Master's Degree in Pediatrics

Logbook — Program Code: PEDI600

Department of Pediatrics and Neonatology

Candidate Name:	
Registration Number:	
Year of Enrolment:	
Supervisor:	

Head of Department Approval of Exam Entry	Name: ..... Signature: ..... Date: .....

Requirements: Fulfillment of ≥75% of listed activities AND satisfactory attainment of minimum competency standards (Section 2) are eligibility criteria for entry into the 2nd part examination.

Faculty of Medicine, Capital University | 2025–2026

Document Control

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1. Program Overview and Candidate Information

1.1 Program Mission

The MSc Pediatrics program at the Faculty of Medicine, Capital University, is committed to producing competent, ethical, and reflective specialist pediatricians who are equipped to deliver evidence-based, patient-centered care to children and their families in the Egyptian, regional and international health context. The program fosters advanced clinical competence, critical appraisal skills, research literacy, and a commitment to lifelong professional development. It prepares graduates to contribute meaningfully to improving child health outcomes at institutional, national, and community levels, in alignment with our national health priorities and the values of the Egyptian Medical Syndicate with international standards alignment.

1.2 NAQAAE Competency Framework

All program activities, assessments, and learning outcomes are mapped to the following six NAQAAE competency domains:

Domain	Area	Description
I	Clinician	Applies knowledge of clinical sciences to provide expert, ethical, evidence-informed clinical care to pediatric patients
II	Communicator	Communicates effectively with patients, families, and the healthcare team across all clinical contexts
III	Collaborator	Functions effectively within multidisciplinary healthcare teams; contributes to team-based care
IV	Scholar & Scientist	Applies principles of evidence-based medicine; contributes to research; teaches and mentors junior colleagues
V	Professional	Demonstrates integrity, compassion, accountability, and respect in all professional interactions
VI	Lifelong Learner	Takes responsibility for self-directed professional development; reflects on practice; leads improvement

1.3 Candidate Information

Program Duration	Two academic years (full-time). Maximum 5 years from enrolment.
Supervision	Primary supervisor & co-supervisor assigned within 3 mo. of enrolment. Formal supervisory meeting minimum/8 weeks documented in the logbook
Examination Eligibility	(1) ≥75% completion of all listed logbook activities; AND (2) Satisfactory rating on all six competency domains at the mid-program evaluation; AND (3) Head of Department written approval.
Appeals	Written appeal to the Departmental Postgraduate Committee within 14 days of any decision. Escalation to the Faculty Board if unresolved. Outcome documented in the candidate's record.
Supervisor Eligibility	Full-time faculty, minimum rank of Lecturer (MD); approved by Program Director; current faculty development participation.

2. Competency Assessment Rubric

All logbook entries and formal evaluations use this six-domain rubric. Each domain scored 0-3. A total of ≥12 out of 18 (Satisfactory across all domains) is required for examination eligibility.

Competency Domain (NAQAAE)	Unsatisfactory (0-1)	Satisfactory (2)	Excellent (3)	Score
1. Pre-Procedural Preparation & Safety (I)	Fails to verify patient identity, perform hand hygiene, or check safety checklists	Correctly identifies patients, observes hygiene, gathers equipment	Flawlessly executes safety protocols; anticipates complications	/3
2. Technical Execution of Procedure (I)	Requires constant prompts; steps out of sequence; risks harm	Performs systematically and safely with minimal guidance	Fluid autonomous mastery; manages anatomical variations confidently	/3
3. Post-Procedural Care & Documentation (I)	Neglects post-procedure monitoring; fails to write progress notes	Disposes of waste safely, monitors patient, records accurate notes	Comprehensive post-procedural orders; counsels caregivers thoroughly	/3
4. Communication & Counselling (II)	Uses jargon; fails to address parental concerns; poor rapport	Communicates clearly; checks understanding; addresses parental questions	Tailors communication to developmental stage and family needs; uses interpreters	/3
5. Professionalism & Ethics (V)	Disrespectful; violates confidentiality; avoids responsibility	Behaves respectfully; maintains appropriate boundaries; acknowledges limits	Models exemplary conduct; advocates for patient welfare; ethical reasoning in complex situations	/3
6. Scholarship & Evidence-Based Practice (IV)	Cannot locate or critically appraise evidence; decisions not evidence-informed	Identifies relevant evidence; applies current guidelines; seeks guidance when uncertain	Critically appraises primary literature; contributes evidence synthesis to clinical rounds	/3
TOTAL	**Unsatisfactory: 0–7**	**Satisfactory: 8–13 (minimum for eligibility: ≥12)**	**Excellent: 14–18**	**/18**

