



ASSOCIATION FOR EUROPEAN PAEDIATRIC AND CONGENITAL CARDIOLOGY

AEPC LOGBOOK

Documentation of the competency-based specialisation in Paediatric and Congenital Cardiology

Country specific requirements for specialisation in the Netherlands
Sectie Kindercardiologie, Nederlandse Vereniging voor Kindergeneeskunde
(NVK)

Version April 2024



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1 - PERSONAL INFORMATION

Personal data of the fellow in Paediatric Cardiology	
Name:	
First name:	
Title:	
Address:	

Final exam in medicine	
University:	
City:	
Date:	

Approbation as doctor	
University:	
City:	
Date:	



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2 - REQUIRED PAEDIATRIC RESIDENCY

Before starting as a trainee in Paediatric and Congenital Cardiology, the trainee should have followed a training in Paediatrics also containing a minimum of 6 months in Neonatology / Paediatric Intensive Care.

The following training in Paediatrics in combination with Paediatric Cardiology specialisation is required to be able to assign for the logbook assessment:

- *Paediatric Specialisation + 3 years of Paediatric Cardiology*
- *Cardiology Specialisation + 3 years of Paediatric Cardiology*

Training in Paediatrics:

Number of years:

Centre:

Name:

Department:

Address:

Training in Neonatology / Paediatric Intensive Care:

Number of years:

Centre:

Name:

Department:

Address:

Final exam or end of education in Paediatrics:

Hospital:

City:

Date:



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Other training:

Specialty:

Number of years:

Centre:

Name:

Department:

Address:

Other training:

Specialty:

Number of years:

Centre:

Name:

Department:

Address:

Certification of the supervisor / trainer:

Herewith I confirm, that the basic training requirements in Paediatrics before starting the education in Paediatric and Congenital Cardiology have been fulfilled.

Signature of trainer / supervisor:

Date:



3 – COMPETENCE IN PAEDIATRIC AND CONGENITAL CARDIOLOGY

The training in Paediatric Cardiology covers a period of 2 or 3 years depending on the previous education. It should contain training in adult congenital cardiology equivalent to a period of a minimum of 3 months.

3.1 Technical skills

	Minimum recommended numbers <i>(divided in 1st/2nd/3rd year)</i>	Numbers done
ECG		
• Interpret and report electrocardiograms on both inpatients and outpatients	1000	
• Holter monitor <i>(supervision and reporting)</i>	100	
Echocardiography		
All studies should be reviewed and have a finalized consultant report.		
• Transthoracic ECHO: of which	1000	
A. patients with cardiac pathology:	800	
patients with normal cardiac anatomy	200	
B. under supervision of a paediatric echocardiographer / cardiologist	500	
independent investigation by the trainee	500	
• Transoesophageal ECHO:	70	
of which being a primary operator:	50	
• Fetal echocardiograms <i>(observation, not necessarily primary operator and associated counselling)</i>	20	
Exercise tests		
• Interpreted and reported exercise tests	50	
24 h blood pressure measurements	25	
Interpretations of chest X-rays	100	



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Cardiac Imaging		
<ul style="list-style-type: none"> Interpretation of results of cardiovascular magnetic resonance, thoracic CT and radionuclide imaging CT 	50	
Cardiac catheterization and		
<ul style="list-style-type: none"> Participate and report cardiac catheterisation and haemodynamics including patients with balloon atrioseptostomy 	50	
Electrophysiological studies and Ablation		
<ul style="list-style-type: none"> Participate in clinical decision-making for electrophysiology study/ablation procedure, including observation of procedures and interpretation of reports 	10	
Direct current cardioversion	5	
Pacemaker		
<ul style="list-style-type: none"> Observation of pacemaker implantation 	5	
<ul style="list-style-type: none"> Participating in testing permanent pacemaker function 	20	
<ul style="list-style-type: none"> Performance of pacemaker testing: 	20	
Pericardial aspiration		
<ul style="list-style-type: none"> Demonstration of competency in pericardial aspiration under supervision 	2	
Patient care		
<ul style="list-style-type: none"> In-patients for whom the trainee is responsible 	300	
<ul style="list-style-type: none"> Manage patients in an ambulatory care (out-patient) setting 	1000	
<ul style="list-style-type: none"> Intensive Care patients followed 	50	
<ul style="list-style-type: none"> Management of adult patients with congenital heart disease 	50	

Signature of trainer / supervisor:

Signature of trainee:

Date:



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3.2 Assessment of general knowledge

Basic knowledge of/in:	Certified (yes/no):
<ul style="list-style-type: none">• Etiology, genetics, pathophysiology, epidemiology of cardiovascular disease and co-morbidities.	
<ul style="list-style-type: none">• Clinical presentation of CHD.	
<ul style="list-style-type: none">• Diagnostic methods in the specific CHD.	
<ul style="list-style-type: none">• Medical and interventional treatment of CHD.	
<ul style="list-style-type: none">• Principals of multidisciplinary work.	
<ul style="list-style-type: none">• Principals of communication with patients and parents.	
<ul style="list-style-type: none">• Ethical and juridical background of medical actions.	
<ul style="list-style-type: none">• Measures to ensure quality management.	

