

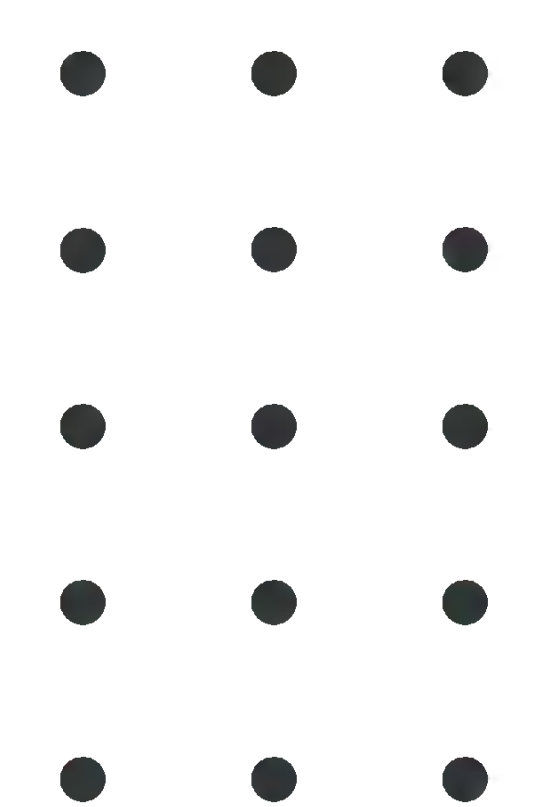
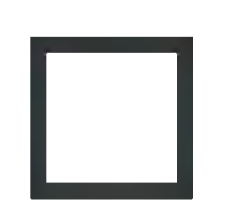


**NOIDA
INTERNATIONAL
UNIVERSITY**

**School of
Allied Health
Sciences**

Postgraduate Diploma in

EMERGENCY MEDICINE



www.niu.edu.in

Noida International Institute of Medical Sciences (NIIMS)

Noida International Institute of Medical Sciences (NIIMS) was established with a vision to provide world-class healthcare services, and endeavors to provide medical education of the highest quality to MBBS students. NIIMS's greater focus lies on the pragmatic approach of learning that lets a student explore the deeper nuances of medical education. To achieve this feat, NIIMS concurrently runs with NIIMS hospital which is a 350+ bedded super specialty hospital hence encouraging practical experience for the students. Located strategically in Greater Noida, just 15 minutes from the upcoming Jewar Airport, NIIMS encompasses state of art medical facilities in line with the revised curriculum of the National Medical Commission (NMC). Our key values which govern and drive our institute towards high scale being the best in providing healthcare services to all are patient centricity, teamwork, innovation and morale.



NIIMS hospital provided its services during Covid 1st and 2nd wave and treated more thousands of national and international patients. It's the endeavor of our institution to stand with human kind during times of crisis.