3. Grand Clinical Round Attendance

Minimum number required: 15

No.	Date	Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

4. General Pediatrics Outpatient Clinic Attendance

Minimum number required: 30

N	Date	Number of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

5. Pediatric Specialty Cases

Minimum number required: 4 different cases per specialty

Nutrition

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Genetics / Dysmorphism

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Hematology & Oncology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Chest & Asthma

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Cardiology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Gastroenterology & Hepatology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Neurology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Endocrinology & Diabetes

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Rheumatology & Immunology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Nephrology

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

Infectious Diseases

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

General Pediatrics

N	Date	Description of Cases Seen	Supervisor Name	Supervisor Signature
1				
2				
3				
4				

6. Emergency Attendance

Minimum number required: 10 different cases

No	Date	Description of Cases Seen	Intervention (U/S/E)	Supervisor	Signature
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

U = Unsatisfactory | S = Satisfactory | E = Excellent

7. PICU Attendance

Minimum number required: 10 interventions

No	Date	Description of Cases Seen	Intervention (U/S/E)	Supervisor	Signature
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

U = Unsatisfactory | S = Satisfactory | E = Excellent

Required PICU Case Categories:

Category of Cases	Minimum Required
Cardio-respiratory arrest	2
Shock	3
Respiratory failure	2
Sepsis	3
Poisoning and drug overdoses	2
Coma	2
Status epilepticus	2

8. NICU Attendance

Minimum number required: 10 interventions

No	Date	Description of Cases Seen	Intervention (U/S/E)	Supervisor	Signature
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

U = Unsatisfactory | S = Satisfactory | E = Excellent

Required NICU Case Categories:

Category of Cases	Minimum Required	Category of Cases	Minimum Required
Normal newborn	8	Seizures	2
Respiratory distress	5	Floppy baby	1
Cyanosis	7	Feeding difficulties/vomiting	2
Jaundice	7	Surgical problems of the newborn	1
Apnea	2	Stridor	1
Prematurity	2	Bronchopulmonary dysplasia	1

9. DOPS Log (Direct Observation of Procedural Skills)

Assessed using the 6-domain competency rubric. Record U/S/E for each observed instance.

Skill (Min. occurrences)	N	Date	Unsatisfactory	Satisfactory	Excellent	Supervisor Name & Signature
Measurement of weight, length/height, BMI calculation (4)	1					
	2					
	3					
	4					
Intravenous cannulation (4)	1					
	2					
	3					
	4					
Otoscope examination (2)	1					
	2					
Orchidometer use (2)	1					
	2					
Nasogastric tube placement (3)	1					
	2					
	3					
Urinary catheter (male/female) (2)	1					
	2					
Adjustment of fluid therapy (4)	1					
	2					
	3					
	4					
Blood transfusion management (3)	1					
	2					
	3					
Plain X-ray interpretation (3)	1					
	2					
	3					

Skill (Min. occurrences)	N	Date	Unsatisfactory	Satisfactory	Excellent	Supervisor Name & Signature
ECG interpretation (4)	1					
	2					
	3					
	4					
Blood gas reading (4)	1					
	2					
	3					
	4					
Lumbar puncture (2)	1					
	2					
Neonatal resuscitation (4)	1					
	2					
	3					
	4					
Umbilical catheterization (2)	1					
	2					
Adjustment of ventilation settings (NICU) (3)	1					
	2					
	3					
Adjustment of ventilation settings (PICU) (3)	1					
	2					
	3					
Endotracheal intubation (2)	1					
	2					
Intercostal tube insertion (2)	1					
	2					

10. Special Investigations and Interventions Attendance

Minimum number required: 5 different occasions

Investigation / Procedure	Date	Diagnosis of Case Seen	Supervisor Signature
ECG			
GI Endoscopy			
Echocardiography			
Pulmonary Functions			
Bronchoscopy			
Renal Dialysis			

11. Case Presentation with Review Article

Minimum number required: 3 different topics

N	Date	Title / Specialty / NAQAAE Domain	Supervisor Signature
1			
2			
3			

12. Thesis and Seminar Attendance

Minimum number required: 5 (thesis seminars, departmental seminars, or journal clubs)

N	Date	Thesis Title / Seminar Topic / Venue	Supervisor Signature
1			
2			
3			
4			
5			

13. Special Courses

All four courses are mandatory for examination eligibility.

Training Activity	Date Completed	Instructor / Centre	Certificate / Signature
Neonatal Resuscitation Program (NRP)			
STABLE Course			
Pediatric Basic Life Support (PBLS)			
Pediatric Advanced Life Support (PALS)			
Research/methodology workshops			

14. Multi-Source Feedback (360° Assessment)

Minimum 1 completed MSF per academic year. The candidate distributes forms to at least 3 raters (supervisor, senior colleague, nursing staff lead) and collects completed forms for submission.

Candidate Name	
Assessment Period	

Statement	1 Rarely	2 Sometimes	3 Usually	4 Almost Always	5 Always
Treats patients and families with respect and compassion	☐	☐	☐	☐	☐
Communicates clearly and effectively in clinical settings	☐	☐	☐	☐	☐
Is reliable, punctual, and prepared for clinical duties	☐	☐	☐	☐	☐
Responds appropriately to feedback and criticism	☐	☐	☐	☐	☐
Works collaboratively & supports the team	☐	☐	☐	☐	☐
Demonstrates ethical conduct and professional integrity	☐	☐	☐	☐	☐
Acknowledges limitations and seeks help when needed	☐	☐	☐	☐	☐
Takes initiative in self-directed learning and improvement	☐	☐	☐	☐	☐

Rater Name & Role: ……

Signature: …… Date: ……

MSF Supervisor Summary

Number of Raters Who Responded	
Overall Strengths Identified	
Priority Development Areas	
Agreed Action Plan	
Supervisor Signature & Date	
Candidate Acknowledgement & Date	

15. Quarterly Thesis Progress Review

Quarter / Date	Thesis Stage	Progress Notes / Challenges	Supervisor Signature

16. Activities Beyond Mandatory Courses (CPD)

Date	Activity Title	Provider / Organizer	CPD Hours / Certificate

CPD: Continuing Professional Development

17. Reflective Practice

Minimum 2 entries per academic year (one per semester). Maximum 200 words per entry.

Date	Reflection -What happened? What did I learn? What will be changed?	Supervisor Initials

18. Candidate Competency Evaluations

Formal evaluations will be held biannually. Evaluation & re-evaluation will be performed in alignment to all six NAQAAE competency domains.

First Candidate Evaluation

Candidate	
Supervisor	
Date of Evaluation	
Training Period Covered	

Competency Domain Ratings:

	Domain	Unsatisfactory	Satisfactory	Excellent	Supervisor Comments
I	Clinician	☐	☐	☐	
II	Communicator	☐	☐	☐	
III	Collaborator	☐	☐	☐	
IV	Scholar & Scientist	☐	☐	☐	
V	Professional	☐	☐	☐	
VI	Lifelong Learner	☐	☐	☐	

Agreed Learning Objectives for Next Period	
Timeline for Achieving Objectives	
Candidate Comments	
Supervisor Comments	
Date of Next Meeting	
Candidate Signature & Date	
Supervisor Signature & Date	

