p>		

	05		<p>Drugs Acting on GI System Nursing care and Consideration</p> <p><u>6 Approach to Endocrine Critical care</u></p> <p>Review of Anatomy & Physiology Assessment and Diagnostic Test\ Common Disorders Hypoglycaemia, Diabetic Ketoacidosis. Thyroid crisis, Myxedema, Adrenal crisis, Syndrome of Inappropriate secretion Antidiuretic Hormone (SIADH) Treatment Modalities Drugs Acting on Endocrine System Nursing care and Consideration</p> <p><u>7 Approach to Burns Critical care</u></p> <p>Review of Anatomy & Physiology Assessment and Diagnostic Test Types, classification, pathophysiology, clinical features of burns. Treatment Modalities</p> <p>Fluid and electrolyte therapy calculation of fluids and its administration Pain management, Wound care, Reconstructive surgery</p> <p><u>8. Care in Selected Medical</u></p>	<p>Pre reading Material</p> <p>Video Based Learning</p> <p>Diagnostic reflective sheet</p> <p>Concept Map</p> <p>Integrated Teaching</p> <p>Pathophysiology & pharmacology</p> <p>Drug sheet</p>	
	05				

			<p><u>Condition</u></p> <p>Poisonings DIC Tetanus Covid HIV Septic Shock MODs/ MOF Haemorrhagic situations Tropical Fever Tuberculosis Immune compromised patient</p> <p><u>9. Care in selected Surgical condition</u></p> <p>Transplantation Trauma Bleeding Pancreatic disease</p> <p><u>10. Fluid & electrolyte imbalances</u></p> <p>Special Consideration Pregnancy Paediatric patient</p>	<p>Pre reading Material</p> <p>Video Based Learning</p> <p>Diagnostic reflective sheet</p> <p>Concept Map</p> <p>Integrated Teaching</p> <p>Pathophysiology & pharmacology</p> <p>Drug sheet</p>	
	05				
		05			
	04				

MODULE IV

QUALITY ASSURANCE IN CRITICAL CARE NURSING

TOTAL (10hrs)

LEARNING OUTCOMES	THEORY	CONTENT	SELF-DIRECTED LEARNING ACTIVITIES	EVALUATION
<p>Identify Various Quality indicators in ICU</p> <p>Explain the process of Accreditation</p> <p>Participate in Nursing Excellence program</p> <p>Describe the Legal & Ethical issues in Critical care</p> <p>Conduct Nursing Audit along with Other Health Care Team Members</p>	<p>10hrs</p>	<p>Quality assurance in ICU</p> <p>Quality Indicators</p> <p>Accreditation NABH, Nursing Excellence, JCI</p> <p>Nursing Audit</p> <p>Quality Improvement Projects</p> <p>Standard operating Procedures and Protocol</p> <p>Legal and Ethical issues in Critical care</p> <p>End of Life Care Issues</p>	<p>Prereading Material</p> <p>Case based Learning</p> <p>Ethical and Legal Issues</p> <p>Experience Sharing</p>	

MODULE V

COMMUNICATION IN CRITICAL CARE UNIT

TOTAL (10hrs)

LEARNING OUTCOMES	THEORY	CONTENT	SELF-DIRECTED LEARNING ACTIVITIES	EVALUATION
<p>Enumerate the Principles of Effective Communication</p> <p>Communicate effectively as member of Health care Team</p> <p>Perform Assessment using ISBAR communication tool</p> <p>Identify Role of Nurse in Breaking Bad news and Therapeutic Communication</p>	<p>10Hrs</p>	<p>Communication Process</p> <p>Principles of Communication</p> <p>Grounds Rule for Effective Communication with patient, relatives, colleagues, administrators and physicians</p> <p>Communication (ISBAR/ Handover/breaking a bad news)</p> <p>Therapeutic Communication & Role of Nurse</p> <p>Team Building in ICU</p>	<p>Communication Origami games</p> <p>ISBAR communication Techniques</p>	<p>Perform Assessment using ISBAR Communication Tool.</p>

