

DEPARTMENT OF TRANSFUSION MEDICINE, GMC THRISSUR

Elective Block 2

Name of Block	Block 2
Name of Elective	The basics in Transfusion Medicine, Immunohematology and clinical transfusion practice. (Vein to Vein in Transfusion Medicine)
Location of hospital lab/research facility	D Block, First floor, NMCH
Name of internal preceptor(s)	Dr Archana K A, Dr Anjaly P S, Dr Ashly Monson Mathew
Name of external preceptor(s) if applicable	Dr. Sajith V
Learning objectives of electives	<p>Broad objective The student will be getting used to all the aspects in the transfusion chain starting from the blood donor till received by the patient.</p> <p>Specific objectives</p> <ol style="list-style-type: none"> 1. To understand the basics of blood donor selection and counseling 2. To understand the basics of blood collection and management of adverse donor reactions 3. To understand the basics of Immunohematology tests 4. To learn basics about component preparation, storage and transport 5. To understand how to prescribe blood products 6. To understand the procedures before, during and after transfusion in elective and emergencies in clinical side 7. To know basics of management of transfusion reaction 8. To learn basic reporting and documentation including consent taking
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Basic Knowledge in Immunohematology & Blood Transfusion
Learning resources for students	<ol style="list-style-type: none"> 1. Text book-AABB technical manual 2. Online resources like guidelines and policies in Transfusion Medicine (DGHS manual, State Transfusion Policy) 3. Learning materials available in blood bank (SOPs, manuals etc)

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List of activities of student participation	<ol style="list-style-type: none">1. Blood donor selection and counseling2. Voluntary blood donation camps3. Blood collection, apheresis and adverse donor reaction4. Immunohematology tests like blood grouping, crossmatch etc5. Component preparation, storage and transport6. TTD screening7. Prescription for transfusion and issuance of units8. Transfusion in elective and emergencies in clinical side9. Management of transfusion reaction10. Reporting and documentation
Portfolio entries required	<ol style="list-style-type: none">1. As per log book index provided by department
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Assessment	<ol style="list-style-type: none">1. Attendance2. Participation in activities3. Topic presentation4. Assignments5. Logbook6. Portfolio7. OSPE/OSCE8. 360 degree Assessment

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No	Activity	Mode of learning	Log tool
1.	Blood donor registration and counseling	Observe and perform under guidance	Blood donor form
2.	Blood donor selection	Observe and perform under guidance	Blood donor form
3.	Blood donor motivation	Observe and perform under guidance	Details of donors
4.	Voluntary blood donation camp	Participate in a camp	Details of camp
5.	Blood collection (Whole blood)	Observe	Details as per blood collection register
6.	Platelet collection (Apheresis)	Observe	Details as per apheresis register
7.	Adverse donor reaction management	Observe and perform under guidance	Details as per donor reaction register
8.	Blood component separation and storage	Observe	Details as per component register
9.	Immunochemistry tests- Blood grouping	Observe and perform under guidance	Details as per blood grouping register
10.	Immunochemistry tests- Cross match, IAT, DAT	Observe	Details as per respective register
11.	TTD screening	Observe	Details as per TTD register
12.	Prescription for transfusion and sampling (in wards)	Observe and perform under guidance	Blood transfusion request and label
13.	Issuance of units	Observe	Details as per issue register
14.	Transfusion in elective cases in clinical side	Observe	Details as per entry in case sheet
15.	Transfusion in emergencies cases in clinical side	Observe	Details as per entry in case sheet
16.	Transfusion in neonatal and pediatric setup in clinical side	Observe	Details as per entry in case sheet
17.	Management of transfusion reaction	Observe	Details as per entry in case sheet
18.	Reporting and documentation	Observe	Various registers and forms
19.	Academic activities	Perform	Power Point
20.	Assessment	Perform	

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ASSESSMENT

No	Assessment (each out of 5)	Score
1	Attendance in percentage : Score <ul style="list-style-type: none"> ● >75%-5 ● 60-75%-4 ● 45-60%-3 ● 30-45%-2 ● 15-30%-1 ● <15%-0) 	
2	Daily participation in blood bank activites 0-5 scoring scale	
3	Topic presentation score : <ul style="list-style-type: none"> ● More than two presented satisfactorily-5 ● Two Presented satisfactorily-4 ● One Presented satisfactorily-2 ● One presented unsatisfactorily-1 ● None presented-0 	
4	Assignments 0-5 scoring scale	
5	Logbook 0-5 scoring scale	
6	Portfolio 0-5 scoring scale	
7	OSPE/OSCE (5 stations, 1 mark each) 0-5 scoring scale	
8	360 Degree assessment	
	Total score (out of 40)	