



# **College of Physicians and Surgeons of Mumbai**

## **Syllabus for CPS-PG-Course**

### **DPCARD-DIPLOMA IN PAEDIATRIC CARDIOLOGY**

**College of Physicians and Surgeons of Mumbai**

CPS House, Dr. E. Borges Marg, Parel, Mumbai – 400012.

## **DPCARD-DIPLOMA IN PAEDIATRIC CARDIOLOGY**

### **OBJECTIVE:**

- To provide one-year all-round training and experience in all areas of paediatric cardiology
- To develop practical skills in invasive and non-invasive paediatric cardiology
- To develop a systemic approach to other patient's problem and decision-making skills in management
- To perform and interpret various diagnostic and therapeutic procedures
- To obtain experience in scientific data collection, analysis, interpretation, publication and medical audit.

### **COURSE DESCRIPTION**

#### Eligibility Criteria for Candidates:

i. A candidate should possess MBBS degree/ equivalent degree as per provisions of Indian Medical Council Act.

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ii. Candidates having a recognized 3 years degree Qualification (MD/MS/DNB) in any General Medicine or Paediatrics speciality

or 2 years Diploma Qualification in General Medicine or Paediatrics speciality

Duration of the Course : 2 years

#### Training schedule

Wards/OPD—3 months—Minimum No. 200 patients

History taking and cardiac assessment, Nutrition,

Growth and Developmental assessment, Basics of CV Sex examination and interpretation, Investigation and interpretation, Case presentation

Echo Lab—3 months—Minimum No. 300 echo studies

Performing, recording and interpreting echocardiogram, reporting of echo, presentation and correlation with clinical findings

Cath Lab—3 months—Minimum - No. of cath: Right heart 50, Left heart 50, Interventions - 10

Precath assessment, performing right and left heart cath studies, interpreting and reporting cath and angiogram, case presentation and family counselling, assisting in cath interventions, assisting in Electrophysiology procedures

Paediatric Cardiac ICU—2 months—No. of patients-100

Monitoring and managing post-operative  
and medical ICU cardiac patients, ventilator care, hemodynamic monitoring, management of ICU related problems in children with heart disease  
Special optional posting-1 month in Echo Lab/Cath Lab/PICU or Research

Academic requirements :

Minimum of 6 Journal/articles reviews

Minimum of 6 topic reviews

Preferable: One research project involving data collection, analysis and writing a paper/abstract presentation

Logbook of clinical work, Echo, Cath, presentations, etc.

## **SYLLABUS**

Anatomy of the heart

Embryology of the heart

Cardiovascular physiology

Cardiac pathology

Cardiac pharmacology

Cardiac investigations—

Electrocardiogram, radiography, echocardiography, cardiac catheterization, angiography, Holter ECG, stress testing, cardiac output measurement.

Clinical assessment of paediatric cardiac patients

Congenital heart diseases

Rheumatic heart disease

Inflammatory diseases of the heart

Cardiomyopathy

Pulmonary hypertension

Diseases of coronary arteries

Cardiac arrhythmia

Hypertension

Congestive Heart failure

Cardiac emergencies

Paediatric Intensive Cardiac Care

Postoperative paediatric Cardiac Care

Natural history and postoperative follow-up of congenital heart diseases

Infective endocarditis

Developmental issues in congenital heart disease

Adolescent and adult Congenital heart disease

Foetal heart disease—detection and management

Preventive cardiology

**DPCARD: DIPLOMA IN PAEDIATRIC CARDIOLOGY****EXAMINATION PATTERN****Theory Examination:**

<b>PAPER I</b>	<b>PAPER II</b>	<b>PAPER III</b>
ANATOMY PHYSIOLOGY	OPERATIVE PROCEDURES	APPLIED SCIENCES & RECENT ADVANCES
<b>Section I</b>	<b>Section I</b>	<b>Section I</b>
Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks
Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks
Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks
Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks
Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks
<b>Total 50 Marks</b>	<b>Total 50 Marks</b>	<b>Total 50 Marks</b>
<b>Section II</b>	<b>Section II</b>	<b>Section II</b>
Q.6. 10 Marks	Q.6. 10 Marks	Q.6. 10 Marks
Q.7. 10 Marks	Q.7. 10 Marks	Q.7. 10 Marks
Q.8. 10 Marks	Q.8. 10 Marks	Q.8. 10 Marks
Q.9. 10 Marks	Q.9. 10 Marks	Q.9. 10 Marks
Q.10. 10 Marks	Q.10. 10 Marks	Q.10. 10 Marks
<b>Total 50 Marks</b>	<b>Total 50 Marks</b>	<b>Total 50 Marks</b>
Section I + II = 100 Marks	Section I + II = 100 Marks	Section I + II = 100 Marks
<b>Total Theory = 300 Marks, Passing = 150 (i.e. 50%) Marks in aggregate</b>		

<b>Practical Examination:</b>		<b>Marks</b>
<b>Paper - IV</b>	Clinical Practical	100
<b>Paper - V</b>	Oral & Viva	100
<b>Paper - VI</b>	Case	100
<b>Total Marks</b>	<b>(Aggregate marks for passing is 50% out of total.)</b>	<b>300</b>