Second Candidate Evaluation

Candidate	
Supervisor	
Date of Evaluation	
Training Period Covered	

Competency Domain Ratings:

	Domain	Unsatisfactory	Satisfactory	Excellent	Supervisor Comments
I	Clinician	☐	☐	☐	
II	Communicator	☐	☐	☐	
III	Collaborator	☐	☐	☐	
IV	Scholar & Scientist	☐	☐	☐	
V	Professional	☐	☐	☐	
VI	Lifelong Learner	☐	☐	☐	

Agreed Learning Objectives for Next Period	
Timeline for Achieving Objectives	
Candidate Comments	
Supervisor Comments	
Date of Next Meeting	
Candidate Signature & Date	
Supervisor Signature & Date	

Re-Candidate Evaluation

Candidate	
Supervisor	
Date of Evaluation	
Training Period Covered	

Competency Domain Ratings:

	Domain	Unsatisfactory	Satisfactory	Excellent	Supervisor Comments
I	Clinician	☐	☐	☐	
II	Communicator	☐	☐	☐	
III	Collaborator	☐	☐	☐	
IV	Scholar & Scientist	☐	☐	☐	
V	Professional	☐	☐	☐	
VI	Lifelong Learner	☐	☐	☐	

Agreed Learning Objectives for Next Period	
Timeline for Achieving Objectives	
Candidate Comments	
Supervisor Comments	
Date of Next Meeting	
Candidate Signature & Date	
Supervisor Signature & Date	

Re- Candidate Evaluation

Candidate	
Supervisor	
Date of Evaluation	
Training Period Covered	

Competency Domain Ratings:

	Domain	Unsatisfactory	Satisfactory	Excellent	Supervisor Comments
I	Clinician	☐	☐	☐	
II	Communicator	☐	☐	☐	
III	Collaborator	☐	☐	☐	
IV	Scholar & Scientist	☐	☐	☐	
V	Professional	☐	☐	☐	
VI	Lifelong Learner	☐	☐	☐	

Agreed Learning Objectives for Next Period	
Timeline for Achieving Objectives	
Candidate Comments	
Supervisor Comments	
Date of Next Meeting	
Candidate Signature & Date	
Supervisor Signature & Date	

Program Evaluation Form

Complete this form at the conclusion of your MSc Pediatrics program. Responses are anonymous and submitted to the Quality Assurance Unit for program improvement.

Section I — Individual Information

Graduate of Capital University?	Yes / No
Years to complete MSc:	
Year studies began:	
Current position after MSc:	

Section II — Program Quality (1 = Strongly Disagree → 5 = Strongly Agree)

Statement	1 SD	2 D	3 N	4 A	5 SA
The program prepared me well for independent specialist pediatric practice	☐	☐	☐	☐	☐
Clinical rotations (wards, PICU, NICU, clinics) provided adequate breadth of exposure	☐	☐	☐	☐	☐
The case-mix was appropriate for developing specialist competency	☐	☐	☐	☐	☐
Supervision was adequate in quality and frequency throughout the program	☐	☐	☐	☐	☐
Formative feedback was specific, actionable, and timely	☐	☐	☐	☐	☐
The logbook activities were relevant and useful for tracking my development	☐	☐	☐	☐	☐
The research component and thesis supervision were well-supported	☐	☐	☐	☐	☐
My communication and professionalism skills were actively developed during training	☐	☐	☐	☐	☐
Ethical issues in pediatric practice were adequately addressed	☐	☐	☐	☐	☐
I feel confident in my ability to provide independent pediatric specialist care	☐	☐	☐	☐	☐

Section III — Open-Ended Questions

Greatest strengths of this program:
Aspects most in need of improvement:
Significant gaps in clinical exposure, supervision, or research support (please specify):
What changes would best prepare future candidates for independent practice:
Additional comments:

Section IV — Net Promoter Score

On a scale of 0–10, how likely are you to recommend this MSc Pediatrics program to a colleague? (0 = Not at all likely | 10 = Extremely likely)

0	1	2	3	4	5	6	7	8	9	10
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