

Patan Academy of Health Sciences (PAHS)



Fellowship in Infectious Disease Medicine (FIDM)

PROSPECTUS
ENTRANCE EXAM
2022

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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

Infectious diseases and pandemics have been the major cause of morbidity and mortality throughout the human history and are still responsible for a significant proportion of morbidity and mortality worldwide. Infections are common problems in Nepal and contribute to a large proportion of morbidity and mortality in the country.

Many infectious diseases are preventable if appropriate prevention and control measures are implemented on a timely manner. Similarly, most infectious diseases are treatable and curable with appropriate and timely treatment. On the other hand, widespread and inappropriate use of antimicrobials have led to the increased resistance to antimicrobial agents making it more and more difficult to treat common infections. This is particularly relevant in South Asian countries including Nepal. Poor infection control practices and excessive exposure of patients to broad-spectrum antimicrobials result in further spread of the resistant organisms. Studies have shown improved outcome among the patients with challenging infections with the assistance of infectious diseases experts. Similarly, infectious diseases trained physicians also play important role in designing and implementing antimicrobial stewardship and infection control programs. The Government of Nepal plans to expand the infectious diseases services at the central level and build new infectious diseases hospitals in all provinces which will also increase the demand for Infectious Diseases specialists in the country. To meet this need, it is critical for Nepal to develop and implement infectious disease training programs that strive to meet international standards of clinical care and expertise but are tailored to the particular infectious disease needs, challenges, and practice environment in Nepal.

Mission

The mission of the Infectious Diseases Medicine Fellowship Program at PAHS is to train and prepare infectious diseases physicians in Nepal who are capable of managing, preventing, and controlling infectious diseases, educating healthcare workers, and advancing research related to the field.

Goal

The goal of PAHS ID Training Program is to train and prepare competent, scholarly, caring, and service-oriented ID physicians who are capable of:

1. Managing all types of infectious diseases including, but not limited to: bacterial, viral, fungal, mycobacterial, parasitic, vector-borne and zoonotic diseases.
2. Acquiring clinical and research skills in infectious diseases and acquire the competency of a specialist in the field of infectious diseases.
3. Interpreting and correlating microbiological data and recommending appropriate investigations based on clinical presentations.
4. Providing leadership role in infection control and antimicrobial stewardship programs.
5. Providing recommendations for taking appropriate measures to prevent and control outbreaks and epidemics.
6. Educating other physicians, trainees, other health professionals, and the general public about infectious diseases and measures for prevention and control.

Competency of the Fellowship Program

The followings are the general Core Clinical Competencies expected from PAHS fellows who are in the infectious diseases fellowship training:

Competencies	Sentinel Habits
1. Professionalism	Demonstrates respect and responsibility. Demonstrates a commitment to professionalism as a physician, role modeling of accepted patient safety, and adherence to ethical principles.
2. Patient-Centered Care	Incorporates the patient's experience and context into problem identification and management. Provides a high-quality patient care that is compassionate, appropriate, safe, and effective for the treatment of health problems and the promotion of health.
3. Clinical reasoning (Medical Knowledge)	Generates relevant hypothesis resulting in a safe and appropriate differential diagnosis. Manages with available best practices. Demonstrates necessary knowledge and skills while performing methods and procedures required for infectious disease and Microbiology including emergently needed procedures.
4. Procedural skills	Demonstrates necessary knowledge and skills while performing methods and procedures required for infectious disease and Microbiology including emergently needed procedures. Follows the key features for doing procedures (consent, indication/contraindication, proper equipment, mental rehearsal, patient comfort, after care).
5. Communication	Uses clear and timely nonverbal, verbal, and written communication. Demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.
6. Scholarship	Learns and teaches relevant and achievable objectives. Demonstrates ability to investigate and evaluate care of the patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning. Contributes to the creation, dissemination, application, and translation of new medical knowledge and practices. Participates and contributes to quality improvement and research.
7. Leadership	Uses the moral authority derived from personal integrity to define and persist in accomplishing a shared vision. Demonstrate an awareness of and responsiveness to the larger context and health care system, including the social determinants of health, as well as the ability to effectively utilize other resources to provide optimal health care. Engages the team members and nurtures leadership qualities in his team.

In addition to above seven PAHS Core Clinical Competencies, the ID fellows are also expected to achieve competency in an additional core competency as noted below:

8. Community/Public Health Orientated: Demonstrates knowledge of local patterns of disease and promotes public health as well as prevention and control of infectious diseases. Demonstrates knowledge of epidemiology and public health issues at national, regional, and international levels.

