"This prospectus is made under the provisions of the Universities Act, the Postgraduate Institute of Medicine Ordinance, and the General By-Laws No. 1 of 2016 and By-Laws No. 2 of 2016 for Degree of Doctor of Medicine(MD) and Board Certification as a Specialist"





POST GRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA

PROSPECTUS

Board Certification in Paediatric Cardiology

(To be effective from the year 2015)

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Contents

1.	Background/Introduction	3
2.	Eligibility for entry into training programme	3
3.	Selection process for training programme	3
4.	Number to be selected for training	3
5.	Outcomes, competences and learning objectives	4
6.	Structure of Training Programme	5
7.	Curriculum and content areas	5
8.	Learning activities	5
9.	Trainers and training units	6
10.	Monitoring progress	7
11.	Eligibility for Pre – Board Certification Assessment (PBCA)	8
12.	Format of Pre Board Certification Assessment (PBCA)	8
13.	Board Certification	9
14.	Recommended reading	10
Anne	xure I - Curriculum and content area	11
ANN	EXURE II - PROGRESS REPORT	17
ANN	EXURE III - IN SERVICE TRAINING ASSESSMENT FORMS	19
ANN	EXURE IV - PORTFOLIO	34

1. Background/Introduction

Paediatric Cardiology is a sub speciality in paediatric which deals with patients with congenital heart diseases and those with acquired heart diseases in childhood. Paediatric Cardiologists treat patients of all ages with congenital heart diseases and therefore cover all ages from foetus to adult.

Even though paediatric cardiology is a highly specialised area, there is great diversity within it. The paediatric cardiologist should be able to work on clinical diagnosis to highly technical echocardiographic diagnosis and should be able to manage patients with drugs to catheter based interventions. Despite the spectrum of work, all paediatric cardiologists need highly developed communication skills in order to work effectively and compassionately with patients and families affected by complex heart problems.

Being a diverse specialty dealing with patients of all ages, Paediatric Cardiology crosses a number of traditional medical boundaries. Close liaison with General paediatrics, paediatric subspecialties, cardiothoracic surgery, adult cardiology, obstetrics, radiology and pathology is required. The paediatric cardiologist in training must have a thorough grounding in paediatrics and should be capable of providing all-round patient care.

Training in paediatric cardiology includes gaining competency in diagnosis, management and treatment of congenital heart disease, acquired heart disease, arrhythmias and disturbances of circulatory function in childhood. It also involves training in diagnostic and interventional cardiac catheterizations and pre operative, intra operative and post operative assessment and management of patients who undergo cardiac surgery. In addition, acquisition of management skills, leadership and personality development, communication skills and knowledge on ethical practices are mandatory to perform as a paediatric cardiologist.

2. Eligibility for entry into training programme

Applicants should have passed the MD Paediatric Examination and should not be already Board Certified by the PGIM in any specialty or subspecialty or have already applied to be enrolled in the training programme in any other subspecialty.

3. Selection process for training programme

The candidates will be selected on the merit based ranking results of the MD (Paediatrics) Examination. The positions available will be offered to the candidates by the BOSPbased on the recommendations made by the Ministry of Health. The candidates, on the basis of the order of merit, would make the appropriate selection for training in Paediatric Cardiology.

4. Number to be selected for training

Within one month of successful completion of MD Paediatrics Examination, the candidates will be offered the training positions in Paediatric Cardiology, based on the recommendations made by the Ministry of Health. Selection will be based purely on merit order of the MD examination. Once the selection is made, the candidate would come under the general purview of the Special Committee of the BOS Paediatrics that deals with Paediatric Cardiology.

Each candidate would be allocated to two "Professional Mentors" by the BOSP. He/she would guide the trainee throughout the training programme.

5. Outcomes, competences and learning objectives

5.1. Aim

The objective of the training programme is to produce specialists in Paediatric Cardiology who should be

- 1. Competent in diagnosing, investigating and managing congenital and acquired cardiac disorders including cardiac arrhythmias from foetus to adulthood.
- 2. Liaise with cardiac Surgeons, Anaesthetist and other relevant paediatric and adult care teams to provide a holistic care for the patient with heart diseases
- 3. Able to play an active role in the development of Paediatric cardiology in Sri Lanka in the most cost effective way based on scientific evidence.

5.2. Learning outcomes

The trainee eligible for Board Certification in Paediatric Cardiology should have:

- acquired a sound knowledge in the anatomy and hemodynamics in relation to normal heart, antenatal and postnatal circulation, congenital and acquired heart diseases in children
- acquired an extensive knowledge of the natural and modified history of the diseases of the cardiovascular system
- developed skills in the diagnosis and management of congenital heart diseases and those acquired during childhood.
- developed skills in the diagnosis, management and counselling of Grown Up Congenital Heart Disease (GUCH) with the adult cardiologist
- developed correct attitudes for good clinical governance whether it is government sector, private sector or abroad.
- developed the skills required for the organization of paediatric cardiac services and evaluate its outcome.
- developed the skills required to conduct audits and scientific research, with a view of contributing for evidence based management and participating in the task of improving the paediatric cardiology services in the community.
- developed the skills required to be a medical resource personnel in order to impart medical education to medical society and the public.
- developed the ability to critically appraise research publications and practice evidence based medicine
- developed the ability to maintain the highest standards of professionalism, moral and ethical conduct
- cultivated the commitment to engage in continuing professional development.

6. Structure of Training Programme

6.1. Duration of training

Total duration of training is 04 years which is mandatory

Local training- 02 years

Overseas training - 02 years in an overseas cardiac centre of excellence

6.2. Local Training

The selected trainee would be appointed as a Senior Registrar for a period of 02 years to a Paediatric Cardiology unit approved by BOS in Paediatrics. The centre should preferably be a multi-consultant unit in paediatric cardiology and should cover diagnostic and interventional catheterisation and paediatric cardiothoracic surgery.

During this O2years the trainee should have three months of training in cardiac electrophysiology and one month of training in adult cardiology.

6.3. Overseas Training

The overseas component of training should be with hands-on experience in a centre/s of excellence approved by the BOSP.

It is expected that the trainee would be able to gain valuable experience in all aspects of cardiac care in such a centre. This will include the use of sophisticated facilities like cardiac MRI for diagnosis and ECMO, Ventricular assist devices for management of more complex cases.

Such exposure and training would enable them to introduce newer diagnostic and therapeutic systems to the country.

7. Curriculum and content areas

Details of the curriculum and the content areas are given in **Annexure I**

8. Learning activities

Method of Delivery and Learner Support System

Text book and journal oriented theory knowledge, theory and practical knowledge of special equipment, patient oriented discussions, tutorials, small group discussions, cyber learning etc.

8.1. Research Project

Successful performance and presentation of a **second research project**, directly relevant to paediatric cardiology is a **mandatory requirement** to be eligible for the PBCA, in addition to the research project that may have been carried out during the general paediatric training. The Research Project could be undertaken at any time, either in Sri Lanka or abroad. It may be either hospital based or community based and could include clinical, epidemiological, genetic or immunological components. It may be observational or interventional in type.

The trainee should be directly involved in and be personally responsible for every component of the research project. If any component has not had the candidate's input the project will be

disqualified.

The study proposal must be assessed and approved by the BOS before embarking on the proposed study.

It should be submitted as a completed research report along with a soft copy **and** evidence of publication or oral/poster presentation to be assessed and approved by the BOS.

The publication should be a first author publication in a journal and the oral/poster presentation should be first author in a scientific meeting, local or overseas, approved by the BOS.

The trainee has to provide documentary proof of oral/poster presentation and/or publication of the research project to the BOS. The documentation includes signed letters from the Scientific Congress and/or the journal concerned.

Please refer to the General Paediatrics Prospectus for the following

- 1. Format for submission of the research proposal
- 2. Assessment of project report by 02 reviewers
- 3. Scientific meetings for presentation and journals for publication of research

9. Trainers and training units

9.1. Training Units

Training in Paediatric Cardiology should be based at established units accredited by the BOSP, which offer a full range of diagnostic and treatment facilities for all forms of cardiac diseases in paediatric practice.

9.2. Details of Trainers

The current panel of Board approved trainers who are Board Certified Paediatric Cardiologists with at least 03 years of experience after Board Certification would carry out the training locally. Overseas training would be carried out by recognised Consultants in Centres of Excellence. Resources such as wards, clinics, intensive care units, special care baby units, operating theatres, skills laboratories, information technology facilities, libraries and any other resources deemed necessary by the BOSP will be used as learning methods and tools. Regular case discussions, Journal Clubs and audit meetings need to be held.

Responsibilities of a trainer

Within the 24 months of local training period the trainer should ensure that:

- The trainee has a comprehensive knowledge on all aspects of paediatric cardiology listed in "The Learning Objectives"
- 2. The trainee is fully competent in performing the listed procedures with understanding of their limitations, adverse effects etc.
- 3. Trainee actively participates in discussions with regards to management of Cardiac diseases.
- 4. Joint discussions with multi- disciplinary care givers are held regularly

- 5. The trainee is fully competent in pre op and post op management of cardiac patients and also should be competent in counselling the parents and the child when necessary before and after cardiac surgery.
- 6. The trainee has sufficient access to high quality paediatric cardiology literature which is discussed regularly.
- 7. All relevant equipment is of sufficiently high quality to allow good training.
- 8. The trainee becomes familiar with counseling of patients with different cardiac conditions
- 9. The trainee is given sufficient time and opportunity to undertake research in the field of paediatric cardiology and to present the findings at scientific meetings and publish them in reputable journals
- 10. Make presentations and actively participate at combined cardiac conference with involvement of multidisciplinary teams

10. Monitoring progress

10.1. Progress reports

Each completed section of the training programme should be followed by the submission of a progress report by the supervisor / trainer.

Refer annexure II

These reports should be received by the PGIM within one month of completing the relevant section of training.

The onus of ensuring that these reports are sent in time to the PGIM is entirely on the trainee. He or she should liaise with the trainers and make sure that the reports are received by the PGIM in time. This includes local as well as overseas training.

Any grade more than 3 would be a satisfactory evaluation result. The grading of less than 3 would be considered as an adverse report. *Refer annexure II for grades*

Unsatisfactory progress reports will be discussed at the Board of Study and contents will be communicated to the trainee and the subsequent trainer/s, where this is deemed necessary for support purposes. The trainee will be informed of the steps taken-which may involve advice, guidance, lengthening or repetition of the said training.

Satisfactory Progress Reports are a mandatory requirement to qualify for the Pre – Board Certification Assessment

10.2. In Service Training Assessment during local training

The trainee is expected complete following assessments during this period.

- 1. Multisource Feedback (MSF)- 2
- 2. Directly Observed Practical Skills (DOPS)- 14
- 3. Case based Discussions (CBD)-12 minutes per CBD -14
- 4. Mini Clinical Evaluation (MCE) 4
- 5. Discharge Summaries & Referral Letters (DSRL) 2
- 6. Evaluation of Teaching Skills- (ETS)- 2
- 7. Communication Skills (CS)- 2

Refer Annex III for assessment forms

Training component	In Service Assessment
Paediatric Cardiac Intensive Care	DOPS (2), CBD (2) CS (1)
Unit	
Cardiac catheterisation laboratory	DOPS (8), CBD (2)
Echocardiography laboratory	DOPS (4) CBD (4) MCE (2)
Electrophysiology training	
Adult cardiology training	CBD (1)
Paediatric Cardiology ward	CBD (5), MSF (2), ETS (2)
	DSRL (2) CS (1) MCE (2)

10.3 Peer Team Rating

PTR forms (Refer General Paediatric Prospectus) should be completed according to the instructions and submitted to the PGIM every six months by the trainee.

11. Eligibility for Pre – Board Certification Assessment (PBCA)

The following criteria have to be fulfilled to be eligible to appear for the PBCA.

- 1. Satisfactory completion of all components of training
- 2. Successful completion and presentation or publication of the Research Project
- 3. Satisfactory progress reports from local and overseas training
- 4. Satisfactorily completed PTR forms

12. Format of Pre Board Certification Assessment (PBCA)

Assessment tool- Portfolio

The PBCA should be based on assessment of portfolio maintained by the trainee during the period of post MD training. Content of the portfolio should encompass all of learning outcomes mentioned below and contains evidence of achievement of these outcomes by the trainee.

- 1. Subject expertise
- 2. Teaching
- 3. Research and Audit
- 4. Ethics and medico legal issues
- 5. Information technology
- 6. Lifelong learning
- 7. Reflective practice

Refer annex 1V for details

Portfolio Assessment

The candidate is expected to maintain a Portfolio from the commencement of his training programme on a continuous basis. He/she is expected to update it at regular intervals. The responsibility of ensuring such remains with the trainee. The Trainer (at each respective stage) is expected to supervise and direct the trainee on compilation of the document.

When the trainee is eligible for PBCA three (3) copies of the completed portfolio should be submitted to the examination branch of PGIM. The PBCA should take the form of a final, summative assessment of the trainee's portfolio, carried out by two independent examiners from the relevant subspecialty, appointed by BOS and approved by the Senate of the University of Colombo. A third examiner will be nominated by the BOS from outside the discipline to improve objectivity.

