

ELECTIVES IN PEDIATRICS (2022 BATCH MBBS)

PED1 Pediatric Emergencies	Dr Nithya
PED2 Pediatric Intensive Care	Dr Deepa Anirudhan
PED3 Pediatric Hematology	Dr Deepthi
PED4 Early intervention in childhood disability	Dr Reshmi
PED5 Control the asthma epidemic in children	Dr Nisha Narendran

PED1 Emergency Paediatrics

Name of Block	Block II
Name of Elective	PED1 Emergency Paediatrics
Location of hospital lab/research facility	Paediatric Casualty, Triage area, Observation room, DTU(Diarrhoea Treatment Unit) , Emergency ICU& casualty lab.
Name of internal preceptor(s)	Dr .Nithya, Assistant Professor, Dept of Pediatrics
Name of external preceptor(s) if applicable	Dr Janaki Menon, Professor in Pediatrics
Learning objectives of electives	<ol style="list-style-type: none"> 1. Identification of a sick child and sick Newborn 2. IMNCI strategies and triaging 3. Stabilization and approach to outpatient management of common Paediatric complaints like fever, pain , injuries, seizures, breathlessness, rashes etc, 4. Focused history taking and clinical examination. 5. Basic life support training. 6. Using the laboratory
Number of students that can be accommodated in this elective	Four
Prerequisites for elective	<ol style="list-style-type: none"> 1. Basic knowledge in Paediatrics
Learning resources for students	<ol style="list-style-type: none"> 1. OP Gai, Textbook of Paediatrics 2. Nelsons Textbook of Paediatrics 3. IAP Textbook on Basic Life Support 4. IMNCI strategies of WHO/UNICEF

List of activities of student participation	<ol style="list-style-type: none"> 1. Work with preceptors, Duty medical officers, senior residents, residents and house surgeons. 2. Post admission follow up of the patients in ward / PICU . 3. Assist in monitoring of sick patients 4. Record vital signs 5. Interpretation of basic laboratory tests and rationale for each tests. 6. Observe/assist/perform under supervision procedures needed in treatment of sick child. 7. Observe the counselling and communication session for parents. 8. Participate in educational activities in the department of Paediatrics 9. Present weekly topics
Portfolio entries required	<p>Documentation with reflective writing,</p> <ol style="list-style-type: none"> 1. Case record -5 cases per day 2. Academic presentations made - 2 during 2 weeks 3. Case presentation on rounds 4. Procedures observed/assisted/done under supervision 5. Patient/relatives counselling
Log book entry required	<ol style="list-style-type: none"> 1. Cases seen: 10 per day 2. Academic presentations made - 2 per elective 3. Case presentation done at follow up rounds - 1 per day 4. Documentation of procedures done (O/A/P) 5. Attendance during counselling sessions- 2 per day
Assessment	<p>Formative:</p> <ol style="list-style-type: none"> 1. Attendance 2. Daily participation in departmental academic activity 3. Performance of assigned tasks (DOPS) 4 tasks 4. Presentation of worked up case in department (mini CEX) 2 cases 5. 360 degree assessment
Other comments	<p>The learner is expected to spend at least 8 hours in a day in the Paediatric casualty. 75% attendance is mandatory for successful completion of the elective</p>

