

MINISTRY OF HEALTH

INFECTIOUS DISEASES FELLOWSHIP PROGRAMME 2012

Infectious diseases physicians provide a predominantly hospital-based service, specialising in the various clinical, laboratory and public health aspects of infectious disease medicine and microbiology.

1.0 Objectives:

It is expected that at the end of the fellowship programme, a trainee must be competent to:

- take a relevant history, perform a clinical examination and formulate a differential diagnosis of patients presenting with clinical features of infectious diseases
- requesting appropriate diagnostic tests to assess patients at the high standard expected for infectious diseases physicians
- apply sufficient knowledge and skill in diagnosis and management to ensure safe independent practice in infectious diseases, evaluating and using available evidence to solve difficult diagnostic and management problems
- develop management plans for the 'whole patient' and have a sound knowledge of appropriate treatments, including health promotion, disease prevention, and long-term management plans
- explain the details of diagnosis, natural history and outcome of infectious diseases and the required therapeutic measures to clinical colleagues, patients, and their carers
- manage immunocompromised patients, including those with HIV/AIDS
- recognise and manage hospital acquired infection, including postoperative and intensive care related illness, and institute control systems
- diagnose, investigate and manage imported infection and provide advice in relation to travel medicine
- understand the role of the microbiologist and virologist, and the importance of microbiological techniques and their interpretation in infectious diseases
- understand the process and constraints of the microbiological report
- apply knowledge and provide opinion on appropriate use of antibiotic
- exhibit appropriate attitudes and communication skills in dealing with colleagues, patients, and their families
- lead and work effectively as part of a team

- apply a MDT approach to the management of infection within the hospital and community and recognise and understand the application of public health management
- manage time and resources to the benefit of their patients and colleagues
- maintain involvement in a CPD program, using skills of lifelong learning to keep up to date with developments in infectious diseases
- access appropriate resources to maintain knowledge of existing and emerging infectious diseases
- be an effective teacher of infectious diseases
- achieve a firm grasp of basic research methodology, participating in, and initiating research activity

In addition, this training program will ensure that trainees are:

- skilled in quality assurance activities, such as clinical audit
- competent in fiscal management of available health care resources
- continuing to learn about new developments in this rapidly expanding field
- able to impart their knowledge to all levels of society
- honest, compassionate, and display the highest standards of personal and interpersonal professional behaviours.

2.0 Eligibility for training:

- I. A recognized basic medical degree recognized by Malaysian Medical Council
- II. Must have been gazetted as a clinical specialist in the Ministry of Health (MOH) of
OR
Appointed as a clinical specialist in a university department of Medicine
recognized
by Ministry of Higher Education (MOE) .
OR
Any other equivalent medical postgraduate degree recognized by Malaysian
Medical
Speciality Board on case by case basis.

3.0 Training and Supervision:

3.1 Minimum duration of training

3.1.1 Before June 2012 intake

- i. Completion of minimum of three (3) years of training of which part of training may be done in a recognised overseas infectious disease centre.

3.1.2 After June 2012 intake:

- i. Completion of minimum of three (3) years of training of which part of training may be done in a recognised overseas infectious disease centre.
- ii. Trainee is expected to spend a minimum of 12 weeks (full- time) or 24 weeks (part-time) in the accredited microbiology laboratory.
- iii. Trainee is also expected to spend 8 weeks in the Infection Control Unit in a recognized hospital.

3.1.3. The period of training does NOT include the time the trainee spent during his/her housemanship nor the period when undergoing training for the general medicine postgraduate degrees.

3.1.4. The training centers must fulfill the criteria set by Infectious Diseases specialty subcommittee (see appendix A).

3.1.5. A supervisor of training of infectious Disease specialist is one:

- i. who is credentialed as ID specialist by Ministry of Health or National Specialist Register.
- ii. working fulltime as an ID specialist for at least more than 5 years in an accredited training centre/ hospital
- iii. Able to conduct regular meeting with the candidate and produce annual report on performance and competency of the candidate

4.0 Evidence of satisfactory completion of Infectious Diseases Fellowship Programme

1. Proof of completion of the stipulated minimum duration of training as above.
2. Satisfactory completion of projects according to the infectious diseases fellowship programme project guidelines. (Appendix B)
3. Proof of satisfactory training by Log book documentation after June 2012
4. Reports from at least two Supervisors who must be credentialed ID Specialists during the three year training program

5. Special Clause: A senior medical specialist can be credentialed as a Infectious Disease Specialist (ID Specialist) if he or she has been appointed/ recognized as an ID

Specialist by Ministry of Health or recognized university or spends at least 50% of his/her clinical practice in the field of Infectious Diseases, prior to 2005.

Appendix A

Criteria for Accreditation of Centre for Infectious Disease Training

To be accredited as a training centre for infectious disease specialty, the centre must meet ALL the following criteria:

1. A fulltime, practising credentialed infectious disease specialist.
2. Regular outpatient sessions for both new referral and follow-up cases for patients with infectious diseases.
3. Beds for admitting such patients for inpatient care.
4. An intensive care ward
5. A fulltime, trained microbiologist to provide microbiological support services.
6. Radioimaging services with a fulltime, qualified radiologist.
7. Services for hospital infection control.
8. Emergency department.

Appendix B

PROJECT GUIDELINES

Each trainee of the IDFP is required to have the ability to,

1. Review the relevant literature,
2. Synthesise the evidence into a research question,
3. Analyse the data to answer the research question in a logical and scientific manner.
4. Generate conclusions which are supported by data (either the trainee's data or published literature).
5. Publish in a peer reviewed national or international journal or present (oral or posters) in international conferences.

Number of projects

Trainees are required to submit at least two projects during the three years of training. More than one project may be submitted in the one year and be counted towards another year of training.

Project format:

The project may take one of six formats listed below;

1. A review of a clearly defined clinical problem, using a series of cases to illustrate the problem, accompanied by an extensive review of the relevant literature.
2. Presentation (oral or poster) at a national or international conference/meeting.
3. A clinical research project already submitted for publication to a peer reviewed journal.
4. A single case report or case series of an unusual or important infectious diseases problem already submitted for publication to a peer reviewed journal.
5. Fully developed clinical research protocol which includes a detailed literature review, as well as a detailed research plan ready for submission to ethics committee. It would be written with the intention of actually performing the study at a future date, but the completion of the study is not a necessary part of the project.

Grading of Projects:

Each Project is sent two reviewers who are not the direct supervisors of the trainee.

Grading table:

	UNSATISFACTORY	SATISFACTORY
FORMAT	Project not in one of specified formats	Project in suitable format
CONTENT	Content is too brief or displays serious omissions or errors in fact, or conclusions are unsupported by data.	Content is focused, and detailed. No errors of fact. Conclusions are sound and well supported by data. Discussion is detailed and shows sound clinical reasoning.
CRITICAL REVIEW OF LITERATURE/ SOURCES	Insufficient number or inappropriate references cited and/ or references are incorrectly quoted.	Literature is well sourced with no significant omission of important and relevant publications. The ability to critically appraise and to synthesize data is demonstrated.
STRUCTURE	Lack of structure. Information is poorly organised. Formatting is not of standard for publication (including Tables and Figures).	Work has clear structure and is well organised with a logical flow. Formatting is of standard suitable for publication or national/international presentation including Figures and Tables.

Project submission Form:

Infectious Diseases Fellowship

Full Name of Trainee

Year of training

Date of current submission

Year to which this project applies

Title of current project

Project format (tick one)

<input type="checkbox"/> A clinical review	
<input type="checkbox"/> Oral or Poster presentation	Conference name.....
<input type="checkbox"/> Clinical research publication	Journal name
<input type="checkbox"/> Case report or case series	Journal name.....
<input type="checkbox"/> Clinical research protocol	

Title of past project

Project format (tick one)

<input type="checkbox"/> A clinical review	
<input type="checkbox"/> Oral or Poster presentation	Conference name.....
<input type="checkbox"/> Clinical research publication	Journal name
<input type="checkbox"/> Case report or case series	Journal name.....
<input type="checkbox"/> Clinical research protocol	

Title of past project

Project format (tick one)

<input type="checkbox"/> A clinical review	
<input type="checkbox"/> Oral or Poster presentation	Conference name.....
<input type="checkbox"/> Clinical research publication	Journal name
<input type="checkbox"/> Case report or case series	Journal name.....
<input type="checkbox"/> Clinical research protocol	

Signature of trainee

Date:

Reviewer's report:

Name of trainee:

Name of reviewer:

Project title:

Grade: Satisfactory Unsatisfactory

Comments:

Project title:

Grade: Satisfactory Unsatisfactory

Comments:

Project title:

Grade: Satisfactory Unsatisfactory

Comments:

Signature of reviewer

Date: