

# 660U Pediatric Cardiology

This course is available to UC Irvine students only

<b>Elective at a Glance</b>		
<b>Available to:</b> <input type="checkbox"/> UCI MS3 students <input checked="" type="checkbox"/> UCI MS4 students <input type="checkbox"/> Extramural Students		
<b>Duration:</b> 4 weeks	<b>Number of Students:</b> CHOC-based rotation: 2-3 Millers-based rotation: 1	<b>Grading:</b> H / P / F
<b>Periods available:</b> The time of the course must be pre-approved by the elective director at least three months prior to the start of the course.		

## 1. Course Director, Coordinator and General Administrative Information

### FACULTY AND STAFF

Name	Office Location	Phone	Email
Course Director: Ahmad R. Ellini, MD	505 S. Main St. Suite600 Orange, CA 92868	714-509- 3358	Ahmad.ellini@choc.org
Course Director: Christopher Tan, MD			<a href="mailto:ctanmd@gmail.com">ctanmd@gmail.com</a>
Course Coordinator: Frank Cruz	505 S. Main St., Ste. 525	714-456- 5650	<a href="mailto:fcruz@hs.uci.edu">fcruz@hs.uci.edu</a>

### DESCRIPTION

Students will review the fundamentals of cardiac anatomy and physiology and learn to apply these concepts to the diagnosis and treatment of patients with congenital heart disease. History and physical examination skills are highlighted. Students will also gain experience with ultrasound and echocardiogram interpretation and have exposure to advanced noninvasive imaging such as cardiac MRI, as well as participate in the cardiac catheterization and electrophysiology laboratories, cardiothoracic operating room, cardiovascular intensive care unit and exercise physiology lab.

### PREREQUISITES and RESTRICTIONS

This course is intended for fourth-year students enrolled in the undergraduate medical education program at UCI School of Medicine.

**COURSE DIRECTOR**

Dr. Ellini is a Pediatric Cardiologist with a special interest in inpatient cardiac care and non-invasive imaging. His pediatric residency was at Children's Hospital of Pittsburgh, and he completed his cardiology fellowship at Children's National Hospital in Washington D.C.

Frank Cruz is the course coordinator for the 660U course. Frank Cruz has been working as Student Coordinator for the UCISOM for 10+ Years. In addition to his Student Coordinator duties, he also works as an assistant coordinator for the UCICHOC Pediatric Residency.

**INFORMATION FOR THE FIRST DAY**

Frank Cruz the student coordinator will contact student with further details. fcruz@hs.uci.edu (714)456-5650.

**SITE:** CHOC or Miller Children's and Women's Hospital

**DURATION:** 4 weeks

**Scheduling Coordinator**

UCI students please call (714) 456-8462 to make a scheduling appointment.

**Periods Available**

The time of the course must be pre-approved by the elective director at least three months prior to the start of the course.

**NUMBER OF STUDENTS ALLOWED**

CHOC-based rotation: 2-3

Millers-based rotation: 1

**WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE**

Be familiar with previous curriculum in cardiology (basic science, outpatient and inpatient pediatric cardiology) from third year pediatric clerkship - will vary from one student to another.

**COMMUNICATION WITH FACULTY**

Questions about logistics should be directed to the Course Coordinator. Direct questions, comments, or concerns about the course can be directed to the Course

Director. Contact information and office location are at the beginning of this document.

The Course Director is also available to meet in person. Please email [fcruz@hs.uci.edu](mailto:fcruz@hs.uci.edu) to arrange an appointment. To ensure that your email will not be lost in the large volume of email received, please use the following convention for the subject line:

SUBJECT: COURSE NAME, your last name, your issue (e.g. XXX, Smith, Request for appointment)

## 2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 620A course. Students are expected to demonstrate proficiency in these areas in order to satisfactorily complete the course. In addition, the extent of a student's mastery of these objectives will help guide the course evaluation and grade.

Course Objective	Mapped UCI School of Medicine Program Objective	Sub Competency	Core Competency
Perform history and physical exam on pediatric patients referred for cardiac evaluation.	B-1. The ability to competently conduct a medical interview and counseling to take into account patient health beliefs, patient agenda and the need for comprehensive medical and psychosocial assessment	Medical Interview	Skillful
	B-2. The ability to competently perform a complete and organ-system-specific examination including a mental health status examination	Physical Exam	Skillful
Develop proficiency in interpretation of chest x-rays and electrocardiograms.	B-5. The ability to practice effective preventive medicine by identifying, addressing and advocating for	Patient Management	Skillful

	strategies to maintain health and well-being, to identify and treat disease early where appropriate and to advise on lifestyle practices		
Provide consultation on all pediatric cardiology in-patients. (except those in the NICU).	A-3. Knowledge of basic clinical skills required to meet the skills objectives, including interviewing, physical diagnosis, communication and clinical reasoning processes	Basic Clinical Skills	Knowledgeable
Provide patient care at the Pediatric Cardiology Clinics. In cardiology clinic, the student will see a variety of patients including those with significant heart disease, innocent murmurs, chest pain, and a variety of other cardiac diseases. The patients will be examined, the patient's x-rays and ECG evaluated, and a discussion of the case will follow.	<p>B-3. The ability to articulate a cogent, accurate assessment and plan, and problem list, using diagnostic clinical reasoning skills in all the major disciplines</p> <p>B-5. The ability to practice effective preventive medicine by identifying, addressing and advocating for strategies to maintain health and well-being, to identify and treat disease early where appropriate and to advise on lifestyle practices</p>	Patient Management	Skillful

### 3. Course Resources

#### TEXTS AND READINGS: SUGGESTED

- Park MK, Pediatric Cardiology for Practitioners, Year Book Medical Publishers, 2002.
- Park MK and Guntheroth WG, How to Read Pediatric ECGs. Year Book Medical Publishers, 1992.
- Harriet Lane Handbook (section on cardiology), current edition.

#### **TEXTS AND READINGS: SUPPORTING AND REVIEW**

- Additional references are available in the Division Office.

## **4. Major Exams, Assignments and Grading**

### **MANDATORY SESSIONS**

N/A

### **MAJOR ASSIGNMENTS AND EXAMS**

N/A

### **GRADING**

Medical Students are graded using the following scale: Honors (H), Pass (P), Fail (F) and Incomplete (I). For further information, please review the Grading Policy.

The student will receive a grade of Honors, Pass or Fail. The student's final grade will be submitted on the standard UCI form. **There are no formal assignments or examinations for this course. The student will be evaluated by attending and residents in the area of clinical performance, clinical skills, formal presentation, learning accomplishments, attendance, attitude and effort.**

Evaluations will be completed by the attending in consultation with faculty, residents, and staff who interacted with the resident. If the student fails the elective, a grade of "F" will be permanently recorded on his/her transcript. The student can repeat the course for a second grade; however, the "F" will not be removed from the transcript.

You have 30 days from the date of the grade to appeal any aspect of this grade. Please contact your Clerkship/course Director should you have any questions

### **Requirements for "Pass":**

To receive a grade of Pass, students must demonstrate successful performance in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism

- Systems-Based Practice

**Requirements for “Honors”:**

To receive a grade of Honors, students must demonstrate exceptional performance all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

***Grounds for “Incomplete”:*** You will not be issued a grade until all elements of the course have been completed.

**REMEDIATION**

Remediation, if needed will be designed by the Course Director to suit the issue at hand.

**Grounds for “Fail”:** You will receive a grade of "Fail" if the requirements for passing the course have not been met. Please refer to the [Grading Policy](#) for the impact of the "Fail" grade to the transcript.