Facilities at NIIMS



7 Modular OT's



CT Scan



5 ICU's



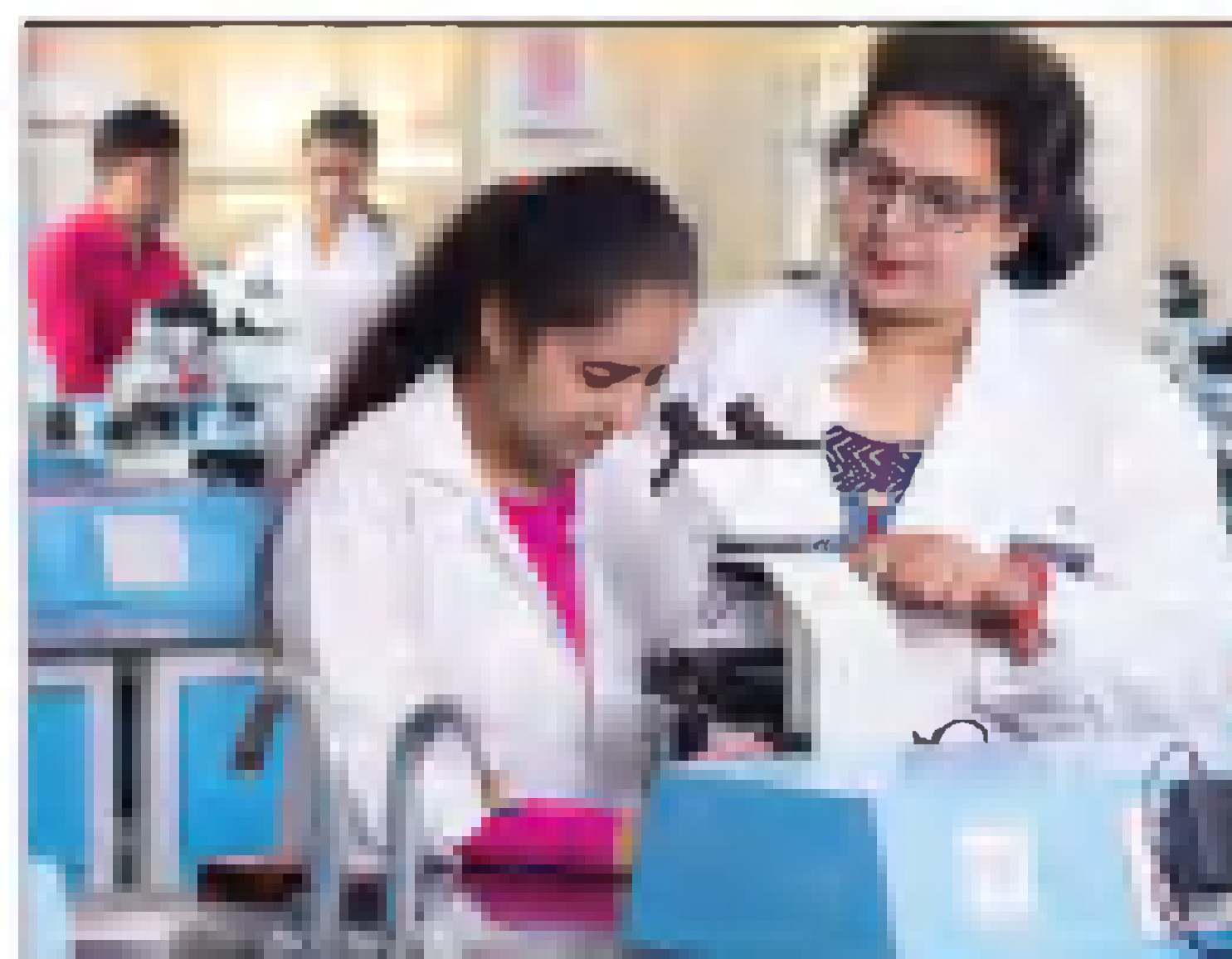
24X7 Emergency

Department's

- ▶ Anatomy
- ▶ Physiology
- ▶ Biochemistry
- ▶ Community Medicine
- ▶ Pharmacology
- ▶ Microbiology
- ▶ Forensic Medicine
- ▶ Pathology
- ▶ General Medicine
- ▶ General Surgery
- ▶ Anesthesiology
- ▶ Obstetrics & Gynaecology
- ▶ Orthopedics
- ▶ Ophthalmology
- ▶ ENT
- ▶ Dermatology
- ▶ Respiratory Medicine
- ▶ Psychiatry
- ▶ Pediatrics
- ▶ Radiology
- ▶ Emergency Medicine
- ▶ Dentistry



