

Name of Block	Block II
Name of Elective PAED1	Pediatric Hematology
Name of Internal Perceptors	Dr Ajithkumar V.T, Professor and HOD , Department of Pediatrics  Dr Deepthi R, Assistant Professor, Department of Pediatrics
Name of External Perceptor	Dr Sheela T. A, Associate Professor, Department of Pediatrics, GMC,Ernakulam In charge Hemophilia Clinic, GMC, Thrissur
Learning Objective	To learn about various hematological disorders affecting pediatric age group with emphasis on hemolytic anemias and hemophilia
Number of students that can be accommodated	2
Prerequisites for elective	Basic knowledge and interest in Hematology
Learning Resources for students	Textbook of Pediatrics, O.P Ghai Nelson Book Of Pediatrics
List Of activities for student participation	<ol style="list-style-type: none"> <li>1.Attend Hematology clinic: Observing different hematological cases coming to OPD, administration of injection emicizumab, factor concentrate, counselling of patients</li> <li>2.Attend Clinical Pathology lab : Preparation and examination of peripheral smear, observing factor assay and inhibitor screening procedures</li> <li>3. Seeing hematological cases admitted in ward and case discussion by faculty</li> <li>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.</li> <li>5. Visit to blood bank: Observing blood grouping, component separation,blood donation</li> <li>6. Attend counselling sessions and follow up of chronic patients</li> </ol>

	7. Brief session on physiotherapy for hemophilia patients
Portfolio entries required	Case record entry : 1. 1 clinical case per day from pediatric ward 2. Topic presentation : 3 topics per week 3. Clinical profile of patients seen in hematology clinic 4. Learning points from Hematology lab visit 5. Learning points from Blood bank visit 6. Procedures observed / performed
Assessment	Attendance Formative : <ul style="list-style-type: none"> <li>• Case presentation</li> <li>• Topic presentation</li> <li>• Final assessment based on case presentation and mini task performance.</li> </ul>

Name of Block	Block 2
Name of the elective PAED2	Early intervention, Habilitation and Rehabilitation of 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"> <li>1. To understand the concept of early detection of disabilities and early intervention.</li> <li>2. To study the process of high risk newborn follow up and early stimulation</li> <li>3. To identify the types of childhood disabilities</li> <li>4. To understand the concept of team work in neurodevelopmental follow up and interventions</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the structure and function of early intervention centre Basic idea about childhood disabilities and high risk neonate

Learning resources for students	<ol style="list-style-type: none"> <li>1. Setting up District Early intervention Centres-Operational guidelines- Ministry of Health and Family Welfare 2014</li> <li>2. Handbook on Early Intervention Centres for Children with disabilities- Ministry of Social Justice &amp; Empowerment – GOI</li> <li>3. Essential Pediatrics –O P Ghai 9<sup>th</sup> edn</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend 2 SNCU follow up OPs , learn early detection and early intervention</li> <li>2. Take case history along with REIC M O and follow up at least 5 children with disability attending REIC through various therapy sessions</li> <li>3. Attend one group therapy session</li> <li>4. Visit SNCU with the team</li> <li>5. Present one topic</li> <li>6. Participate in special day observances and educational activities and prepare a report</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 5 children with disability attending REIC</li> <li>2. Reflective writing on visit to SNCU</li> <li>3. Report with pictures of special day observances</li> <li>4. Participation in the academic activities – At least 1 topic presentation</li> <li>5. Reflective writing on the team work in REIC</li> <li>6. Report on the conduct of SNCU follow up OP, evaluation of babies and early stimulation</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1. Cases seen – 5 per elective</li> <li>2. Academic presentations made – 1 per elective</li> <li>3. Development and neurological assessment of 5 babies in SNCU follow up OP</li> <li>4. Visit to SNCU</li> <li>5. Attendance during group therapy sessions</li> <li>6. Participation in special day observances</li> </ol>
Assessment	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Daily participation in REIC activities</li> <li>3. Topic presentation</li> <li>4. Mini CEX of 1 case</li> <li>5. OSCE- Counseling of one parent</li> <li>6. 360 degree assessment</li> </ol>
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

### Elective learning experience in Block II

<b>Name of Block</b>	Block II
<b>Name of Elective PAED3</b>	Emergency Paediatrics