The overall assessment should be based on each of the main sections, which should be assessed as satisfactory or not on overall basis.

The portfolio will be marked by the examiners using the rating scale. The candidate will have to secure a minimum of 5 or more for all seven (7) components mentioned above at each examiner's assessment. **See Annexure IV for details**

The trainee will be called for a *Viva voce* examination which will based on details provided in the portfolio.

Candidates unsuccessful in PBCA

- A trainee who is unsuccessful in the Portfolio assessment will be advised in writing by the panel on exactly how the portfolio could be improved. In such a case, the necessary corrections and amendments have to be made by the trainee and the portfolio submitted to the PGIM within 3-6 months to be assessed by same panel of examiners and a viva voce based on the resubmitted portfolio. A trainee, who still unsuccessful, would undergo a third portfolio evaluation and viva voce by a different panel of examiners appointed by the BOS within two months,
- If the trainee is successful at the second assessment and viva voce, the date of Board Certification will be backdated as done routinely. If unsuccessful even at the second evaluation, the date of Board certification will be the date of passing the subsequent PBCA following further training for a minimum period of 6 months in a unit selected by the BOS.

13. Board Certification

A trainee who has successfully completed the PBCA is eligible to apply for Board Certification as a specialist in paediatric Cardiology on the recommendation of the BOS in Paediatrics.

The trainee is required to do a power point presentation of 10-15 minutes, to the BOSP which should be based on local and overseas training received, together with a component indicating the future mission and vision of the trainee.

14. Recommended reading

- 1. Moss & Adams' Heart Disease in Infants, Children, and Adolescents: Including the Fetus and Young Adult
- 2. Paediatric Cardiology Robert H. Anderson, MD, Edward J. Baker, MA, MD, FRCP, FRCPCH, Daniel J. Penny, MD, Andrew N. Redington, MD, Michael L. Rigby, MD, and Gil Wernovsky, MD
- 3. Perloff's Clinical Recognition of Congenital Heart Disease, 6th Edition By Joseph K. Perloff, MD and Ariane Marelli
- 4. Bedside Cardiology by Jules Constant
- 5. Feigenbaum's Echocardiography by William F. Armstrong MD (Author), Thomas Ryan MD (Author)
- 6. Echocardiography in Pediatric and Congenital Heart Disease: From Fetus to Adult by Wyman Lai (Editor), Luc Mertens (Editor),
- 7. Echocardiography in Pediatric and Adult Congenital Heart Disease by Benjamin W. Eidem MD FACC FASE (Editor), Frank Cetta MD FACC FASE (Editor),
- 8. Congenital Diseases of the Heart: Clinical-Physiological Considerations by Abraham Rudolph
- 9. Percutaneous Interventions for Congenital Heart Disease by Horst Sievert (Editor), Shakeel Qureshi (Editor), Neil Wilson (Editor), Ziyad M. Hijazi (Editor)
- 10. Diagnostic and Interventional Catheterization in Congenital Heart Disease By (author) James E. Lock, By (author) John F. Keane, By (author) Stanton B. Perry
- 11. Grossman's Cardiac Catheterization, Angiography, and Intervention Hardcover October 26, 2005 by Donald S. Baim MD FACC (Editor)
- 12. How to Read Pediatric ECGs, by Myung K. Park MD FAAP FACC (Author), Warren G Guntheroth (Author)
- 13. Manual of Pediatric Intensive Care by Manoj Luthra (Author)
- 14. Kirklin/Barratt-Boyes Cardiac Surgery by Nicholas T. Kouchoukos MD and Eugene H. Blackstone MD

Contributors to development and revision of prospectus

The following members deserve specific mention for their contribution:

Dr. Duminda Samarasinghe, Dr. Shehan Perera, Dr. Sunethra Irugalbandara, Dr. Mangala Gunathilake, Dr. Dimuthu Weersuriya, Dr. Ruwan Morawakkorala, Dr. I.R. Ragunathan

Annexure I - Curriculum and content area

Broad core objectives

1. Patient Care

The ultimate aim is to provide comprehensive care and specialised services to children with cardiac disorders. The trainees are expected to acquire necessary knowledge and expertise in dealing with the very many cardiac disorders in paediatric practice. The trainees would need to determine the infrastructure facilities required for optimal care to these children and make personal and fervent efforts to acquire them into the specialised cardiac units through the agencies that are responsible for the provision of these amenities.

2. Medical Knowledge

It is expected that the trainees should acquire extensive and up-to-date knowledge on cardiac disorders during the course of the training programme. Wide reading and critical thinking including analysis of haemodynamics together with reflective documentation would be essential attributes that should be developed during the programme.

3. Interpersonal and Communication Skills

It is essential that the trainees develop the indispensable skills in communication and liaison with other colleagues and the staff of the different units of a medical facility with whom they have to have a constant dialogue. It is most likely that the work of the Paediatric Cardiologists would involve a multi-disciplinary approach in many instances and towards that end, proper communication with all those involved in the care of a child with a cardiac disorder would be crucial to the provision of optimal care. The trainees should also acquire the necessary skills and attitudes in maintaining a dialogue with the affected children, their parents and caregivers. Development of empathy and understanding of the problems faced by them would be an essential prerequisite to being a competent and successful paediatric cardiologist.

4. Professionalism

It is envisaged that the trainees in Paediatric Cardiology would act and behave in a most professional manner in all dealings with senior and junior colleagues and others involved in the management of children with cardiac disorders. This is particularly relevant in cardiac disorders as one need to secure the services of several other specialists including anaesthesiologists, cardiothoracic surgeons and para-medical categories of staff in the provision of comprehensive care to those with cardiac disorders. These attitudes and skills need to be carefully nurtured during the training programme.

5. Practice-based and Evidence-based Approach

The trainees are expected to acquire these approaches to the ways in which the myriad of cardiac disorders in children could be handled. Although evidence-based medicine is the cornerstone on which optimal care is based, a practice-based approach may be appropriate in certain circumstances. The skills based on both approaches need to be developed during the training programme. Trainees should have updated knowledge on guidelines and the basis for such guidelines and be able to critically analyse their application in the local setting.

Curriculum in detail

1. Clinical learning objectives

Trainee should have sound knowledge on diagnosis, investigation, treatment including medical management, intervention or surgery.