Anatomy



Physiology



Biochemistry



Community Medicine



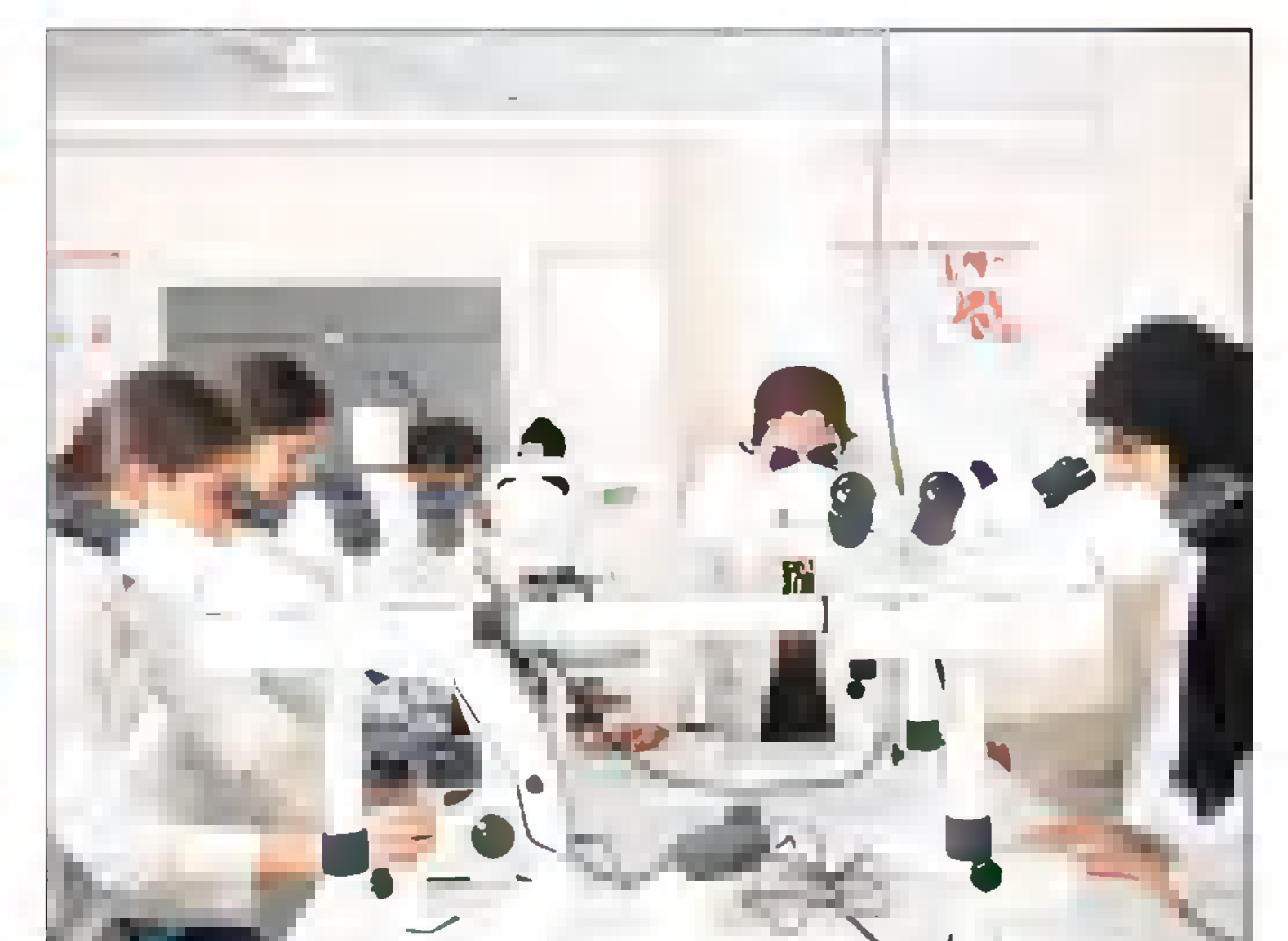
Pharmacology



Microbiology



Forensic Lab



Pathology

School of Allied Health Sciences

The School of Allied Health Sciences a premiere institute associated with in campus 350+ bedded NIIMS multispecialty hospital .It was established with a vision to produce a diverse, inter- professional skilled workforce of allied health care practitioners, educators, researchers and health care leaders. It aims to conduct research at generating new knowledge that advances the practices and policies of health care.

The in-campus hospital provides an ideal place for hands on training and practice of patient -centred care with a focus on patient outcomes, families, communities, integrative health care, health promotion/disease prevention and the improvement of overall quality of life.

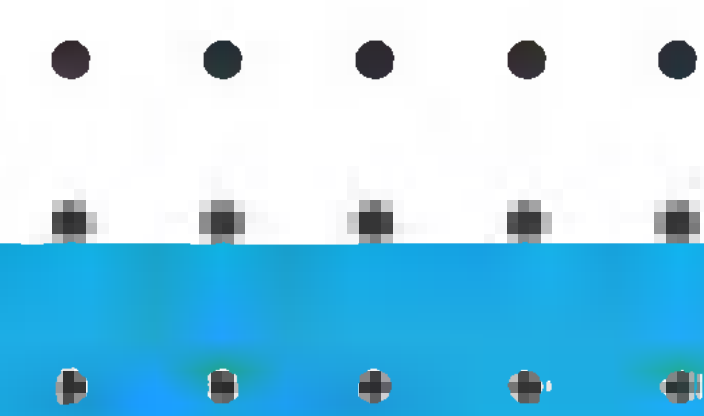
Throughout the teaching, research and clinical care, SOAHS is committed to engage with diverse students, faculty and patient populations to create an inclusive and enriching environment for life-long learning.