CLINICAL ROTATION

Core Rotations over 2 years Program:

The following core rotations are required for completion of the Infectious Diseases Training. The objectives, expectations, and method of evaluation of each of these rotations can be found in the Appendix Section of this document.

1. **Clinical ID- Outpatients:** PAHS except during away rotations, 2 times/wk for 2 years
2. **Clinical ID- Inpatients:** PAHS inpatient ID service, total duration of rotation 15 months
3. **Clinical Microbiology:** Patan Hospital, Microbiology lab 4 mos.; NPHL/Vector-Borne Disease Lab 1 mo. (total 5 mos.)
4. **Clinical Tropical Diseases (CTD):** Sukraraj Tropical and Infectious Diseases Hospital, Teku; total 2 months combined with HIV rotation
5. **HIV/AIDS and STD:** Sukraraj Tropical and Infectious Diseases Hospital, Teku; total 2 months combined with CTD rotation
6. **Tuberculosis and Mycobacterial Diseases:** National TB Center, Thimi; 1 month outpatients
7. **Research:** PAHS; 2 months & ongoing over 2 years
8. **Infection Control/Antimicrobial Stewardship, Epidemiology and Public Health:** PAHS; ongoing over 2 years; includes 1-week Public Health rotation at Epidemiology and Disease Control Section (EDCD)
9. **Elective Rotation:** 1-month external elective rotation for Transplant or other similar area unavailable at PAHS can be arranged as per mutual agreement between the fellow and the program provided funding is available to support such rotation. (1 month in year-2)

EVALUATION

There will be ongoing formative and periodic summative evaluations. Fellow must fulfill all competencies to sit in the exit exam.

Formative evaluations will be done with following tools:

- Field notes
- Core content learning review
- Mini CEx, DOPS, CBD, learning log
- Evaluation by Fellowship program committee

Summative evaluation will be done by:

- Multiple choice questions
- Short answer questions
- OSCE

GRADUATION CRITERIA

The trainees must meet all of the following criteria to graduate from the Infectious Diseases Training program at PAHS:

1. Successful completion of all required rotations and successful completion of 2 years of training
2. Consistent attendance at academic sessions
3. Completion of assigned research and scholarly projects, satisfactory presentation of results in front of the faculty, and submission of reports
4. Completion of all formative assessments
5. Success in midterm examination
6. Demonstration and certification of all EPAs and PAHS core competences

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.

Allowance

Stipend for the Fellows will be paid as per PAHS rules and regulations.

ADMISSIONS

Eligibility Criteria

1. Post graduate degree (MD Internal Medicine) recognized by Nepal Medical Council (NMC).
2. Must have Specialty registration at NMC

Duration of Training

The Fellowship in Infectious Disease Medicine will be of **24 months**.

Available Seats

There will be a total of **2 seats**.

Types of Seats

- Institutional sponsored candidate (1 seat)
- Open candidate (1 seat)

If there are no institutionally sponsored candidates, both the seats will be for open candidates.

Selection Process

Fellowship Candidates will be selected on merit basis based on the scores of written examination consisting of multiple choice questions (MCQs).

Fee Structure

SN	Particulars/Headings	Fees in NPR	Remarks
1	Application Fee	5,000.00	
2	Tuition Fee	2,50,000.00	
	Other Fees:		
3	3.1 PAHS Registration Fee	5,000.00	
	3.2 Security Deposit	20,000.00	Refundable on completion of course
	3.3 Health Insurance	3,000.00	Annual
	3.4 Nepal Medical Council fee	5,000.00	As per the Council
Total Fee Payable at the Time of Admission		2,83,000.00	
Additional Fees:			
4	Rotational Clinical Placement:		
	4.1 Within the country	7,000.00	Per Week
	4.2 Outside the country	To be borne by candidate	
5	Supplementary Exam	15,000.00	Per attempt

Note: The fees, once paid, shall not be refunded and is subjected to change or reviewed.

How to Apply

Candidates must submit his/her application to PAHS office, Sunday to Friday from 8 am to 3 pm, except Wednesday, Saturday and on government holidays, along with following documents:

- Curriculum Vitae
- Post graduate degree certificate
- NMC Specialty registration
- MBBS certificate
- Citizenship
- Bank Voucher

Candidates can obtain application forms from Academic Administration.