MUST KNOW COMPETENCIES IN CRITICAL CARE

SRNO.	LIST OF COMPETENCY
	CENTRAL NERVOUS SYSTEM
	1. Neurological Assessment
	2. Monitoring Intracranial pressure
	3. Care of Extra ventricular Drain
	CARDIOVASCULAR SYSTEM
	1. CVS Assessment
	2. Central Venous Pressure Insertion & Monitoring
	3. Arterial catheterization & Arterial Blood pressure Monitoring
	4. Arterial Blood gas Analysis
	5. Blood transfusion
	6. IV Cannula insertion & IV fluid / Bolus administration
	7. Administration of medication via Parenteral route (IM, SC, ID, Intra Cardiac) use of infusion/ syringe pump, calculation of dosages
	8. Monitoring of Pulmonary Artery pressures (PAWP/PACWP)
	9. IABP Monitoring
	10. CPR/Basic Life Support (BLS)
	11. ECG Monitoring
	12. Advance cardiac Life Support (ACLS)
	13. Assisting with temporary pacing and defibrillation
	14. Application of Sequential compression device/ flowtron/ DVT Stockings
	15. Assisting with ECMO
	RESPIRATORY SYSTEM
	Respiratory Assessment
	Airway management
	a. Application of oropharyngeal airway
	b. Oxygen therapy via (Nasal cannula, Venturi mask, NRBM, AIRVO), High Flow Nasal Cannula
	c. Application of BIPAP/ CPAP (Continuous Positive Airway pressure)
	d. Care of tracheostomy
	e. Assisting with entracheal intubation and extubation
	f. Suctioning - Oral ,Naso, tracheal
	g. Care of patient on invasive and Non Invasive Ventilation. Troubleshooting of alarms.
	h. Nebulization via mask , T-piece
	g. Bronchial Hygiene Chest physiotherapy/ prone Ventilation
	GASTROINTESTINAL SYSTEM
	a. GI assessment
	b. Nasogastric Tube insertion and Feeding
	c. Gastric Lavage
	d. Gastrostomy And Jejunostomy Feeding

E	ENDOCRINE SYSTEM
	Blood sugar Monitoring
	GENITOURINARY
	Urinary Catheterization care and insertion
	Monitoring Urine output and specimen collection.
	Insertion and care of AV fistula
	Care during hemodialysis and peritoneal dialysis
	CRRT
	INFECTION PREVENTION & CONTROL
	Scrubbing , gowning, gloving
	Standard precaution & Transmission based Precaution

	FIELD VISITS (WITHIN THE HOSPITAL):
1.	CSSD
2.	Dialysis Unit
3.	Blood Bank
4.	Palliative Centre
5.	Emergency (Triage Corner)
6.	Diagnostic Centre
7.	Cardiac Catherization LAB

SCHEME OF EXAMINATION

INTERNAL ASSESSMENT

THEORY	MARKS
Module Assessment	100
Total Marks	100*
*Marks will be converted to 25	

PRACTICAL	MARKS
Case Base learning- 1	50
Clinical portfolio-1	100
Nursing Care Plan -2	50
Clinical Presentation-1	50
Total Marks	250*
*Marks will be converted to 100	

SCHEME OF EXAMINATION

Subject	Theory			Practical		
	Hours	Internal	External	Hours	Internal	External
Comprehensive Critical care Nursing	3	25	75	-	100	100

EVALUATION FORMATS

EVALUATION CRITERIA FOR CASE BASE LEARNING

Sr. No.	Criteria	Max. Marks
1	Patient History and Physical Examination	5
2	Presenting Symptoms & Pathophysiology	5
3	Medical Management	2
4	Wound Care Interventions	10
5	Related Evidence Based Practices	5
6	Nursing Care Plan	15
7	Nurses Notes	5
8	Evaluation/ Conclusion	2
9	Bibliography	1
	TOTAL	50

EVALUATION CRITERIA FOR NURSING CARE PLAN

NAME OF THE STUDENT : _____

AREA OF CLINICAL EXPERIENCE : _____

(Maximum Marks 50)

Sr. No	Content	Marks allotted	Marks Obtained
1	Elicits relevant history	05	
2	Makes quick and valid assessment	08	
3	Identifies problems / needs	05	
4	Formulates nursing diagnosis	08	
5	Prioritizes the nursing diagnosis	04	
6	Plans care for any two priority needs	03	
7	List the outcome criteria	02	
8	Implements care for any two priority needs	10	
9	Evaluated the care (nurses notes based on actual care given every day)	05	
	Total Marks	50	

Remarks for improvement

EVALUATION CRITERIA FOR CASE PRESENTATION

Name of the student: _____

Area of clinical experience: _____

(Maximum Marks 50)

Sr. No	Content	Marks allotted	Marks Obtained
1	Assessment a) History taking b) Physical assessment	10	
2	Disease condition in detail a) Etiology, b) Pathophysiology c) Clinical features d) investigations e) Medical management	10	
3	Objectives of care	04	
4	Application of Nursing theories	06	
5	Nursing diagnosis	06	
6	Nursing management	10	
7	Conclusion	04	
	Total marks	50	

Remarks for improvement

Signature of the supervisor
Date

Signature of the student
Date

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2. Black J.M. Hawk, J.H. Medical Surgical Nursing – Clinical Management for Positive Outcomes. 7th ed. Elsevier; 2005
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5. Thomas Cathy H. Clinical Guide-Wound Care.5th Edition. USA: Lippincott Williams & Wilkins; 2005.
6. Theresa Porrett, Anthony McGrath. Stoma Care-Essential Clinical Skills for Nurses. UK: Blackwell Publishing Ltd;2005