Recognitions & Approvals

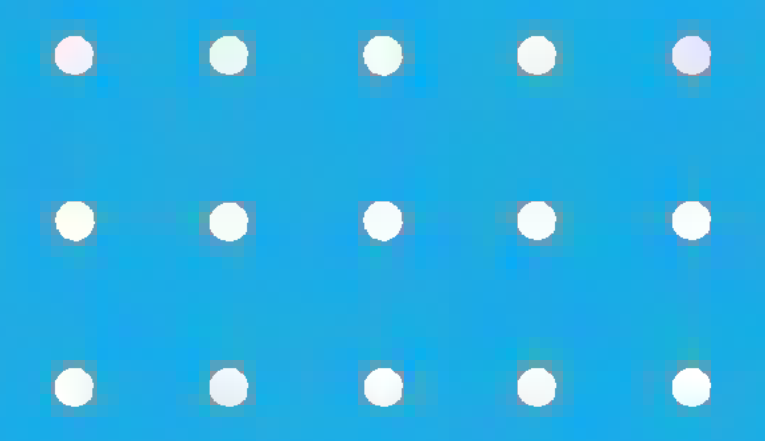


School Highlights

- 350+ bedded In-campus associated super-specialty hospital, NIIMS with all modern facilities and experienced faculty members for supervised clinical training and teaching.
- Innovative teaching methodology: Case-focused teaching uses specific cases to gain their students' interest before bringing in the knowledge and skills they need to solve it.
- Integrated instruction with focus on how theory and clinical practices can be mixed together to create the perfect balanced strategies for students to take into real healthcare settings.
- Industry alliance with Jaypee, Fortis and Escorts hospitals.
- State-of-the-art health sciences labs.
- Academic collaboration with international universities.
- Unmatched Global Opportunities.
 - Student exchange opportunities at the World's Top Universities.
 - Assistance for International Internships/Projects.
- Industry experts on advisory board.



Postgraduate Diploma in Emergency Medicine



- Our flexible and practical based learning diploma in acute medicine has been designed to improve clinical knowledge of healthcare professionals who assist in assessing, diagnosing and treating patients with urgent medical needs. All knowledge gained from this course is compulsory for the rapidly evolving specialty that functions as the bedrock for hospital-based and emergency medicine.
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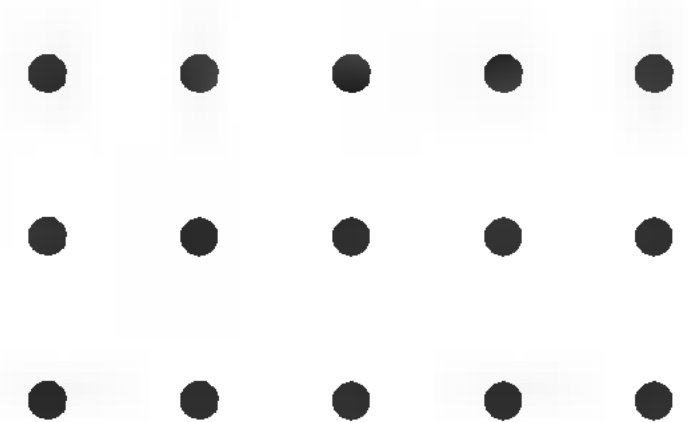
Many registered healthcare professionals are exposed to acute medicine within their daily work routines, therefore a need for tailored postgraduate education has increased over the years. The PG diploma in emergency medicine program caters for this need. This flexible course enables professionals to develop a systematic understanding of evidence-based, protocol-delivered practice that is pivotal in optimising acute care with guidance and support of top industry educators.

Completing the affordable Postgraduate Diploma in emergency Medicine will enhance your clinical outcomes through working with students from all over India.

Acute medical care is a rapidly evolving specialty; with many healthcare professionals undertaking acute medicine as part of their daily routines, our value for money diploma course provides for the demand by offering tailored, scenario based postgraduate training.

The primary aim of this diploma course is to equip students with a systematic understanding of acute medicine, skills in critical appraisal and application of knowledge for direct patient benefit. In addition to this, students will benefit from being taught by carefully selected top industry educators life-long learning and advanced problem-solving skills that they can apply to clinical practice in acute and emergency medicine.

Due to the course being fully practical learning format, anyone joining the course can be sure that their job schedule will not be compromised.



Who is this course for?

Applicants will typically be registered healthcare professionals who have a day to day exposure to acutely ill patients who are looking for a postgraduate diploma in emergency medicine or similar discipline.