- 1. Assessment of Foetal cardiac anomalies
 - a. Should be able to diagnose congenital heart diseases in a fetal echocardiogram and plan delivery and post delivery care
 - b. Should be able to diagnose fetal cardiac arrhythmias, be able to manage them antenatally, and advise on timing of delivery
 - c. Should be able to critically analyse use of Fetal echocardiography in a setting where termination of pregnancy is illegal and be able to counsel parents in such a setting.
- 2. Assessment and treatment of a newborn with suspected cardiac abnormality including but not limited to the following
 - a. Cyanotic newborn
 - b. Cardiovascular collapse in newborn period
 - c. Cardiac lesions in newborns with other malformations needing surgical intervention in the newborn period (Tracheo esophageal fistula, Diaphragmatic hernia, imperforate anus)
 - d. Pulmonary hypertension including primary and those secondary to other pathology
 - e. Duct dependant pulmonary and systemic cardiac lesions
- 3. Systematic approach to a child who present with
 - a. Cardiac murmurs
 - b. Chest pain
 - c. Syncope
 - d. Palpitations or arrhythmia
 - e. Stridor
 - f. Cardiac failure
 - g. Any other severe hemodynamic disturbance
 - h. Pre participation screening for sports
- 4. Assessment and management of congenital heart lesions
 - a. Acyanotic heart lesions
 - i. Shunt lesions
 - ii. Obstructive lesions
 - b. Cyanotic heart lesions
 - c. Coronary anomalies ALCAPA, ARCAPA etc
 - d. Anomalies of great vessels
 - e. Non cardiac cyanotic lesions

- Assessment and management of acquired heart diseases in childhood including but not limited to
 - a. Rheumatic fever
 - b. Kawasaki disease
 - c. Endocarditis
 - d. Cardiomyopathies and myocarditis
- 6. Assessment and management of cardiac conditions associated with genetic disorders and miscellaneous cardiac conditions like
 - a. Cardiac tumours
 - b. Disorders of the pericardium
- 7. Assessment in relation to surgery or catheter based intervention
 - a. Timing and operability in univentricular repair
 - b. Timing and operability in biventricular repair
 - c. Timing and indications for palliative procedures like BT shunt and pulmonary artery banding
 - d. Indications and contraindications for catheter based interventions
 - e. Selection of patients for catheter based intervention versus surgery
- 8. Preoperative preparation
 - a. Investigations including haematological, biochemical, microbiological, electrophysiological and relevant imaging
 - b. Counselling of parents
 - c. Psychological preparation of a child for cardiac surgery
- 9. Perioperative assessment and management
 - a. Perform detailed preoperative assessment in order to provide relevant information to the surgeon
 - b. Anticipate peri and post-operative problems depending on pre-operative status
- 10. Assessment and management of post-operative patient including but not limited to
 - a. Problems related to cardiopulmonary bypass
 - b. Low cardiac output state
 - c. Pulmonary hypertensive crisis
 - d. Residual shunts or lesions and need for re-intervention
 - e. Post-operative arrhythmias like Junctional ectopic tachycardia, atrial flutter, reentrant tachycardia, ventricular tachycardia
 - *f.* Indications and use of inotropes and other relevant drugs in post-operative patient
 - g. Pericardial and pleaural effusions
 - h. Diaphragmatic palsy
- 11. Long term follow-up of post-operative patients
 - a. After bidirectional Glenn shunt
 - b. After Fontan circulation
 - c. After tetralogy of Fallot repair
 - d. With residual lesions
 - e. indications for re-intervention

- 12. Diagnosis and management of arrhythmias
 - a. Mechanisms in genesis of cardiac arrhythmias
 - b. Medical management of arrhythmia
 - c. Indications for DC cardioversion
 - d. Indications for temporary pacing and management of temporary pacing
 - e. Indications for exercise testing, ambulatory monitoring, cardiac event recorders, electrophysiological studies and ablation
 - f. Indications for permanent pacemaker and implantable cardioverter defibrillator
- 13. Nutrition and growth in congenital heart disease
 - a. Pathophysiology of poor growth in cardiac lesions
 - b. Issues related to overfeeding in cardiac disease
 - c. Optimising nutrition pre operatively
- 14. Paediatric cardiac and cardiopulmonary transplant
- 15. Diagnosis and management of Ischaemic heart disease
- 16. Assessment of children with cardiac problems prior to non-cardiac surgery
 - a. Anticipated problems during anaesthesia
 - b. Provide solutions for such anticipated problems
 - c. Advise on risk involved
- 17. Palliative care in severe cardiac disorders
 - a. Counselling parents
 - b. Counselling the patient if appropriate
 - c. End of life care
 - d. Decide on DNR and ethical, social, and legal issues related to it
 - e. Liaison with other team members like paediatrician, anaesthetist, intensivist and supportive organisations in end of life care
- 18. Management of GUCH
 - a. Long term medical/surgical plan and options
 - b. Problems anticipated
 - c. Counselling pregnancy, contraception, sports, psycho social issues

2. Investigations and procedures

Trainee should be able to select the appropriate investigation or procedure for the patient competently perform the procedure and interpret the results

- 1. Electrocardiogram
 - a. Standard ECG
 - b. Ambulatory ECG
 - c. Exercise ECG
 - d. Atrial electrocardiogram in post-operative patients
 - e. ECG with adenosine challenge
 - f. Loop recorder
 - a. Event recorder
- 2. DC cardioversion
- 3. Operation of a Pace maker

- 4. Chest X Ray
- 5. Echocardiography
 - a. Transthoracic
 - b. Trans oesophageal
 - c. Epicardial
 - d. With contrast
- 6. Diagnostic cardiac catheterisation
 - a. Indications for diagnostic cardiac catheterisation
 - b. Pre cath planning of procedure, hardware, anticipated problems, bail out methods
 - c. Selection of hardware and planning the procedure
 - d. Perform catheterisation and obtain relevant hemodynamic data
 - e. Perform appropriate angiography
 - f. Interpret hemodynamic data
 - q. Conclude findings and recommendations at the end of the procedure
 - h. Radiation protection during the procedure
 - i. Use of contrast
- 7. Emergency lifesaving procedures
 - a. Pericardiocentesis
 - b. Balloon atrial septostomy
 - c. Retrieval of embolised devices
- 8. Catheter based interventions
 - a. Plan, perform and interpret pre-procedure investigations
 - b. Pre-procedure echocardiographic assessment to obtain relevant information and plan the catheter intervention
 - c. Plan the procedure including necessary hardware for the procedure
 - d. Anticipate possible complications and plan out bail out strategies
 - e. Perform the procedure with the supervisor
 - i. Obtain vascular access
 - ii. Manipulate catheters successfully and safely
 - *iii.* Monitor the patient throughout the procedure for hemodynamic and rhythm anomalies and rectify them without delay
 - iv. Perform common interventions as the first operator under supervision
 - 1. Closure of PDA coil/device
 - 2. Closure of secundum ASD
 - 3. Balloon valvotomy for pulmonary stenosis
 - 4. Angioplasty for coarctation or pulmonary artery stenosis
 - v. Perform less common interventions with assistance
 - vi. Manage anticoagulation during the procedure
 - vii. Use of a snare in retrieval of dislodged hardware
 - viii. Precautions in using contrast in the setting of renal dysfunction and steps to taken

- f. Plan post-operative management
- g. Proper documentation of the procedure including complications
- h. Plan long term follow-up and drugs if indicated

9. Other skills to be acquired during the training

- a. Cardiopulmonary resuscitation including airway management
- b. Preparation of inotropes and other drugs used in cardiothoracic ICU
- c. IT knowledge and skills required for presentations, data collection and analysis
- d. Use of modern communication methods to provide better care for the patients (eg: Picture streaming for ECGs, video conferencing for echocardiography etc.)
- e. Obtain others opinion whenever needed

3. Academic dexterity in communication

Acquire all relevant competencies in communicating with parents, relatives and colleagues in the different areas of diagnosis and management of childhood cardiac disorders.

4. Teaching capabilities

Acquire skills of teaching with the ability to tone up or down to the level at which teaching is conducted with reference to the level of knowledge of the audience.

5. Proficiency in research

Proven capabilities in research and the ability to lead research teams and guide future research by junior colleagues.

6. Competence in Platform Oral Presentations

Training for Platform Oral Presentations with the use of computer based text, images, real-life photography and real-time videos etc.

7. Posters and Publications

Ability to design and present poster presentations and scientific writing for journal publications.

ANNEXURE II - PROGRESS REPORT



POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA



BOARD OF STUDY IN PAEDIATRICS MD PAEDIATRIC CARDIOLOGY

PROGRESS REPORT

Important Information

Full name of the trainee

- For each period of training all nominated supervisors are required to either complete an individual report or co-sign a report
- Training will not be certified without the final supervisor's report

TRAINEE'S DETAILS AND TRAINING POSITION

Report period from	:
Training position	:
TRAINER'S DETAILS	
Full name of trainer	:
Qualification	:
Hospital	:
Email	:

ASSESSMENT OF THE CURRENT PERIOD OF TRAINING

Please rate the trainee's performance for each topic area by placing a rating of 1-5 (or N/A) in the box next to each topic area

- **Rating Scale** 1 Falls far short of expected standards
 - 2 Falls short of expected standards
 - 3 Consistent with level of training
 - 4 Better than expected standards
 - 5 Exceptional performance

N/A Not Applicable for this training period

Medical Knowledge	
Demonstrates up-to-date knowledge required to manage patients	
Application of Medical Knowledge	
Shows ability to use the knowledge and other derived evidence based information	
Procedural Skills	
Demonstrates ability to perform practical/ technical procedures	
Interpersonal/ Communication Skills	
Demonstrates ability to communicate with patients and their families	
Clinical Judgment	
Demonstrates ability to integrate cognitive and clinical skills, and consider alternatives in	
making diagnostic and therapeutic decisions	
Responsibility	
Accepts responsibility for own actions and understands the limitations of own knowledge	
and experience	
Punctuality	
Problem Solving Skills	
Critically assesses information, identifies major issues, makes timely decisions and acts	
upon them	
Humanistic Qualities	
Demonstrates integrity and compassion in patient care	
Respect	
Shows personal commitment to honouring the choices and rights of other persons	
Moral and Ethical Behaviour	
Exhibits high standards of moral and ethical behavior towards patients and families	
Professional Attitudes and Behaviour	
Shows honesty at all times in their work, put patient welfare ahead of personal	
consideration	
Patient Management	
Shows wisdom in selecting treatment, adopt management to different circumstances	
Psychological Development	
Demonstrates ability to recognize and/ or respond to psychological aspects of illness	
Medical Care	
Effectively manages patients through integration of skills resulting in comprehensive high	
quality care	

Research Methodology	
Understands scientific methodology; participate in research studies by formulating and	
testing hypothesis and analyzing the results	
Quality Assurance	
Demonstrates ability to initiate and evaluate Quality Assurance programmes	
Record Keeping	
Maintains complete and orderly records and up-to-date progress notes	
Discharge/ Planning Summaries	
Ensues that all problems are explained prior to discharge from hospital; prepare concise	
and prompt discharge summaries	
Reports	
Complete succinct and accurate reports without delay; communicates with referring	
practitioner for continuing care	
Relationships with Medical Staff	
Maintains the respect of his/ her colleagues	
Relationships with Health Professionals	
Demonstrates ability to work well and efficiently in the health care team; values the	
experience of others	
Relationships with Clerical Staff	
Relates easily to members of staff; maintains team spirit and encourages cooperation	
Organization Skills	
Demonstrates ability to plan, coordinate and complete administrative tasks associated	
with medical care	
Self-Assessment Self-Assessment	
Accepts the limits of own competence and functions within own capabilities; seeks advice	
and assistance when appropriate; accepts criticism	
Continuing Education	
Shows a resourceful attitude towards continuing education to enhance quality of care	
	<u></u>
Please comment on any strengths and weaknesses that the trainee displayed with regard to	
the above areas	
Strengths:-	
Weaknesses:-	
Please comment on any weaknesses that the trainee displayed with regard to the above areas	ς
Thease comment on any meaninesses that the trainess displayed mannegard to the above areas	
1	



POST GRADUATE INSTITUTE OF MEDICINE UNIVERSITYOF COLOMBO, SRI LANKA INSERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



	(Case	Ba	ased [Disc	uss	ion (C	:BC))					
Trainee's name						-								
Date of	ı													
assessment(dd/mm/yyyy)	<u></u>													
Training Centre	<u> </u>													
	ı <u></u>													
Year of training:	1	2		3	4									
Clinical setting	OPD/CI	inic		In-pati	ient		Acute	e Ad	dmission		Neon	nates		
Clinical problem	Respira	tory	_ C	CVS	GI	\dashv	CNS	Ne	onates	Dev	/elop	ment	Emergency	
			\perp											
Focus of Clinical Encounter	History	History Examination		1	Diagnosis		_	ivianageme		it	Discu	ıssion		
		\perp												
Other (Please specify)	ı													
	I													
Places incort a brief clinical	cumm	25/		+ho (-250	ho	low (2.0	- 2 vo	3r 0	. hl	· /i+h	prolongos	l fobrilo
Please iliseit a priei ciinicai	Summ	ary c	υı	liie c	.dSE	bΕ) wor	e.g	,. 5 ye	ai u)IU v	NILII	prolonged	l lebille
seizure, developmental delay	and a	cute	re	spirat	ory	dist	tress)	:						
							Acute Admission Neonates CNS Neonates Development Emergency Diagnosis Management Discussion below (e.g. 3 year old with prolonged febrile distress):							

