Patan Academy of Health Sciences

FELLOWSHIP IN EMERGENCY MEDICINE
(FEM)

PORSPECTUS

ENTRANCE EXAM 2015
Contact us

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Note:
Please read the prospectus and instructions carefully before filling the forms. The fees will not be refunded for rejected forms.
BACKGROUND

The field of emergency medicine is growing in urban Nepal. Large urban hospitals have triage systems and dedicated emergency physicians and nurses. Pre-hospital care has begun in the valley, and attention is paid to disaster preparedness.

While the acute care needs of rural Nepal are best met by MDGPs, there is a desire to have a group of urban physicians with the competence to evolve the discipline of emergency medicine, and emergency medicine systems in Nepal.

Education

The purpose of the EM Fellowship is to take experienced GPs who currently practice emergency medicine and supplement their EM knowledge, skills and attitudes so that they can become teaching faculty for future MD-EM or EM Fellowship programs.

They will be compassionate, competent and patient-centred emergency doctors, able to provide all age groups with comprehensive and effective management of acute health problems. To improve the health of Nepali people, especially the poor and underserved in rural areas, graduates of the EM fellowship will be leaders in teaching acute care to PAHS students and MDGP residents.

System Development

EM Fellows are expected to be leaders in pre-hospital care, disaster preparedness, triage and emergency medicine education at all levels, in urban centres.

EM FELLOWSHIP GOAL

Desired Outcome

To produce competent Emergency Medicine specialists who will become clinical and educational leaders able to manage the emergency services systems in Nepal. The fellowship is a faculty development course that will take advantage of the experience of GPs who provide emergency care. The fellowship will provide additional education to ensure that they achieve the competence to begin practice as teaching faculty in emergency medicine, and as emergency system managers.

*Emergency medicine is a field of practice based on the knowledge and skills required for the prevention, diagnosis and management of acute and urgent aspects of illness and injury affecting patients of all age groups with a full spectrum of undifferentiated physical and behavioural disorders. It further encompasses an understanding of the development of pre-*
hospital and in-hospital emergency medical systems and the skills necessary for this development.

International Federation for Emergency Medicine 1991

The expectation of this fellowship is that it is self-limited. Once the initial Fellows in EM are educated, a decision must be made regarding the most efficient way of producing the doctors Nepal needs, perhaps with a MDEM for urban hospitals, or an MDGP with a focus on EM within the MD program, to suit the needs of a district hospital.

Competence in Emergency Medicine

Competency in EM looks the same as competence in any other medical specialty at PAHS. It includes the habitual use of the following in daily practice to benefit the community being served (Epstein & Hundert):

- Patient-centered Care
- Clinical Reasoning
- Procedural Expertise
- Communication
- Professionalism
- Scholarship
- Leadership

Several competency frameworks have been well described in the literature, and the PAHS framework draws from these, especially ACGME, CanMeds, and the CFPC Skill Dimensions. (Appendix 1) The complete PAHS competencies are in Appendix 2.

The role of the Emergency Physician in Nepal

The fellowship program in Emergency Medicine will produce a multi-skilled, competent and caring specialist who is motivated to improve patient outcomes and emergency care systems. What will their job look like? Currently the need for emergency physicians in Nepal is limited to urban areas, where development of emergency services systems are required. In district areas, the ideal physician is the MDGP capable of dealing with medical, surgical, and obstetrical emergencies. The competent EP career leads to the fulfilment of the following job description:
CLINICAL ROLE

- To provide competent care, and supervision of care, to all patients presenting to the emergency department regardless of time of day, or day of week.
- To triage and prioritise multiple cases by degree of urgency and likely response to resuscitation.
- To manage all life-threatening conditions competently and efficiently.
- To recognize, evaluate, and initiate management of non-acute illness and injury.
- To communicate effectively with patient and patient party, to allay anxiety, to inform as fully as possible and to mediate where necessary when other health personnel are involved in patient care.
- To make timely and appropriate referral of cases for consultation or admission by other specialists, maintaining a coordinating role, maintaining personal relationship with patient, patient party and other doctors wherever possible.
- To hand over care of the patient to colleagues efficiently and with appropriate documentation.
- To maintain records and documents for clinical communication and medico-legal purposes.
- To arrange appropriate dispositions of patients: transfer, discharge or admission, taking into account uncompleted tasks, follow-up by other doctors, bed availability, patient concerns, travel, finances, availability of after-care, patient flow considerations of the department and hospital.
- To effectively communicate discharge and follow-up information to patient and the next doctor to be involved.
- To have a broad view of health needs, promoting the preventive approach and the continuity of medical care of the patient by local generalist and specialist doctors.