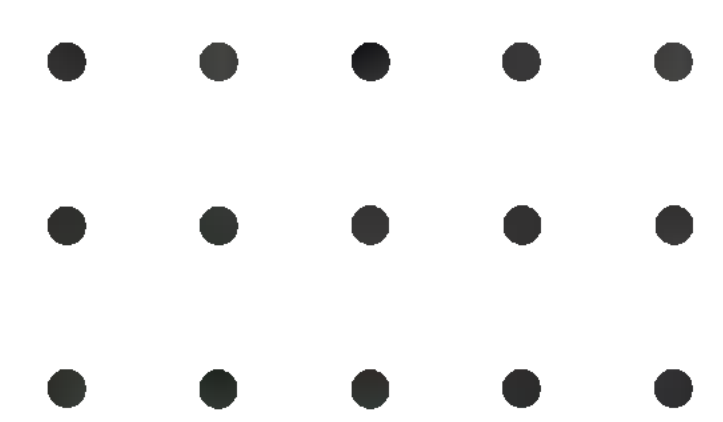


Eligibility Criteria

Candidates should have completed MBBS, BDS, BHMS, BAMS, BNYS, BUMS, BPT, BSc. Nursing, BSc. Emergency Care & Trauma Care & Technology or its Equivalent with Valid NMC registration or state registration.



How Will I Learn?



You will be supported throughout your studies by a committed team of internationally recognised educational experts.

Our courses are conducted entirely online through self-directed distance learning. You'll receive guidance throughout your course with tutor-stimulated academic discussions, which are based on clinically-rich case scenarios.

These usually occur within groups of 20-25 students, allowing you to clearly communicate with both your tutor and fellow students.



Program leader: Prof. (Dr.) Arti Srivastava

Head, Dept. of Emergency Medicine

21 years of clinical and teaching experience, has graduated from MGM Medical College, Ranchi University with honours & Gold medals in Anatomy, Physiology, Biochemistry, Pharmacology, FMT & Surgery. She was bestowed the prestigious BC Roy Award by the University for securing highest aggregate in all three professional examinations (MBBS). She post-graduated from B.P. Koirala Institute of Health Sciences, Nepal. She has effective communication skills & leadership qualities. She is an able administrator & enthusiastic researcher with a multi-directional approach to problem-solving. She has many publications in international & National journals of repute. She has facilitated more than a score of post-graduate students with their dissertations & project work enabling them to realize their learning objectives and studying them to pursue their career goals.

Common for All Modules

- History Taking of Patients Conscious or Unconscious.
- Importance of written informed consent for any procedure: Be it IV cannulation or investigation like HIV, HbsAg, HCV
- Importance of high-risk consent – indication & implication.
- Communication skills when interacting with patients & attendants.
- Police information protocols for medicolegal cases e.g., suicide, poisoning etc.

Respiratory competency skills

- Know-how of the multipara monitors and their application to every patient.
- Bag mask ventilation in patients with respiratory arrest.
- LAMA Insertion – skill lab
- Intubation – skill lab
- Handling equipment's of respiratory support e.g., Hudson mask, Bi-Pap mask, Henc mask
- Care of ventilators and basics of ventilators.
- Handling portables & know how basics of x-ray chest

Cardio-vascular competency skills

- Securing I.V line – skill labs
- Handling ECG Machine
- Understanding normal ECG Patterns & recognizing abnormal ECG Rhythms.
- Latest guidelines of BLS & ACLS protocols.
- Mastering skills of high-Quality

Endocrine Modules

- Use of Glucometer.
- Hypoglycemia T/E
- Diabetic keto acidosis
- Wound care, debridement of diabetics ulcers.

G.I competency skills

- Ryle's Tubes Insertion
- Recognition Of G.I Emergencies like: Peritonitis, Appendicitis, Intestinal obstructive
- Enema

Shock (septicemic)

- Recognition of clinicals features of Shock
- Foleys cauterization & monitoring urine output
- Assisting with central line procedures
- Handling the infusion

Neurological competency skills

- Care of unconscious intubated patients
- Training in mass casualty situations
- Care of head injury & massive hemorrhage patients.

Curriculum

Our post graduate in emergency Medicine allows you to study for just one calendar year. The course is worth 120 credits and comprises six modules of 20 credits.

Module 1

Respiratory and Cardiovascular Emergencies



Module Aims

Use relevant understanding, methodologies and approaches to address complex cases and apply guideline and evidence-based care in the management of acutely ill patients presenting with cardio-respiratory conditions.