Please grade the below areas using the given scale:

Please grade the	ne belo	w areas us	ing the	e give	en sca	ale:				
Grading	Unsafe	Below Expectations	Borderline		1	expectations	-	Above Expectations	Well aboveexpect ations	Unable to comment
	F	Е	D)		С		В	Α	
History										
Clinical Assessment										
Problem identification										
Investigation										
Management										
**Overall performance	Unsa	fe Below Expect		Bor	derlir	ne	Me Exp	ets ectation	ove pectation	Well above Expectation
** Mandatory Areas of stren Action agreed	ngths/w	veaknesses		all pe	erfori	Su	gge		on CBD rovement/	further
71001011 000	. орон									
Assessor's pos	ition	: Consul	tant		Senic	or R	egis	trar		
Assessor's sign	ature	:			Asses	ssor	's N	ame :		
Trainee's comr	ments	:								
Trainee's signa	iture	:								



POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



		MINI	CLIN	IICAL E	VALUA	TION	ı (M	CE)					
Trainee's name	:												_
Date of assessment(dd/mm/yyyy)	:												
Training Centre	:												
Year of training:	:	1	2	3	4								
Clinical setting	:	OPE inic	-	In-pa	tient	Ac	ute A	Admissior	1	Neonates			
Clinical problem	:	Res		CVS	GI	CN	IS	Neon ates	De	evelopment	Emergency		
Focus of Clinical Encounter	:	Hist	ory	Exa	minatio	on	Dia	ignosis	N	Management	Discussion]
Other (Please specify)													_
Please insert a brief clinical summary and acute respiratory distress):	of the	case l	belov	v (e.g.	3 year (old w	vith p	orolonged	l fe	brile seizure,	developmenta	al dela	ay

Please grade the below areas using the given scale:

Grading Superson	Please grade t									
History Taking Communication Skills Examination Clinical Judgment Initial Management Professionalism Organizational efficiency **Overall performance Unsafe Expectation Below Expectation Borderline Expectation Meets Expectation Expectation Expectation Expectation **Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Action agreed upon:- Assessor's position: Consultant Senior Registrar Assessor's Name:	Grading				Borderline	_				Unable to comment
Communication Skills Examination Clinical Judgment Initial Management Professionalism Organizational efficiency **Overall performance **Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Assessor's position : Consultant Assessor's signature : Assessor's Name :		F	E	D		С		В	Α	
Skills Examination Clinical Judgment Initial Management Professionalism Organizational efficiency **Overall performance Unsafe Expectation Below Expectation Borderline Expectation Expectation Expectation Expectation ** Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Action agreed upon:- Assessor's position: Consultant Senior Registrar Assessor's Name:										
Clinical Judgment Initial Management Professionalism Organizational efficiency **Overall performance Unsafe Expectation Below Expectation Expectation Expectation **Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Action agreed upon:- Assessor's position: Consultant Senior Registrar Assessor's Name:	Skills									
Judgment Initial Management Professionalism Organizational efficiency Professionalism Expectation Expectation Expectation Expectation Expectation Professionalism Expectation Expectation Expectation Expectation Expectation Expectation Expectation Professionalism Organizational efficiency Organizational efficiency Professionalism Organizational efficiency Organizational efficienc	Examination									
Initial Management Professionalism Organizational efficiency **Overall performance ** Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Action agreed upon:- Assessor's position: Consultant Assessor's signature: Assessor's Name:	Clinical									
Management Professionalism Organizational efficiency	Judgment									
Professionalism Organizational efficiency **Overall Unsafe Below Expectation Borderline Expectation Expectation Expectation ** Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Suggestion for development Action agreed upon:- Assessor's position: Consultant Senior Registrar Assessor's Name:	Initial									
Organizational efficiency Below Expectation Borderline Meets Expectation Above Expectation Well above Expectation ** Mandatory: Please grade the overall performance of the trainee on MCE Areas of strength Suggestion for development Action agreed upon:- Assessor's position: Consultant Assessor's Name:										
#*Overall performance Below Expectation Borderline Meets Expectation Expectati	Professionalism									
**Overall performance Unsafe Below Expectation Borderline Meets Expectation Above Expectation Well above Expectation ** Mandatory : Please grade the overall performance of the trainee on MCE Areas of strength Suggestion for development Action agreed upon :- Assessor's position : Consultant Senior Registrar Assessor's signature : Assessor's Name :										
performance Expectation	efficiency]							
performance Expectation	The state of the s		- 1		Ι				Γ	T
** Mandatory : Please grade the overall performance of the trainee on MCE Areas of strength Action agreed upon :- Assessor's position : Consultant Senior Registrar Assessor's signature : Assessor's Name :		Unsafe			Bord	erline				
Areas of strength Action agreed upon :- Assessor's position : Consultant Senior Registrar Assessor's signature : Assessor's Name :	performance		Expecta	ation			Exp	ectation	Expectation	Expectatio
Action agreed upon :- Assessor's position : Consultant Senior Registrar Assessor's signature : Assessor's Name :	1		rade the ov	erall	perfor					
Assessor's position : Consultant Senior Registrar Assessor's signature : Assessor's Name :	Aleas of stien	guii				Juggest	1011 1	or develo	Jillellt	
Assessor's signature : Assessor's Name :										
	Action agreed	upon :-								

Trainee's signature :



teaching/training colleagues

POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



		MUI	LTI SOURC	E FEEDBAC	K (MSF)		
Trainee's name		:					
Date of assessment(dd/	mm/yyy	y) :					
Training Centre		:					
Year of training:		: :	1 2	3 4			
Length of working relation	to pro	vide a fe			· ·		
anonymous feedback and other health profe			bers of tr	ie nospitai	staff (senic	ors, peers, jun	iiors, nurses
Grading	Unsafe	Below Expectations	Borderline	Meets expectations	Above Expectations	Wellabove	Unable to comment
	F	E	D	С	В	Α	
Ability to diagnose patient problems							
Ability to formulate appropriate management plans							
Ability to manage complex patients							
Awareness of his own imitations							
Responds to psychosocial aspects of patients							
Appropriate utilization of resources e.g. ordering investigations							
Ability to coordinate patient care							
Technical skills appropriate to current practice)							
Ability to apply up-to-date 'evidence based medicine							
Ability to manage time effectively / prioritize							
Ability to deal with stress							
Commitment to learning Willingness and effectiveness when							

Postgraduate Institute of Medicine – University of Colombo

		rosig	graduate	institute of Medicii	ie – Oliiveisity	of Color	1100			
Communication	with									
carers and/or fan	-									
Ability to reco										
value the contr	ibution of									
others										
Accessibility / rel	iability									
Leadership skills										
Punctuality										
**Overall	Unsafe	Below		Borderline	Meets		Abo	ve	We	ell above
performance		Expecta	tion		Expecta	tion	Ехр	ectation	Exp	pectation
Trainer's cor					Suggestio	n for c	levelo	opment		
Assessor's p	osition	: C	Consul	tant Se	enior Regi	strar				
Assessor's si	gnature	:		A	ssessor's l	Name	:			
Trainee's co	mments	:								
Trainee's sig	nature	:								



POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



								(5.5.5)			
		DIRECT	LY O	BSERVEL	PROCI	DUR	AL SKILLS	(DOPS)			
Trainee's name		:				1		<u> </u>			
Date of assessm	ent(dd/mm										
Training Centre		:				_	Ī				
Year of training:		:	1	2	3	4		_			
Clinical setting		:	In-	patient	ETU/0	OPD	Neonat	al unit	Inte	nsive (Care Uni
Other (Please sp	ecify)						•				
Please insert a b	rief summa	ry of the pr	ocec	lure obs	erved						
Please grade th	ne below ar	eas using					, ou	suo 	٩	ons	nt to
		Unsafe	-	Below Expectations	Borderline		Meets Expectation	Above Expectation	eyode lleW	Expectations	Unable to comment
		F		E	D		С	В		Α	
Demonstrates unde indications relevant anatomy, to procedure Obtains informed co	echnique of										
Demonstrate appro											
oreparation ore-procedure	P11010										
Appropriate anaesthedation	nesia/										
Technical ability											
Aseptic technique											
seeks help where ap	propriate										
ost procedure mar	agement										
Communication skil	ls										
Consideration of par professionalism Overall ability to pe	onsideration of patient/ rofessionalism										
procedure	101111										
**Overall Ur	ısafe	Below		Border	line	Mee	ets	Above		Well	above
performance		Expectati	on			Ехре	ectation	Expectat	ion	Expe	ctation

** Mandatory for the trainer to complete

Trainer's comments:		Suggestion for development	
Action agreed upon			
Assessor's position	: Consultant S	enior Registrar	
Assessor's signature	: A	sssessor's Name :	
Trainee's comments	:		
Trainee's signature	:		



POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



ASSESSMENT OF TEACHING SKILLS								
Trainee's name								
Date of assessment(dd/mm/yyyy)								
Training Centre			1					
Year of training								
Clinical setting	In-pat	ient	ETU/C	PD	Neonatal unit	Intensive Care unit		
Other (Please specify)					I			
Please insert a brief summary of the tea	ching sk	cill assess	sed					

Please grade the below areas using the given scale:

	Unsafe	Below Expectations	Borderline	Meets expectations	Above Expectations	Well above expectations	Unable to comment
	F	E	D	С	В	Α	
Clarity and Organization (all sessions)						
Presents material in a							
logical sequence							
Summarizes major							
points of lesson							
Method of							
communication medium							
Demonstration of							
physical signs							
Effective communication		T	T		1	T	
Projects voice clearly,							
with intonation; easily							
heard							
Demonstrates and							
stimulates enthusiasm							
Varied explanations for							
complex and difficult							
scenarios							

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material, using examples to clarify points										
Defines unfamiliar										
terms, concepts and										
principles										
Listens to students'										
questions and										
comments										
Interaction with students										
Information up-to-date										
Demonstrates advanced										
preparation for teaching										
sessions										
			1							
**Overall	Below		Bord	erline	Meets		Above		Well ab	ove
performance	Expectat	tion			Expecta	tion	Expecta	ation	Expecta	ation
-					-		_			
** Mandatory for the	trainer to	com	plete							
Areas of strength				S	uggestior	n for	developn	nent		
Action agreed upon										
Assessor's position	Consult	tant			Senior Re	gistra	r [
Assessor's signature				Assesso	r's Name	: _				
Trainee's comments										
Trainee's signature										



POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



		COM	IMUNIC	CATIO	N SKII	LLS				
Trainee's name										
Date of										
assessment(dd/mm/yyyy)										
Training Centre							I			
Year of training:										
<u> </u>				<u> </u>		_		Intensiv	e Care	
Clinical setting	In-pat	ient	ETU/C	OPD	Neo	natal uni	it	unit		
Other (Please specify)										
	I									
Please insert a brief	summary	of the	comm	unicat	ion so	enario a	ssess	ed		
	·									
Please grade the below ar	eas usin	g the	given s	scale:						
						(A)		٠,	σ.	
	Ð	>	Expectations	2.	ב ב	Meets Expectations		Above Expectations	Well above Expectations	t t
	Unsafe	Relow	tat	2000	_	Meets		Above pectatio	abo	Unable to comment
	5	A A	a be	2	5	∑ ≥d	,	Ak pec	/ell	Jna
			Ж			ă		Š	> 🖺	
	F		E	С)	С		В	Α	
Conduct of Interview		ı		I						
Introduction, clarifies role										
Rapport										
Empathy and respect										
Appropriate explanation and neg	otiation									
Clear explanation, no jargon	ociacion									
Assessment prior knowledge of										
patient										
Appropriate questioning style										
Explores and responds to										
concerns and feelings										
Summarises and checks										
understanding										
Offer support and plan the										
management										
Time for questions										
Accuracy of information given		•		•			1		•	•
Appropriate selection of										
information										
Accuracy of information			_							

Postgraduate Institute of Medicine – University of Colombo

**Overall performance	Below Expectation	Borderline	Meets Expectation	Above Expectation	Well above Expectation
performance	Expectation		LAPCOLUCION	Expectation	Expectation
** Mandatory for the	trainer to com	plete			
Areas of strength		-	Suggestion for (development	
Action agreed upon					
, tettori agreea apori					
Assessor's position	Consultant		Senior Registra	r	
Assessor's signature		Assesso	or's Name :		
	-	 -			
Trainee's comments					
Trainee's signature					
Tramice 3 Signature					



questions addressed?

POSTGRADUATE INSTITUTE OF MEDICINE UNIVERSITY OF COLOMBO, SRI LANKA IN SERVICE TRAINING ASSESSMENT MD PAEDIATRIC CARDIOLOGY



	Discl	narge S	umma	aries,	Referra	als & Lo	etters ([OSRL)			
Trainee's name											
Date of											
assessment(dd/mm/yyyy)											
Training Centre			1					_			
Year of training:											
real of training.									lasta a	-: C	
Clinian and a		In-pat	ient	ETU	/OPD	Neo	natal un	it		sive Care	
Clinical setting									unit		
Other (Please specify)											
Please insert a brief summar	y of th	ne scen	ario a	ssesse	ed						
Please grade the below area	ıs usir	g the g	iven s	scale:						I	
	Unsafe		Below Expectations		Borderline		Meets Expectations	Above	Expectations	Well above Expectations	Unable to comment
	F		Е		D		С		В	Α	
Problem List										_	
Is there a medical problem list?											
Are any obvious and significant											
problems omitted?											
Are any irrelevant problems											
listed?											
History						•		•			•
Is there a record of the family's											
current concerns being sought											
of clarified?											
Is the document history											
appropriate to the problems											
and questions?											
Examination											
Is the documented examination											
appropriate to the problems											
and questions?											
Overall assessment											
Is the current state of health or											
progress clearly outlined?											
Are the family's problems or											
questions addressed?											
Is/are the referring doctor's											

Is a clear plan of in	_										
or non-investigation											
Are the reasons fo											
plan adequately ju											
Are all the known											
or absence of trea	ilment,										
recorded clearly? Are all the doses of	learly stated										
in formal units?	ilearly stated										
Is adequate justifi	cation given										
for any changes to	treatment?										
Is there an adequa											
information share	d with the										
family?											
Follow up											
Is it clear whether											
hospital follow-up											
Is the purpose of f											
adequately justifie	ed ?										
Clarity											
Is there much unn	ecessary										
information?											
Does the structure	e of the letter										
flow logically?											
Are there any sent	tences you do										
not understand?											
,	1					1					
**Overall	Below		Bor	derl	ine	Meets		Ab	ove	Wella	bove
**Overall performance	Below Expectatio	n	Bor	derl	ine	Meets Expecta	tion	_	ove ectation	Well a	
		n	Bor	derl	ine		tion	_			
		n	Bor	derl	ine		tion	_			
	Expectatio						tion	_			
performance	Expectation y for the train					Expecta		Ехр			
performance ** Mandator	Expectation y for the train					Expecta		Ехр	ectation		
performance ** Mandator	Expectation y for the train					Expecta		Ехр	ectation		
** Mandator Areas of stren	Expectation y for the trainingth					Expecta		Ехр	ectation		
performance ** Mandator	Expectation y for the trainingth					Expecta		Ехр	ectation		
** Mandator Areas of stren	Expectation y for the trainingth					Expecta		Ехр	ectation		
** Mandator Areas of stren	Expectation y for the trainingth	iner t	о со	mplo		Suggest	ion for	deve	ectation		
** Mandator Areas of stren	Expectation y for the trainingth		о со	mplo		Suggest		deve	ectation		
** Mandator Areas of stren	Expectation y for the trainingth	iner t	о со	mplo		Suggest	ion for	deve	ectation		
** Mandator Areas of stren	y for the traingth	iner t	о со	mplo	ete	Suggest	ion for	deve	ectation		
** Mandator Areas of stren Agreed action Assessor's pos	y for the traingth	iner t	о со	mplo	ete	Suggest	ion for	deve	ectation		
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** Mandator Areas of stren Agreed action Assessor's pos Assessor's sign Trainee's comi	y for the traingth ition (atture)	iner t	о со	mplo	ete	Suggest	ion for	deve	ectation		
** Mandator Areas of stren Agreed action Assessor's pos Assessor's sign	y for the traingth ition (atture)	iner t	о со	mplo	ete	Suggest	ion for	deve	ectation		
** Mandator Areas of stren Agreed action Assessor's pos Assessor's sign Trainee's comi	y for the traingth ition (atture)	iner t	о со	mplo	ete	Suggest	ion for	deve	ectation		

ANNEXURE IV - PORTFOLIO

Content of the portfolio should encompass all of learning outcomes mentioned below and contains evidence of achievement of these outcomes by the trainee.

- 1. Subject expertise
- 2. Teaching
- 3. Research and Audit
- 4. Ethics and medico legal issues
- 5. Information technology
- 6. Lifelong learning
- 7. Reflective practice

Subject expertise

- Progress reports from supervisors on a prescribed format
- ISTA forms
- Log of procedures carried out
- This section must include evidence that the trainee has acquired the essential knowledge, skills and competencies related to the subspecialty

Teaching

- Undergraduates
- Postgraduates
- Ancillary health staff

Research and audit relevant to specialty or subspecialty

- Research papers published
- Abstracts of presentations

Ethics and Medico – legal issues

- Completed Professionalism Observation Forms(from integrated learning component of Professionalism Strand)
- Completed PTR forms

PTR forms (*Refer General Paediatric Prospectus*) should be completed according to the instructions and submitted to the PGIM every six months by the trainee. A satisfactory PTR report is a requirement for PBCA.

Information technology

- Participation in training programmes /workshops
- Evidence of searching for information and application of findings in practice

Life-long learning

• Participation in conferences and meetings

<u>Reflective practice</u> the fundamental basis of Portfolio maintenance is reflective practice which is an important tool in postgraduate training.

Reflective practice consists of:-

Focused self-assessment

Reflecting on experience

Reflecting on strengths, weaknesses and areas for development

Design of own strategies that leads to improvement in practice

Narration of at least one learning event experienced by the trainee, in relation to each
of the above outcomes, with reflection on what and how the trainee learned from this
experience.

The trainee is expected to continue updating the portfolio during the local and foreign training.

Prior to the Pre-Board Certification Assessment (PBCA), a panel of two examiners appointed by the BOS will assess the completed portfolio. A satisfactory Portfolio Assessment Report is a mandatory requirement for the PBCA.

For further details refer General Paediatrics Prospectus.

Portfolio Assessment Report

Subject expertise, teaching, research and Audit, ethics and medico legal issues, information technology and lifelong learning will be assessed according to the rating scale mentioned below.

	Marks/10
Fail	3
Borderline	4
Pass	5
Good pass	6
Excellent pass	7+

Reflective practice will be assessed according to the following rating scale given below.

		Marks/10
Fail	Has not completed Reflective cycle	3
Borderline	Has only described the learning experience	4
Pass	Analysed the reasons for the experience & the reasons for outcome	5
Good Pass	Evaluated how the outcome could have been different if a different course of action was taken	6
Excellent Pass	Provided high quality evidence for implementing changes	7+