Name of Block	Block II
Name of Elective	PED2 Pediatric Intensive Care
Location of hospital lab/research facility	Pediatric ICU - 10 bedded
Name of internal preceptor(s)	Dr Deepa Anirudhan, Associate Professor, Dept of Pediatrics
Name of external preceptor(s) if applicable	Dr Janaki Menon, Professor in Pediatrics
Learning objectives of electives	<ol style="list-style-type: none"> 1. To be able to assess the physiological status of a critically ill child- PALS Algorithm 2. To learn how to monitor and document vital signs, fluid status, sensorium, of a critically ill child 3. To understand team dynamics in the ICU setting 4. To learn procedural skills needed to manage a critically ill child like IV cannulation. NG tube insertion, Urinary catheterisation, Bag and mask ventilation etc. 5. To communicate bad news empathetically to relatives of a critically ill child
Number of students that can be accommodated in this elective	Four
Prerequisites for elective	<ol style="list-style-type: none"> 1. Basic knowledge in universal precautions 2. BLS course completion 3. HBsAg vaccination should be mandatorily completed
Learning resources for students	<ol style="list-style-type: none"> 1. The Harriet Lane Handbook, 22nd edition 2. Institutional protocol for PICU care
List of activities of student participation	<ol style="list-style-type: none"> 1. Work with preceptors 2. Join rounds daily with active participation 3. Assist in monitoring of sick patients 4. Observe/assist/perform under supervision procedures needed in treatment of critically ill patients 5. Observe the counselling session for relatives daily 6. Participate in educational activities in the PICU 7. Present 2 topics in PICU one week apart

Portfolio entries required	Documentation with reflective writing, 1. Case record 1 case per day 2. Academic presentations made - 2 during 4 weeks 3. Attend PICU rounds 4. Procedures observed/assisted/done under supervision 5. Patient/relatives counselling
Log book entry required	1. Cases seen: 2 per day 2. Academic presentations made - 2 per elective 3. Case presentation on rounds - 1 per week 4. Documentation of procedures done (O/A/P) 8 5. Attendance during counselling sessions 8
Assessment	Formative: 1. Attendance 2. Daily participation in departmental academic activity 3. Performance of assigned tasks (DOPS) 4 tasks 4. Presentation of worked up case in department (mini CEX) 2 cases 5. 360 degree assessment
Other comments	The learner is expected to spend at least 8 hours in a day in the PICU 75% attendance is mandatory for successful completion of the elective

PED3 Paediatric Haematology

Name of Block	Block II
Name of Elective	PED3 Paediatric Haematology
Name of Faculty	Dr Ajithkumar V T, Professor and HOD , Department of Paediatrics Dr Deepthi R, Assistant Professor, Department of Paediatrics
Learning Objective	To learn about various haematological disorders affecting paediatric age group with emphasis on haemolytic anaemias and haemophilia

Number of students that can be accommodated	2
Prerequisites for elective	Basic knowledge and interest in Haematology
Learning Resources for students	Textbook of Paediatrics, O.P Ghai Nelson Book Of Paediatrics
List of activities for student participation	<ol style="list-style-type: none"> 1. Attend Haematology clinic: Observing different haematological cases coming to OPD, administration of injection Emicizumab, factor concentrate and follow up of patients 2. Attend Clinical Pathology lab : Preparation and examination of peripheral smear, observing factor assay and inhibitor screening procedures 3. Seeing hematological cases admitted in ward and case discussion by faculty 4. Observing procedures such as peripheral smear preparation, bone marrow aspiration, setting up of blood transfusion, calculation and administration of Factor concentrates in different types of bleed from ward and casualty 5. Visit to blood bank: Observing blood grouping, component separation, blood donation 6. Attend counselling sessions and follow up of chronic patients 7. Brief session on physiotherapy for hemophilia patients 8. Topic presentation on various haematology cases.
Portfolio entries required	<p>Case record entry :</p> <ol style="list-style-type: none"> 1. 1 clinical case per day from paediatric ward 2. Learning points from topic presentation. 3. Clinical profile of patients seen in haematology clinic (Mini research project) 4. Reflection and learning points from Haematology lab visit 5. Reflection and learning points from Blood bank visit. 6. Procedures observed .
Assessment	<p>Attendance</p> <p>Formative :</p> <ul style="list-style-type: none"> • Case presentation

	<ul style="list-style-type: none"> • Topic presentation • Final assessment based on case presentation • Peripheral Smear Preparation.
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PED4 Early intervention in childhood disability

