Specialty Training Requirements in Medical Genetics and Genomics

2009

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VERSION 1.2

These training requirements apply to those who begin training on or after July 1st, 2010.

MINIMUM TRAINING REQUIREMENTS

1. Five (5) years of approved residency training

   1.1. A minimum of twenty-four (24) blocks of basic clinical training, normally to be completed in the PGY1-2 years, which must include:

      1.1.1. A minimum of eight (8) blocks of Internal Medicine, which must include at least two (2) blocks of inpatient rotations outside a critical care unit. Adult Neurology may be substituted for up to two (2) blocks of Internal Medicine

      1.1.2. A minimum of eight (8) blocks of Pediatrics, which must include at least two (2) blocks of inpatient rotations outside a pediatric critical care unit and one (1) block of neonatal intensive care

      1.1.3. A minimum of two (2) blocks of Maternal-Fetal Medicine or equivalent service that provides fetal assessment and management of pregnancies at high risk due to maternal or fetal indications

      1.1.4. A minimum of one (1) block or longitudinal equivalent focusing on general (non-genetic) counseling and communication skills

      1.1.5. A maximum of five (5) blocks of elective experiences relevant to Medical Genetics and Genomics, with a maximum of three (3) blocks in Medical Genetics and Genomics

   1.2. A minimum of thirty-six (36) blocks of approved residency in Medical Genetics and Genomics, which must include:

      1.2.1. A minimum of two (2) blocks in a cytogenetics laboratory

      1.2.2. A minimum of two (2) blocks in a molecular genetics laboratory

      1.2.3. A minimum of two (2) blocks in a biochemical genetics laboratory

      1.2.4. A minimum of eighteen (18) blocks of Medical Genetics and Genomics

      1.2.5. A maximum of twelve (12) blocks of research or electives in areas relevant to Medical Genetics and Genomics, as approved by the candidate's program director and by the residency program committee

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NOTES:

During the Medical Genetics and Genomics training in section 1.2.4, the resident must be involved in the care of a variety of patients of all ages with genetic and metabolic diseases.

Educational experiences must include completion of course work or an equivalent formal educational program at an advanced level including the following areas; usually done concurrently with other activities during residency

1. Molecular genetics
2. Cytogenetics
3. Human genetics
4. Genetic epidemiology/population genetics
5. Genomics

Training in Medical Genetics and Genomics must include exposure to community and/or population-based learning experiences such as outreach clinics, telehealth patient encounters, or population screening programs; usually done concurrently with other activities during residency.

Royal College certification in Medical Genetics and Genomics requires all of the following:

1. Successful completion of a 5-year Royal College accredited program in Medical Genetics and Genomics;

2. Successful completion of the certification examination in Medical Genetics and Genomics; and

3. Complete a scholarly project relevant to Medical Genetics and Genomics that is suitable for peer-reviewed publication or presentation at a national academic meeting.

The 5-year program outlined above is to be regarded as the minimum training requirement. Additional training may be required by the program director to ensure that clinical competence has been achieved.

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