LEADERSHIP ROLE

- To lead the emergency multi-professional team facilitating its development to create an alert, enthusiastic, competent, disciplined, caring work environment.
- To be known as one who arranges appropriate care for every type of individual with emergency problems regardless of social, educational or financial barrier.
- To administer recruitment, training, rostering and responsiveness of the emergency team to the personal needs of staff.
- To liaise with all levels of hospital leaders and departments to ensure optimal cooperation with, and understanding of, the emergency department.
- To manage communication facilities, ancillary staff, security staff and relationships with community personnel such as ambulance and police.
- To develop sustainable emergency department systems: triage & patient tracking (emergency department information systems), patient care protocols, equipment & supplies, investigations and treatment modalities.
- To develop sustainable emergency services systems: disaster preparedness & emergency response, pre-hospital care.
- To be active in the development of emergency policy and influential in the development of hospital, regional and national policy.
- To collect, analyse and disseminate the findings of routine data and audit activities in relation to morbidity, mortality, patient and staff load, time and season.
- To be active in monitoring financial aspects of the department’s affairs so as to protect viability, respond to opportunities and influence the modification of policy when appropriate.

**Educational role**

- To effectively develop confidence and competence in students and residents who will serve in rural Nepal.
- To create and maintain ongoing emergency medicine education systems for all levels of emergency staff: EMTs, paramedics, triage officers, nurses and doctors.
- To prepare / select clinical protocols and guidelines, making these available along with other information resources for emergency staff
- To be committed to the development of emergency medicine trainees and their programme
- To support the acute care educational activities beyond the emergency department (eg. life support courses, MCI, PTC, first aid)
ADMISSIONS

Requirements

1. Post graduate degree recognized by Nepal Medical Council (NMC).
2. Must have NMC registration
3. Emergency Department work experience of one year.

Available seats

There will be a total of 4 seats, 3 open and 1 under Faculty Development Program (FDP).

Note

Candidates selected under the FDP sponsored seats have to sign a service bond at the time of admission. The service bond will be for a minimum of 3 years after super specialization. Other clauses of the bond/contract will be as per the rules of PAHS.

How to apply

Candidates must submit his/her application to PAHS office during office hour (Sunday to Friday except Wednesday from 8 am to 4 pm) along with following documents.

- Curriculum Vita
- Emergency department work experience letter
- Post graduate degree certificate
- MBBS certificate
- Citizenship
- Bank Voucher

Examination fees should be deposited in following bank account

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Entrance Examination Fee | NRs. 2500/-
Submission of application form (Not later than) | From 22 March, Sunday 2015 (04:00pm)
Issue of admit card | 23 March, Monday 2015

*Date for the entrance examination and admission to be announced.*
Selection Process

Entrance and Interview

The Entrance Examination consists of 100 single responses multiple choice questions carrying 100 marks. The minimum pass marks will be 50%. There will be no negative marking. The duration of the examination is 90 minutes.

The successful candidates will be called for interview.

Fee Structures

Total tuition fees: NRs.3,00,000/-

- Patan Academy of Health Sciences may change or review the fees & expenses.
- The fee and other charges, once paid, shall not be refunded.
- Fees should be paid at the time of admission.
- Students who are required to appear in the supplementary examination have to pay examination fee as mentioned above.

Allowance of FEM Residents

FEM residents under FDP will be paid as per PAHS rules.

Duration of Course

The FEM program is of 18 months duration. The maximum time limit to complete the course is 3 years from the date the course started.

Course Structure

The FEM course will include rotations at Emergency Department, Intensive care unit, Pediatric Intensive care unit, Anaesthesia, Trauma surgery, Pre hospital and EMS system and Disaster Medicine. The course will also include a publication and a project work which needs to be submitted before final exam. FEM residents are required to take Primary Trauma Care, Pediatric advanced cardiac life support, Advanced cardiac life support and disaster course.
Evaluation

- Daily field notes
- Monthly quiz
- Faculty evaluation
- End rotation evaluation
- Midterm exams
- Final exam

Repetition of the course

Repeating resident shall pay fees as follows:

1. Tuition Fee: 15% of the total tuition fee
2. All other fees: 100% as mentioned in the prospectus

Leave rules

Leaves will be as per rules of Patan Academy of Health Sciences.

Accommodation

The candidates must manage their own accommodation.