In the Name of God

Islamic Republic of Iran
Ministry of Health and Medical Education
Deputy for Education

Infectious Diseases and Tropical Medicine
Degree: Specialty

Introduction:
Due to continuous changes in the distribution pattern of infectious diseases in Islamic republic of Iran and throughout the world, eradication of some infectious diseases, emerging and re-emerging of diseases in the world, discovery of new organisms with specific biological characteristics, technological changes, discovery of new drugs and antibiotics, bioterrorism and biological defense, alternative treatments among people etc., the infectious diseases and tropical medicine specialty curriculum is revised.

Definition and Duration of the Training program:
Infectious diseases and tropical medicine is a clinical specialty program that deals with prevention, diagnosis, and treatment of diseases caused by pathogenic organisms such as different types of bacteria, viruses, parasites, fungi, and prions in different groups.
This training program plays an essential role in controlling epidemic contagious diseases and nosocomial infections as well as eradicating contagious diseases.
Program Duration: 4 years

Aims:
1-We will become one of the top countries in region in next 10 years.
2-To train liable, skillful specialists for service provision, education and science production.

Admission Requirements
- Holding an MD degree
- Having passed the National Entrance Exam

Expected Competencies at the End of the Program

General Competencies*

Specific Competencies and Skills
- Pleural effusion puncture
- Articular fluid puncture
- Pleural biopsy
- Liver biopsy
- Performing and analyzing arterial blood gases (ABG)
- Ascetic fluid puncture
- Bone marrow puncture
- Bone marrow biopsy
- Aspiration and drainage of superficial abscess
- Lumbar puncture (LP)

Educational Strategies, Methods and Techniques*
**Student Assessment (Methods and Types)**

MINICEX  
Periods Of Assessment:
- Oral exams: At the end of each rotation
- DOPS: Annually
- Computerized assessment: At the end of the 4th year (PreBoard & Board)
- Logbook evaluation
- OSCE
- MCQ
- Descriptive Exams

**Ethical Considerations**

*Note: The related document(s) can be found at [http://hemepp.ghdasht.gov.ir/](http://hemepp.ghdasht.gov.ir/).

**The overall structure of the course:**

<table>
<thead>
<tr>
<th>Residency Year</th>
<th>Ward/unit (Place of training)</th>
<th>Training Content</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First year</strong></td>
<td>General internal medicine department*</td>
<td>Exactly the same as that provided during the first year of the internal medicine residency</td>
<td>12 months</td>
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<tr>
<td><strong>Second year</strong></td>
<td>School of medicine Epidemiology or community medicine department</td>
<td>Health management, epidemiology and statistics, research methodology, health economics, etc. **</td>
<td>2 months</td>
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<tr>
<td></td>
<td>School of medicine or pathology department</td>
<td>Relevant laboratory courses</td>
<td>1 month</td>
</tr>
<tr>
<td></td>
<td>Infectious diseases and tropical medicine department</td>
<td>Clinical training</td>
<td>9 months</td>
</tr>
<tr>
<td><strong>Third year</strong></td>
<td>Infectious diseases and tropical medicine department</td>
<td>Clinical training</td>
<td>12 months</td>
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<tr>
<td><strong>Fourth year</strong></td>
<td>Transplantation ward, hematology and oncology ward, high-risk environments such as ICU</td>
<td>Clinical training of special cases Various transplants: kidney, brain, bone, liver, and heart</td>
<td>2 months</td>
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<tr>
<td></td>
<td>Pediatric infection ward</td>
<td>Clinical training in pediatric infectious diseases</td>
<td>1 month</td>
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<tr>
<td></td>
<td>Radiology ward</td>
<td>Radiology training</td>
<td>1 month</td>
</tr>
<tr>
<td></td>
<td>Infectious diseases and tropical medicine department</td>
<td>Clinical training</td>
<td>8 months</td>
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</tbody>
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