**New Application: Medical Microbiology**

**Review Committee for Pathology**

**ACGME**

**Oversight**

**Resources**

1. Describe the office space, meeting rooms, and laboratory space available to support patient care-related teaching, educational, research activities, and clinical service work. [PR I.D.1.a)]

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1. Provide the following for each site and major laboratory section which will participate in the medical microbiology program for the most recent 12-month period. Copy this question and tables a) and b) below, and add or delete rows as necessary. [PR I.D.1.a)]

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| Name of Laboratory | Click here to enter text. |
| Lab Director | Click here to enter text. |
| Person Responsible for Medical Microbiology Education | Click here to enter text. |

1. List the workload of the following services provided: [PR I.D.1.b)]

|  | Approximate number by extent of identification |
| --- | --- |
| Total Annual | Screen Only | Partial ID | Complete ID |
| Bacteriology | # | # | # | # |
| Mycobacteriology | # | # | # | # |
| Mycology | # | # | # | # |
| Parasitology | # | # | # | # |
| Virology | # | # | # | # |
| Microbiology susceptibility | # | # | # | # |
| Immunological (serological) identifications: | Bacteria | # | # | # | # |
| Viruses | # | # | # | # |
| Fungi | # | # | # | # |
| Parasites | # | # | # | # |
| Other (Specify) | Section name | # | # | # | # |
| Section name | # | # | # | # |
| Section name | # | # | # | # |
| Section name | # | # | # | # |
| Section name | # | # | # | # |
| What responsibility will fellows have for these determinations?Click here to enter text. |

1. List the 10 determinations most often sent from this lab to outside laboratories. [PR I.D.1.b)]

|  |  |
| --- | --- |
| Description of Procedure | Annual # of Procedures |
| 1 | Description of procedure | # |
| 2 | Description of procedure | # |
| 3 | Description of procedure | # |
| 4 | Description of procedure | # |
| 5 | Description of procedure | # |
| 6 | Description of procedure | # |
| 7 | Description of procedure | # |
| 8 | Description of procedure | # |
| 9 | Description of procedure | # |
| 10 | Description of procedure | # |
| How will the data on the procedures above made available to and used by the program fellows?Click here to enter text. |

**Other Learners and Other Care Providers**

1. Provide the following information for other educational programs (e.g., other GME programs from this and other sites, residency/fellowship programs for medical technologists, masters and doctoral programs, or post-doctoral programs for clinical scientists) that use program facilities for educational experiences in pathology. Add or delete rows as necessary. [PR I.E.1.a)]

| Name of Site and Type of Program | Length of rotation(in weeks) | Maximum number of learners per year | Maximum number of learners present at the same time |
| --- | --- | --- | --- |
| Site name and program type | Site name and program type | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |
| Site name and program type | # | # | # |

**Personnel**

**Other Program Personnel**

1. Concisely describe the qualified laboratory technical personnel that will provide support for the clinical, teaching, educational, and research activities of the fellowship. Is the support of the program in this area satisfactory at all program sites? [PR II.D.1.; II.C.]

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**Educational Program**

**ACGME Competencies**

**Patient Care and Procedural Skills**

1. Indicate the settings and activities in which fellows will demonstrate competence in the following. Also indicate the method(s) that will be used to assess competence. [PR IV.B.1.b).(2).(a)]

| Competency Area | Settings/Activities | Assessment Method(s) |
| --- | --- | --- |
| Culture examination using biochemical and other methods of identification and characterization[PR IV.B.1.b).(2).(a).(i)] | Click here to enter text. | Click here to enter text. |
| Direct microscopic examination of clinical materials, including light and fluorescence microscopy, for the morphologic diagnosis of infectious diseases[PR IV.B.1.b).(2).(a).(ii)] | Click here to enter text. | Click here to enter text. |
| immunologic techniques for the identification and characterization of microorganisms[PR IV.B.1.b).(2).(a).(iii)] | Click here to enter text. | Click here to enter text. |
| Molecular techniques for the identification and characterization of microorganisms[PR IV.B.1.b).(2).(a).(iv)] | Click here to enter text. | Click here to enter text. |
| Interpreting results of assays performed in the medical microbiology laboratory, including antimicrobial susceptibility tests and molecular diagnostic tests[PR IV.B.1.b).(2).(b).(i)] | Click here to enter text. | Click here to enter text. |
| Interpreting and correlating the clinical status of a patient with the results of medical microbiology testing[PR IV.B.1.b).(2).(b).(ii)] | Click here to enter text. | Click here to enter text. |

**Medical Knowledge**

1. Indicate the activities (lectures, conferences, journal clubs, clinical teaching rounds, etc.) in which fellows will demonstrate expertise in their knowledge in each of the following areas. Also indicate the method(s) that will be used to assess expertise. [PR IV.B.1.c)]

| Area of Expertise | Settings/Activities | Assessment Method(s) |
| --- | --- | --- |
| Appropriate specimen types, specimen collection procedures, and processing techniques[PR IV.B.1.c).(1).(a)] | Click here to enter text. | Click here to enter text. |
| Antimicrobial susceptibility testing; immunology; medical bacteriology; molecular testing; mycobacteriology; mycology; parasitology; public health microbiology, including epidemiologic typing as related to infection control; and virology[PR IV.B.1.c).(1).(b)] | Click here to enter text. | Click here to enter text. |
| Budgeting, epidemiology as related to the hospital and public health issues, hospital infection control, laboratory safety, personnel supervision, principles of disinfection and sterilization, quality control, and workload accounting[PR IV.B.1.c).(1).(c)] | Click here to enter text. | Click here to enter text. |
| The role of the microbiology laboratory in the context of the hospital health care system and community medicine, including:[PR IV.B.1.c).(1).(d)] | Click here to enter text. | Click here to enter text. |
| Infection control methods to prevent the spread of antimicrobial resistant microorganisms throughout the hospital and the health care system[PR IV.B.1.c).(1).(d).(i)] | Click here to enter text. | Click here to enter text. |
| Interactions of the medical microbiology laboratory with the public health system for the detection and submission of microorganisms so as to aid in the containment of infectious diseases[PR IV.B.1.c).(1).(d).(ii)] | Click here to enter text. | Click here to enter text. |
| Public health implications of specific microorganisms and means for their control[PR IV.B.1.c).(1).(d).(iii)] | Click here to enter text. | Click here to enter text. |
| For tests sent to a reference laboratory facility, knowledge of the methods used to perform the assays and the interpretation of test results[PR IV.B.1.c).(1).(d).(iii).(a)] | Click here to enter text. | Click here to enter text. |
| Histopathologic and clinical correlation of microbiologic data, activity and pharmacokinetics of antimicrobial agents, microscopic examination of specimens, principles and interpretation of antimicrobial susceptibility testing and antimicrobial assays, specimen collection, and transport and processing[PR IV.B.1.c).(2)] | Click here to enter text. | Click here to enter text. |

**Practice-based Learning and Improvement**

1. Briefly describe one planned quality improvement activity or project that will allow fellows to demonstrate an ability to evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care. [PR IV.B.1.d)] (Limit response to 400 words)

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**Interpersonal and Communication Skills**

1. Briefly describe one learning activity in which fellows demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. [PR IV.B.1.e)] (Limit response to 400 words)

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**Systems-based Practice**

1. Describe the learning activity(ies) through which fellows demonstrate an awareness of and responsiveness to the larger context and system of health care: [PR IV.B.1.f)] (Limit response to 400 words)

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**Curriculum Organization and Fellow Experiences**

1. Describe the clinical experience for fellows in all aspects of medical microbiology. Outline the educational activities specific to supervision of trainees and/or laboratory personnel, and graded responsibility, including independent diagnosis and decision making. [PR IV.C.3.a)] (Limit response to 400 words)

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1. Outline the educational activities specific to medical microbiology, review of the medical literature in the subspecialty area, and use of study sets of unusual cases. [PR IV.C.3.b)] (Limit response to 400 words)

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1. Describe the fellows’ experience and responsibilities in the administration, management, and direction of the medical microbiology laboratories. [PR IV.C.4.] (Limit response to 400 words)

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1. What experience and responsibilities will fellows have for quality assurance, safety regulations, and use of laboratory and hospital information systems? [PR IV.C.4.] (Limit response to 400 words)

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1. Describe the fellows’ experience and responsibilities providing medical, scientific, and administrative direction in the diagnostic microbiology laboratory. [PR IV.C.5.] (Limit response to 400 words)

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1. Describe the fellows’ participation in financial and/or operational decisions relating to the diagnosis, management, treatment, control, and prevention of infectious diseases. [PR IV.C.6.] (Limit response to 400 words)

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1. List the planned didactic schedule for fellows, including medical microbiology conferences, journal clubs, and joint conferences. Add rows as necessary. [PR IV.C.7.; PR IV.C.7.a)-b)]

| Type of Session | Frequency | Responsible Department | Required?(Yes/No) | Attendance Taken?(Yes/No) |
| --- | --- | --- | --- | --- |
| Type of session | Type of session | Type of session | [ ] Yes[ ] No | [ ] Yes[ ] No |
| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |
| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |
| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |
| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |
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| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |
| Type of session | Frequency | Department | [ ] Yes[ ] No | [ ] Yes[ ] No |

1. Describe fellow participation in these conferences. How much responsibility will they have for their preparation and presentation? [PR IV.C.7.a)]

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**The Learning and Working Environment**

**Clinical Responsibilities, Teamwork, and Transitions of Care**

1. Briefly describe how the fellow will work in interprofessional teams. [PR VI.E.2]

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