Signature of trainer / supervisor:

Signature of trainee:

Date:



3.3 Assessment of clinical experience

The trainee has been involved in the diagnoses and treatment of the most common congenital and acquired cardiac diseases. The sufficient experience is reflected by the following number of patients:

Non-cyanotic cardiac defects	Number of patients
• Atrial septal defect	
• Partial anomalous pulmonary venous connection(s)	
• Ventricular septal defect	
• Atrioventricular septal defect	
• Patent arterial duct	
• Aorto-pulmonary window	
• Pulmonary stenosis	
• Ebstein anomaly of the tricuspid valve	
• Double chambered right ventricle	
• Aortic stenosis	
• Coarctation of the aorta and interrupted aortic arch	
• Mitral valve disease	
• Double discordance (L-TGA)	
• Coronary artery fistula	

Cyanotic cardiac defects	Number of patients
• Pulmonary atresia	
• Critical pulmonary stenosis	
• Tetralogy of Fallot	
• Transposition of the great arteries	
• Double outlet right ventricle	
• Truncus arteriosus	
• Hypoplastic left heart syndrome	
• Total anomalous pulmonary venous connection	
• Univentricular atrioventricular connection	



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Cardiovascular symptoms and disorders	Number of patients
• (Pre)-Syncope	
• Pulmonary hypertension	
• Inflammatory cardiovascular disease	
• Cardiomyopathies	
• Endocarditis	
• Myocarditis	
• Acquired valvular diseases	
• Pericardial diseases	
• Cardiac tumours	
• Coronary abnormalities	

Cardiac arrhythmias	Number of patients
• Supraventricular arrhythmias	
• Ventricular arrhythmias	
• Complete Atrio-ventricular block	
• Inherited arrhythmia syndromes	

Signature of trainer / supervisor:

Signature of trainee:

Date:



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4 - TEACHING COURSES

AEPC courses Morphology, Arrhythmia/Pacemaker, Echocardiography and other imaging modalities, ECG, Exercise testing, Catheter Interventions:

Type of course:

Place:

Date:

Organizing institute or organization:

Type of course:

Place:

Date:

Organizing institute or organisation:

Type of course:

Place:

Date:

Organizing institute or organisation:

Type of course:

Place:

Date:

Organizing institute or organisation:

Signature of trainer / supervisor:

Signature of trainee:

Date:



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5 - NATIONAL OR INTERNATIONAL MEETINGS

The trainee should have attended a minimum of 2 national or international meetings in the field of Paediatric Cardiology / Cardiac Surgery.

Type of congress:

Place:

Date:

Organizing institute or organisation:

Type of congress:

Place:

Date:

Organizing institute or organisation:

Type of congress:

Place:

Date:

Organizing institute or organisation:

Signature of trainer / supervisor:

Signature of trainee:

Date:



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5 – RESEARCH AND PUBLICATION

The trainee is expected to have been involved in at least one research project:

Clinical:

Laboratory:

Presentation at congress:

Publication(s):

Signature of trainer / supervisor:

Signature of trainee:

Date:



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6 - EVALUATION AND CERTIFICATION

Annual evaluation - 1st year of Paediatric and Congenital Cardiology

Training center:

City:

Comments:

Name supervisor of trainee:

Date:

Signature supervisor:

Signature trainee:

Annual evaluation - 2nd year of Paediatric and Congenital Cardiology

Training center:

City:

Comments:

Name supervisor of trainee:

Date:

Signature supervisor:

Signature trainee:

Annual evaluation - 3rd year of Paediatric and Congenital Cardiology

Training center:

City:

Comments:

Name supervisor of trainee:

Date:

Signature supervisor:

Signature trainee:



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Rotation or complementary service done in another paediatric cardiology unit:

Training center:

City:

Comments:

Name supervisor of trainee:

Date:

Signature supervisor:

Signature trainee:

Training center:

City:

Comments:

Name supervisor of trainee:

Date:

Signature supervisor:

Signature trainee:



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7 – BOARD CERTIFICATION

Statement of the head of the training unit / department:

Herewith I confirm, that the logbook is a true and accurate record of the trainee's experience and that all training requirements have been fulfilled.

Name & signature of the head of the department:

(preferably member of the AEPC)

Date:

8 - AEPC EXAM IN PAEDIATRIC AND CONGENITAL CARDIOLOGY

AEPC exam passed: YES/ NO

Date:

A certificate of passing the exam should be added to the logbook