Name of Block	Block 2
Name of the elective	PED4 Early intervention in childhood disability
Location of hospital	Regional Early Intervention Centre, GMC, Thrissur
Name of the internal preceptor	Dr Janaki Menon
Name of the external preceptor	Dr Reshmi Prabhakaran
Learning objectives	<ol style="list-style-type: none"> 1. To understand the concept of early detection of disabilities and early intervention. 2. To study the process of high risk newborn follow up and early stimulation 3. To identify the types of childhood disability 4. To understand the concept of team work in neurodevelopmental follow up and intervention
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Basic knowledge of growth and development
Learning resources for students	<ol style="list-style-type: none"> 1. Setting up District Early intervention Centres-Operational guidelines- Ministry of Health and Family Welfare 2014 2. Handbook on Early Intervention Centres for Children with disabilities-Ministry of Social Justice & Empowerment – GOI 3. Ghai Essential Pediatrics 10th Ed
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend 2 SNCU follow up OPs , learn early detection and early intervention 2. Take case history along with REIC M O and follow up at least 5 children with disability attending REIC through various therapy sessions 3. Attend one group therapy session 4. Visit SNCU with the team 5. Present one topic 6. Participate in special day observances and educational activities and prepare a report
Portfolio entries required	Documentation <ol style="list-style-type: none"> 1. Case reports of 5 children with disability attending REIC

	<ol style="list-style-type: none"> 2. Reflective writing on visit to SNCU 3. Report with pictures of special day observances 4. Participation in the academic activities – At least 1 topic presentation 5. Reflective writing on the team work in REIC 6. Report on the conduct of SNCU follow up OP, evaluation of babies and early stimulation
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 5 per elective 2.Academic presentations made – 1 per elective 3.Development and neurological assessment of 5 babies in SNCU follow up OP 4.Visit to SNCU 5.Attendance during group therapy sessions 6.Participation in special day observances
Assessment	<ol style="list-style-type: none"> 1.Attendance 2.Daily participation in REIC activities 3.Topic presentation 4.Mini CEX of 1 case 5. OSCE- Counseling of one parent 6.360 degree assessment
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

PED5 Control the asthma epidemic in children

Name of Block	Block 2
Name of the elective	PED5 Control the asthma epidemic in children
Location of hospital	Asthma clinic , GMC Thrissur
Name of the internal preceptor	Dr.Nisha Narendran
Name of the external preceptor	Dr. Bindusha S
Learning objectives	<ol style="list-style-type: none"> 5. To understand the concepts of pathophysiology and GINA management guidelines of asthma & under-five wheeze 6. To study the inhaler therapy in long term asthma management 7. To study aerosol therapy and management of acute flare up of asthma 8. To understand the practice of monitoring and assessment of asthma 9. To practice directed history taking in asthma and to counsel patients with environmental control measures
Number of students that can be accommodated in this elective	2

Prerequisites for elective	Concepts on asthma and pulmonary function learnt from Physiology
Learning resources for students	<ol style="list-style-type: none"> 4. Essential Pediatrics –O P Ghai 9th edn 5. GINA guidelines 2025 (updated version available free on net, every year)
List of activities of student participation	<ol style="list-style-type: none"> 7. Take and write case history of 4 cases in ward – directed allergy history / environmental history /examination / write plan of management and environmental counselling 8. Attend OP / asthma clinic – assess 4 children for asthma control (1 GINA tool / 3 ACT or c-ACT) 9. Present one case fully with management plan 10. Participate in special day observance and /or at least one patient counselling session with MO / SR.
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> 7. 5 cases in ward in detail with plan of management and monitoring . 8. Reflective writing on visit to asthma clinic / OP 9. Report with pictures of special day observances 10. Reflective writing on the importance of the topic learnt. 11. How would you set up an asthma clinic in your practice ? – reflective writing .
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 5 per elective 2.Academic presentations/demo/ counselling made – 1 per elective 3.Attendance during counselling sessions -1 6.Participation in special day observance , if applicable
Assessment	<ol style="list-style-type: none"> 1.Attendance 2.Daily participation in academic schedule given 3.Mini CEX of 1 case 4. OSCE- Counseling of one parent/ patient – inhaler therapy age appropriate + environmental control 5.360 degree assessment
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective