

The pediatric resident should complete the following objectives by the end of a cardiology rotation. The rotation involves both ambulatory and inpatient consult service. An evaluation of resident performance will be performed at the end of the rotation based upon the following objectives.

MEDICAL EXPERT

1. The resident will demonstrate knowledge of specific history and physical examination and interpretation of these findings for common cardiovascular presentations including murmur, syncope, palpitations, arrhythmias, chest pain and Kawasaki disease.
2. The resident should demonstrate knowledge of the anatomy, hemodynamics and electrophysiology of the normal heart and common congenital (cyanotic and acyanotic) and acquired pediatric heart disease including atrial septal defect, ventricular septal defect, patent ductus arteriosus, aortic stenosis, pulmonary stenosis, supraventricular tachycardia and cardiomyopathy.
3. The resident should demonstrate relevant understanding of the fetal circulation and its roles in the presentation of newborn congenital heart disease.
4. The resident should know the pre- and post-operative needs of the pediatric cardiology patient and long-term complications.
5. The resident should know the incidence and recurrence risk of congenital heart disease.
6. The resident should know the indications, benefits, side effects and contraindications for commonly used cardiovascular medications including prostaglandins, indomethacin, beta blockers, adenosine, furosemide, captopril and digoxin.
7. The resident should demonstrate basic interpretation of electrocardiograms for all age groups and interpretation of chest x-rays including heart size, chamber enlargement and pulmonary vascularity.

COMMUNICATOR

1. The resident should demonstrate ability to communicate effectively with patients, families and other health professionals. This includes both verbal and written communication.

COLLABORATOR

1. The resident should demonstrate the ability to work effectively with other members of the health care team.
2. The resident should demonstrate the ability to practice cost effective and evidence-based medicine. For example, the resident should know the indications, limitations, benefits, costs and hazards of electrocardiogram, chest x-ray, echocardiogram, interventional catheterization, radionuclide studies, exercise test and Holter monitor.

HEALTH ADVOCATE

1. The resident should demonstrate ability to identify and focus on health advocacy issues during patient care.

SCHOLAR

1. The resident should demonstrate initiative and intellectual curiosity including critical appraisal of the literature and education of patients, families and other health professionals.

PROFESSIONAL

1. The resident should demonstrate professional behaviour including appropriate skills and knowledge.
2. The resident should demonstrate knowledge and practice of medical ethics. This includes respecting patient confidentiality and respecting individuality (awareness of race, gender and cultural differences).