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## Learning Objectives for Rotations in Pediatric Cardiovascular Surgery Year 3 Basic Clerkship

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### DESCRIPTION

This 3<sup>rd</sup> year surgical rotation would be based primarily at BC Children's Hospital and involve exposure to congenital cardiac surgical patients pre and post-operatively in the surgical clinic, in the operating room, in the pediatric intensive care unit and on the wards. On one day per two week rotation, there would be the opportunity to attend an adult congenital cardiac clinic at St. Paul's Hospital and assist in an adult congenital surgical procedure.

### OBJECTIVES

The objectives for this rotation would be for the students to obtain a detailed understanding of common congenital cardiac pathology (ASD, VSD, AV canal, Tetralogy, transposition, truncus arteriosus, and tricuspid atresia) and a rationale for the cyanotic and acyanotic presentation of these lesions.

The student will achieve an appreciation for the breadth of operation performed in congenital cardiac surgery and how this differs from adult cardiac surgical practice. The student will obtain an understanding of standard operating room procedure and be introduced to concepts to tissue handling and first and second assisting.

Depending on prior experience, the student will be assisting in chest opening and the closure of simple wounds. The student will be expected to develop an understanding of common post-operative surgical complications unique to pediatric heart surgery, including junctional ectopic tachycardia, low output syndrome and tamponade and how they are best treated.

Students will assume direct care of at most 2 surgical patient on the ward. This care will be under the supervision of the senior resident or fellow and the attending on service.

### ACADEMIC ACTIVITIES

The student will be expected to prepare a formal case presentation on one surgical patient during the rotation to demonstrate an understanding of the indications for operative intervention and of the possible surgical approaches that can be taken to each specific lesion. Depending on student interest and case variety, this presentation may be refined into a case report for publication. There are generally two to three ongoing clinical projects within the division at any one time and depending on student interest they may become involved during their time on the service.

### NIGHT/WEEKEND CALL

No – unless a particular case of interest to the student is performed after hours.