<b>Location of hospital lab/research facility</b>	Paediatric Casualty, Triage area, Observation room, DTU(Diarrhoea Treatment Unit ) , Emergency ICU& casualty lab.
<b>Name of internal preceptor(s)</b>	Dr .Nithya, Assistant Professor, Dept of Pediatrics
<b>Name of external preceptor(s) if applicable</b>	
<b>Learning objectives of electives</b>	<ol style="list-style-type: none"> <li>1. Identification of a sick child and sick Newborn</li> <li>2. IMNCI strategies and triaging</li> <li>3. Stabilization and approach to outpatient management of common Paediatric complaints like fever, pain , injuries, seizures, breathlessness, rashes etc,</li> <li>4. Focused history taking and clinical examination.</li> <li>5. Basic life support training.</li> <li>6. Using the laboratory</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	Four
<b>Prerequisites for elective</b>	<ol style="list-style-type: none"> <li>1. Basic knowledge in Paediatrics</li> </ol>
<b>Learning resources for students</b>	<ol style="list-style-type: none"> <li>1. OP Gai, Textbook of Paediatrics</li> <li>2. Nelsons Textbook of Paediatrics</li> <li>3. IAP Textbook on Basic Life Support</li> <li>4. IMNCI strategies of WHO/UNICEF</li> </ol>
<b>List of activities of student participation</b>	<ol style="list-style-type: none"> <li>1. Work with preceptors, Duty medical officers, senior residents, residents and house surgeons.</li> <li>2. Post admission follow up of the patients in ward / PICU .</li> <li>3. Assist in monitoring of sick patients</li> <li>4. Record vital signs</li> <li>5. Interpretation of basic laboratory tests and rationale for each tests.</li> <li>6. Observe/assist/perform under supervision procedures needed in treatment of sick child.</li> <li>7. Observe the counselling and communication session for parents.</li> </ol>

	<ul style="list-style-type: none"> <li>8. Participate in educational activities in the department of Paediatrics</li> <li>9. Present weekly topics</li> </ul>
<b>Portfolio entries required</b>	<p>Documentation with reflective writing,</p> <ul style="list-style-type: none"> <li>1. Case record -5 cases per day</li> <li>2. Academic presentations made - 2 during 2 weeks</li> <li>3. Case presentation on rounds</li> <li>4. Procedures observed/assisted/done under supervision</li> <li>5. Patient/relatives counselling</li> </ul>
<b>Log book entry required</b>	<ul style="list-style-type: none"> <li>1. Cases seen: 10 per day</li> <li>2. Academic presentations made - 2 per elective</li> <li>3. Case presentation done at follow up rounds - 1 per day</li> <li>4. Documentation of procedures done (O/A/P)</li> <li>5. Attendance during counselling sessions- 2 per day</li> </ul>
<b>Assessment</b>	<p>Formative:</p> <ul style="list-style-type: none"> <li>1. Attendance</li> <li>2. Daily participation in departmental academic activity</li> <li>3. Performance of assigned tasks (DOPS) 4 tasks</li> <li>4. Presentation of worked up case in department (mini CEX) 2 cases</li> <li>5. 360 degree assessment</li> </ul>
<b>Other comments</b>	<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>

#### LOGBOOK FOR ELECTIVES

UNIVERSITY

COLLEGE

NAME OF STUDENT

REGISTRATION NUMBER

BATCH

ELECTIVE (BLOCK 2)

PERIOD

SIGNATURE OF STUDENT

SIGNATURE OF FACULTY IN CHARGE

INDEX

S. No	Item	Page number
	Cases attended	
	Case presentations	
	Academic presentations	
	Procedures	
	Counselling sessions	
	Record of Assessment	

CASES ATTENDED

S.No	Case attended	Date	signature
------	---------------	------	-----------



## COUNSELLING SESSIONS

S.No.	Counselling session (Name,age, diagnosis)	Date	Signature

## RECORD OF ASSESSMENT

S. No	Type of assessment	Date	Signature
	Mini CEX		
	Mini CEX		
	DOPS		
	DOPS		
	DOPS		
	DOPS		

## Elective learning experience in Block II

<b>Name of Block</b>	Block II
<b>Name of Elective PAED4</b>	Pediatric Intensive Care
<b>Location of hospital lab/research facility</b>	Pediatric ICU - 10 bedded
<b>Name of internal preceptor(s)</b>	Dr Bindusha S
<b>Name of external preceptor(s) if applicable</b>	
<b>Learning objectives of electives</b>	<ol style="list-style-type: none"> <li>1. To be able to assess the physiological status of a critically ill child- PALS Algorithm</li> <li>2. To learn how to monitor and document vital signs, fluid status, sensorium, of a critically ill child</li> <li>3. To understand team dynamics in the ICU setting</li> </ol>



	<p>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.</p> <p>5. To communicate bad news empathetically to relatives of a critically ill child</p>
<b>Number of students that can be accommodated in this elective</b>	Four
<b>Prerequisites for elective</b>	<p>2. Basic knowledge in universal precautions</p> <p>3. BLS course completion</p> <p>4. HBsAg vaccination should be mandatorily completed</p>
<b>Learning resources for students</b>	<p>5. The Harriet Lane Handbook, 22nd edition</p> <p>6. Institutional protocol for PICU care</p>
<b>List of activities of student participation</b>	<p>10. Work with preceptors</p> <p>11. Join rounds daily with active participation</p> <p>12. Assist in monitoring of sick patients</p> <p>13. Observe/assist/perform under supervision procedures needed in treatment of critically ill patients</p> <p>14. Observe the counselling session for relatives daily</p> <p>15. Participate in educational activities in the PICU</p> <p>16. Present 2 topics in PICU two weeks apart</p>
<b>Portfolio entries required</b>	<p>Documentation with reflective writing,</p> <p>6. Case record 1 case per day</p> <p>7. Academic presentations made - 2 during 4 weeks</p> <p>8. Attend PICU rounds</p> <p>9. Procedures observed/assisted/done under supervision</p> <p>10. Patient/relatives counselling</p>
<b>Log book entry required</b>	<p>6. Cases seen: 2 per day</p> <p>7. Academic presentations made - 2 per elective</p> <p>8. Case presentation on rounds - 1 per week</p> <p>9. Documentation of procedures done (O/A/P) 8</p> <p>10. Attendance during counselling sessions 8</p>

<b>Assessment</b>	Formative: <ol style="list-style-type: none"> <li>6. Attendance</li> <li>7. Daily participation in departmental academic activity</li> <li>8. Performance of assigned tasks (DOPS) 4 tasks</li> <li>9. Presentation of worked up case in department (mini CEX) 2 cases</li> <li>10. 360 degree assessment</li> </ol>
<b>Other comments</b>	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

**LOGBOOK FOR ELECTIVES**

UNIVERSITY

COLLEGE

NAME OF STUDENT

REGISTRATION NUMBER

BATCH

ELECTIVE (BLOCK 2)

PERIOD

SIGNATURE OF STUDENT

SIGNATURE OF FACULTY IN CHARGE

## INDEX

S. No	Item	Page number
	Cases attended	
	Case presentations	
	Academic presentations	
	Procedures	
	Counselling sessions	
	Record of Assessment	

## CASES ATTENDED

S.No	Case attended	Date	signature

## ACADEMIC PRESENTATIONS

S.No.	Topic presented	Date	Signature

CASE PRESENTATION ON ROUNDS

S.No.	Case presented	Date	Signature

PROCEDURES

S.No.	Procedure	(A/O/P)	Date	Signature

COUNSELLING SESSIONS

S.No.	Counselling session (Name,age, diagnosis)	Date	Signature

RECORD OF ASSESSMENT

S. No	Type of assessment	Date	Signature
	Mini CEX		
	Mini CEX		
	DOPS		
	DOPS		
	DOPS		
	DOPS		

Name of Block	Block 2
Name of the elective PAED5	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"> <li>5. To understand the concepts of pathophysiology and GINA management guidelines of asthma &amp; under-five wheeze</li> <li>6. To study the inhaler therapy in long term asthma management</li> <li>7. To study aerosol therapy and management of acute flare up of asthma</li> <li>8. To understand the practice of monitoring and assessment of asthma</li> <li>9. To observe the procedure and understand the role of allergy skin testing in asthma &amp; allergic rhinitis</li> <li>10. To practice directed history taking in asthma and to counsel patients with environmental control measures</li> </ol>
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"> <li>4. Essential Pediatrics –O P Ghai 9<sup>th</sup> edn</li> <li>5. GINA guidelines 2023 ( updated version available free on net, every year)</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>7. Take and write case history of 4 cases in ward – directed allergy history / environmental history /examination / write plan of management and environmental counselling</li> <li>8. Attend OP / asthma clinic – assess 4 children for asthma control ( 1 GINA tool / 3 ACT or c-ACT)</li> <li>9. Present one case fully with management plan</li> <li>10. Participate in special day observance and atleast one patient counselling session with MO / SR.</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>7. 5 cases in ward in detail with plan of management and monitoring .</li> <li>8. Reflective writing on visit to asthma clinic / OP</li> <li>9. Report with pictures of special day observances</li> <li>10. Reflective writing on the importance of the topic learnt.</li> <li>11. How would you set up an asthma clinic in your practice ? – reflective writing .</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1.Cases seen – 5 per elective</li> <li>2.Academic presentations/demo/ counselling made – 1 per elective</li> <li>3.Attendance during counselling sessions -1</li> <li>6.Participation in special day observances</li> </ol>
Assessment	<ol style="list-style-type: none"> <li>1.Attendance</li> <li>2.Daily participation in academic schedule given</li> <li>3.Mini CEX of 1 case</li> <li>4. OSCE- Counseling of one parent/ patient – inhaler therapy age appropriate + environmental control</li> <li>5.360 degree assessment</li> </ol>

Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective
----------------	--