Module Content

Guideline directed approach to the management of patients with acute cardio-respiratory diseases including:

- Severe Hypertension
- Acute Heart Failure
- Acute Coronary Syndrome
- Arrhythmias
- Thromboembolic Disease
- Acute Asthma
- Acute Exacerbations of Chronic Respiratory Disease
- Pneumonia
- Pneumothorax
- Pleural Effusions
- Respiratory Failure
- Cardiac Arrest

Learning Outcomes

- Use relevant understanding, methodologies and approaches for the diagnosis and management of patients presenting with acute respiratory and cardiovascular conditions.
- Demonstrate an ability to apply evidence-based learning in acute cardiovascular and respiratory scenarios.
- Appraise, reflect upon and create ways forward in the management of patients presenting with acute cardio-respiratory conditions within the multidisciplinary team.

Module 2

Diabetes and Endocrine Emergencies



Module Aims

Enhance the management of complex cases presenting with a variety of acute diabetic and endocrine conditions, and apply guideline and evidence-based care in the management of acutely ill patients.

Module Content

The management of patients presenting with acute diabetic and endocrine diseases, including:

- Diabetic Ketoacidosis
- Hypoglycaemia
- Thyrotoxicosis
- Adrenal Arisis
- Hyperosmolar Non-Ketosis
- Acute Hypercalcaemia
- Hypocalcaemia

Learning Outcomes

- Use relevant understanding, methodologies and approaches for the diagnosis, treatment and management of patients presenting with acute endocrine conditions.
- Critically analyse, interpret and evaluate evidence and guidance-based strategies in the management of acutely unwell patients with diabetic-related conditions.

Module 3

Gastroenterological Emergencies



Module Aims

Reformulate and use relevant understanding, methodologies and approaches to assess and manage complex cases, and apply guideline and evidence-based care in the management of acutely ill patients presenting with gastrointestinal conditions.

Module Content

The management of patients presenting with acute gastrointestinal (GI) illnesses, including:

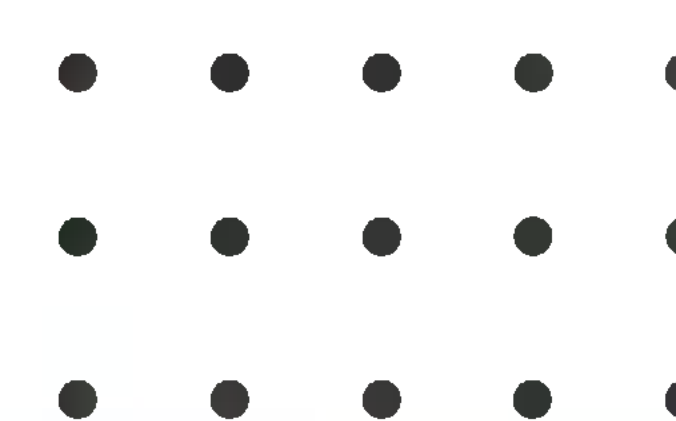
- Upper GI Haemorrhage
- Acute Abdominal Pain
- Intractable Vomiting
- Inflammatory Bowel Disease
- GI Malignancy
- Acute Liver Disease
- Hepatic Encephalopathy
- Cirrhosis
- GI Infections (such as Dysentery & Gastroenteritis)

Learning Outcomes

- Use relevant understanding, methodologies and approaches for the diagnostic synthesis and management strategy employed in the treatment of patients presenting with acute GI conditions.
- Demonstrate an ability to apply evidence-based learning and guideline-based treatment in acute GI disorders.

Module 4

Acute Presentations with Infection and sepsis



Module Aims

Apply guideline and evidence-based care in the management of acutely ill patients, facilitating the critical evaluation of actions, methods and results used in the management of acute infections.

Module Content

The management of patients presenting with acute bacterial, viral and fungal infection relating to all organ systems; the management, investigation and diagnosis of sepsis and bacteraemia; and the management of the immune-compromised individual in relation to infection.

Learning Outcomes

- Use relevant understanding, methodologies and approaches for the diagnosis and management of patients presenting with acute infections.
- Critically analyse, interpret and evaluate the presentation, cause and management of the immune-compromised patients in the acute medical setting.
- Demonstrate an ability to apply evidence-based practice and guideline-based treatment with acute infections and sepsis.

Module 5

Acute Neurological disorders and stroke



Module Aims

Develop a critical understanding of the assessment and management of acute neurological disorders and strokes, applying guideline and evidence-based care in the management of acute neurological disorders and strokes.

Module Content

The diagnosis and management of patients presenting with acute neurological disorders, including:

- ▶ Acute Stroke
- ▶ Epilepsy
- ▶ Cerebral Infections
- ▶ Acute Cerebral Malignancy
- ▶ Acute Neuronopathies
- ▶ Raised Intracranial Pressure
- ▶ Cerebral Haemorrhage and Haematomas
- ▶ Venous Sinus Thrombosis
- ▶ Dystonias
- ▶ Ataxias
- ▶ Neuropathies

Learning Outcomes

- ▶ Use relevant understanding, methodologies and approaches for the diagnosis and management strategy employed in the investigation and treatment of patients presenting with acute neurological disorders.
- ▶ Demonstrate a critical understanding of evidence-based practice and guideline-based treatment in neurological disorders, including stroke medicine.



Module 6

Acute Renal, metabolic and toxicological Emergencies



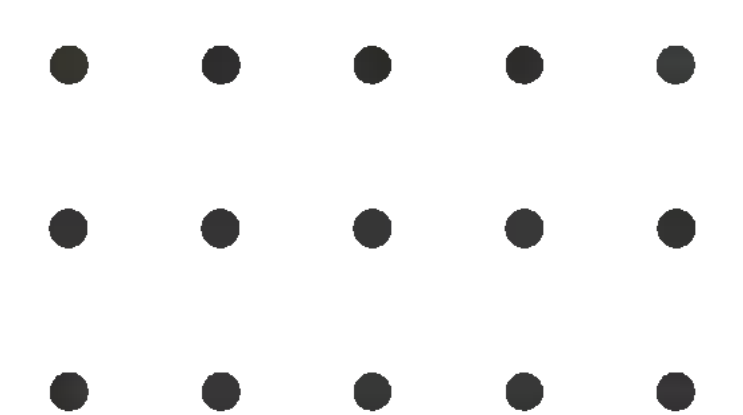
Module Aims

Develop a critical understanding of the assessment of acute kidney, metabolic and toxicological disorders and apply guideline and evidence-based care in the management of these disorders.

Module Content

The management of toxicological emergencies, such as overdoses (both accidental and non-accidental), acute drug reactions and anaphylaxis; the presentation of patients with metabolic and renal issues, including acute kidney injury, acid-base disorders, hyperkalemia and acute hyponatraemia; and the implementation of renal replacement therapy including dialysis.

Learning Outcomes



- Use relevant understanding, methodologies and approaches for the diagnostic synthesis and management strategy employed in the investigation and treatment of patients presenting with acute kidney disorders.
- Demonstrate a critical understanding of the assessment and management of overdose and acute metabolic disturbance.
- Apply evidence-based practice and guideline-based treatment in renal, metabolic and toxicological disorders.



ASSESSMENT METHODS

The post graduate diploma in emergency medicine program places assessments at the heart of the learning process through the employment of clinical scenarios to enhance problem-solving, critical analysis and evidence-based care.

The six modules on the course have the same assessment format and for all modules, you will be assigned a dedicated faculty.

These innovative teaching methods enable you to envisage the translation of your studies into your everyday work and practice.

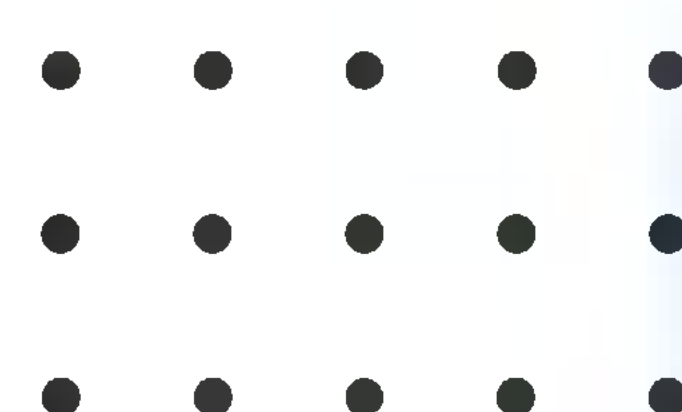
The assessment will be conducted using OSCEs (Objective Structured Clinical Examinations), MCQs, Case based scenarios (case study).

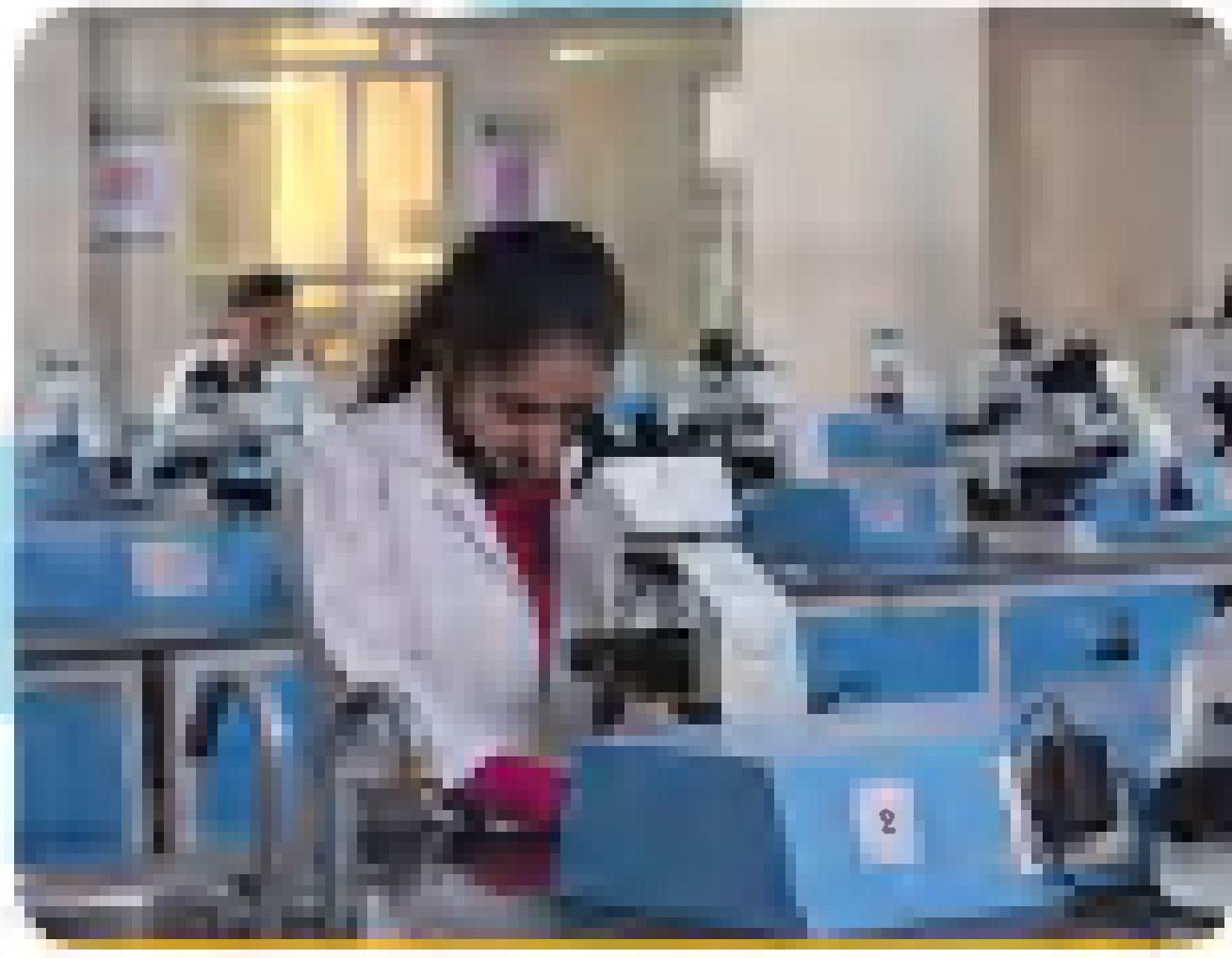
The structured clinical posting in 400 bedded NIIMS hospital will give students hands on experience of Emergency medicine and various aspects of clinical decision making in real life situation.

Additional requirements: BLS & ALS certifications are mandatory for the award of the degree

Course Duration: 1 Year

Tuition Fee: Rs. 90,000 per Year





Histology



Obstetrics & Gynecology



Ophthalmology



Neonatal Intensive Care Unit



Dentistry



E-Library



Creating Benchmarks



Library



GYM Facilities



Boys Hostel



Girls Hostel



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Virtual Tour



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For International Students : internationaladmissions@niu.edu.in

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