

Electives surgery - 2024

SNo	Name of Elective	Name of Preceptor	No of students
1	Care of patients with tube thoracostomy after blunt trauma to the chest	Dr Renija	2
2	Postoperative management of thyroidectomy	Dr Tinu	2
3	Assessment & monitoring of surgical site infections after emergency surgery	Dr Jithin	2
4	Care of central lines & management of complications	Dr Sethu	2
5	Post operative pain management in elective surgery	Dr Sumin . V. S	2
6	Blood transfusions in surgery	Dr Arun Joseph	2
7	Suture removal and post-op wound care in elective surgery	Dr Swaroop	2
8	Blunt trauma abdomen. ICU care	Dr Mrudul	2
9	Post operative fluid management in elective surgery	Dr Aravind	2
10	Assessment of vascularity in diabetic foot	Dr Praveen	2

Name of Block	Block 2
Name of the elective	Monitoring and management of blunt trauma chest with intercostal tube drainage
Location of hospital	General Surgery ward 4&5 and SICU
Name of the internal preceptor	Dr.Renija V T
Name of the external preceptor	Dr.Rajesh T.R
Learning objectives	<ol style="list-style-type: none"> <li>1. To study the clinical presentation of blunt trauma chest who needs intercostal tube drainage( ICD)</li> <li>2. To learn immediate and follow up management of patients with ICD (Investigations and interpretation )</li> <li>3. To understand the complications related to ICD.</li> <li>4. To learn the importance of chest physiotherapy .</li> <li>5. To learn the protocol and procedure of ICD tube drainage.</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about Blunt trauma chest and intercostal tube drainage
Learning resources for students	<ol style="list-style-type: none"> <li>1. Sabiston Text book of Surgery 21<sup>st</sup> edition.</li> <li>2. Bailey and Love's short practice of surgery 27<sup>th</sup> edition.</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend General Surgery ward(ward4&amp;5) and SICU</li> <li>2. Take case history ,examination and follow up of atleast 10 patients with blunt trauma chest managed with intercostal tube drainage.</li> <li>3. To assist in the daily management of ICD tube .</li> <li>4. Present topic 1 Blunt trauma chest 2 Intercostal tube drainage</li> <li>5. Interpretation of CXR and clinical correlation post procedure in the immediate and follow up management in the ward.</li> <li>6. To assist in the ICD removal procedure to learn how to prevent complications related to ICD tube removal.</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 10 patients with blunt trauma chest managed with ICD</li> <li>2. Participation in the academic activities – At least 2 topic presentation</li> <li>3. Management protocol of Blunt trauma chest with ICD</li> <li>4. Reflective writing on the management of ICD tube management</li> </ol>

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	<p>immediate and follow up period in the ward.</p> <p>5. Final report of 10 patients including clinical ,imaging, correlation management and final report</p>
Log book entry required	<p>1.Cases seen – 10 per elective</p> <p>2.Academic presentations made – 2 per elective</p> <p>3.Assessment and follow up of 10 patients with blunt trauma chest with ICD management</p> <p>4.Final report submission and presentation.</p>
Assessment	<p>1.Attendance</p> <p>2.Assistance in the management of patients with blunt trauma chest with ICD</p> <p>3.Topic presentations</p> <p>4. Logbook</p>
Other comments	<p>75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective</p>

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of the elective</b>	<b>post operative management of thyroidectomy</b>
<b>Location of hospital</b>	<b>B operation theatre recovery room, surgery ICU, Post op ward 15</b>
<b>Name of the internal preceptor</b>	<b>Dr.Tinu Sasi</b>
<b>Name of the external preceptor</b>	<b>Dr.Santhosh P V</b>
<b>Learning objectives</b>	<p>1. To study how to manage patients after thyroidectomy</p> <p>2. To learn complications developing after thyroidectomy</p> <p>3. To study how to manage complications after thyroidectomy</p>

Number of students that can be accommodated in this elective	2	
Prerequisites for elective	Knowledge about the steps in thyroidectomy and expected complications, both early and late complications	
Learning resources for students	<ol style="list-style-type: none"> <li>1. Sabiston Text book of Surgery 21st edition.</li> <li>2. Bailey and Love's short practice of surgery 27th edition.</li> </ol>	
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend post operative ward and ICU</li> <li>2. Take case history ,examination and follow up of 10 post thyroidectomy patients</li> <li>3. To involve in the post operative care and management of complications after thyroidectomy</li> <li>4. Present the final report on the followup and assessment of thyroidectomy patients</li> </ol>	
Portfolio entries	Documentation	

required	<ol style="list-style-type: none"><li>1. Case reports of 10 patients undergone thyroidectomy</li><li>2. Participation in the academic activities – steps in thyroidectomy, post operative complications of thyroidectomy</li><li>3. Management protocol of post operative care for thyroidectomy patients</li><li>4. Reflective writing on post operative management of thyroidectomy patients</li><li>5. Final report of 10 patients including monitoring, assessment, evaluation, management and final report</li></ol>
Log book entry required	<ol style="list-style-type: none"><li>1. Cases seen – 10 per elective</li><li>2. Academic presentations made</li><li>3. Assessment and follow up of 10 patients undergone thyroidectomy</li><li>4. Final report submission and presentation.</li></ol>
Assessment	<ol style="list-style-type: none"><li>1. Attendance</li><li>2. Assistance in the post operative management of thyroidectomy</li></ol>

	<p>3. Topic presentations 4. Logbook</p>
Other comments	<p>75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective</p>

Name of Block	Block 2
Name of the elective	Assessment and monitoring of surgical site infections after emergency surgery
Location of hospital	General Surgery post-operative ward 15, Trauma ICU and SICU
Name of the internal preceptor	Dr.Jithin Joshy K
Name of the external preceptor	Dr.Vinodh M
Learning objectives	<ol style="list-style-type: none"> <li>1. To study the risk factors for the development of surgical site infections.</li> <li>2. To understand the prevention and management of surgical site infections.</li> <li>3. To understand the importance of antibiotic prophylaxis in prevention of surgical site infections.</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the etiopathogenesis and management of surgical site infections, antibiotic prophylaxis and infection control protocol.
Learning resources for students	<ol style="list-style-type: none"> <li>3. Sabiston Text book of Surgery 21<sup>st</sup> edition.</li> <li>4. Bailey and Love's short practice of surgery 27<sup>th</sup> edition.</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>7. Attend Post Operative ward 15 ,Trauma ICU and SICU</li> <li>8. Take case history ,examination and follow up of at least 10 patients who underwent emergency surgery</li> <li>9. To involve in the management of surgical site infections and antibiotic prophylaxis</li> <li>10. Present topic on surgical site infections &amp; Antibiotic Prophylaxis</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>6. Case reports of 10 post operative wound infections in emergency surgeries performed</li> <li>7. Participation in the academic activities – At least 2 topic presentation</li> <li>8. Reflective writing on the monitoring and management of surgical site infections and antibiotic prophylaxis</li> <li>9. Final report of 10 patients including clinical profile ,type of surgery performed, grade of surgical site infection and management</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1.Cases seen – 10 per elective</li> <li>2.Academic presentations made – 2 per elective</li> <li>3.Assessment and follow up of 10 patients who underwent surgery</li> <li>4.Final report submission and presentation.</li> </ol>

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Assessment	<ol style="list-style-type: none"> <li>1.Attendance</li> <li>2.Assistance in the management of patients with surgical site infection</li> <li>3.Topic presentations</li> <li>4. Logbook</li> </ol>
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

Name of Block	Block 2
Name of the elective	Central line care, monitoring and complications
Location of hospital	Surgery ICU, GMC, Thrissur
Name of the internal preceptor	Dr.Sethu T S
Name of the external preceptor	Dr.Sreekumar S
Learning objectives	<ol style="list-style-type: none"> <li>1. To learn the indications for central line</li> <li>2. To study the relevant anatomy</li> <li>3. To identify the complications and their management</li> <li>4. To learn how to monitor a patient on central line</li> <li>5. To learn the technique of insertion of central line</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the basic anatomy of central veins and the way to access them
Learning resources for students	<ol style="list-style-type: none"> <li>1. Bailey and Love short practice of surgery 27th edition</li> <li>2. Sabiston textbook of surgery 20th edition</li> <li>3. Rosens emergency medicine 8th edition</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend 2 SICU cases on central line</li> <li>2. Take case history and follow up of patients with emergency and elective indications for central line</li> <li>3. Attend central line insertion procedure in SICU</li> <li>4. Learn to write procedural notes on central line insertion</li> <li>5. Present one topic</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 2 cases of central line access in surgical ICU</li> <li>2. Reflective writing on visit to SICU</li> <li>3. Report with pictures of procedural observances</li> <li>4. Participation in the academic activities – At least 1 topic presentation</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. Follow up and complication related to central lines</li> <li>4.Visit to SICU</li> <li>5.Attendance during central line procedures</li> </ol>

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Assessment	1.Attendance 2.Daily participation SICU activities 3.Topic presentation 4.presentation of case with central line
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

Name of Block	Block 2
Name of the elective	Post operative pain management in elective surgery patients
Location of hospital	General Surgery ward 15, SICU
Name of the internal preceptor	Dr.Sumin. V.S
Name of the external preceptor	Dr.Ravindran.C
Learning objectives	6. To assess the severity of pain in a patient who underwent elective surgery. 7. To study about the multimodality approach in the management of pain 8. To study the different class of drugs used in the management of pain 9. To study the mechanism of action of drugs, routes of administration and changes in vitals that each drug make in human body. 10. To study different nerve block and anaesthesia technique in pain management.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about mechanism of pain, assessment of pain ,different modalities used for analgesia ,drugs used and mechanism of action.
Learning resources for students	5. Sabiston Text book of Surgery 21 <sup>st</sup> edition. 6. Bailey and Love's short practice of surgery 27 <sup>th</sup> edition.
List of activities of student participation	11. Attend General Surgery post operative ward 15 , SICU . 12. Take case history ,examination , identify type of surgery he/she underwent, anaesthesia used for procedure, and follow up of atleast 10 patients who undergo elective surgery. 13. Assess pain using any of the standard assessment scale . 14. Identify different routes of administration of analgesic and monitor the changes of vitals happening. 15. Involve in managing pain in systematic manner and understand the multimodality approach . 16. Present topic 1) WHO Analgesic ladder 2) Nerve blocks 3) Different classes of drugs used.
Portfolio entries required	Documentation 10. Case reports of 10 patients who undergo elective surgery. 11. Participation in the academic activities – At least 2 topic presentation 12. Management protocol of pain management as per WHO analgesic ladder. 13. Reflective writing on the management of pain and follow up period in the ward. 14. Final report of 10 patients including clinical ,type of surgery undergone, pain management and follow up of each case.
Log book entry required	1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of pain management in 10 patients who underwent elective surgery

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	4.Final report submission and presentation.
Assessment	1.Attendance 2.Assistance in the management of pain in patients who undergo elective surgery. 3.Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

Name of Block	Block 2
Name of the elective	Blood transfusions Types, checklist, monitoring , prevention and management of complication associated with blood transfusion
Location of hospital	General Surgery ward 4&5 , SICU, Blood Bank
Name of the internal preceptor	Dr. Arun Jose
Name of the external preceptor	Prof Dr Biju P R
Learning objectives	<ol style="list-style-type: none"> <li>1. To identify the indications of blood and component transfusion</li> <li>2. To learn how a transfusion is performed</li> <li>3. To understand the storage requirements of various blood components</li> <li>4. To understand the safe transfusion practices and the importance of documentation</li> <li>5. To learn to identify and therefore prevent major transfusion mishaps</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	A solid understanding of the various types of blood groups, ABO typing, Rh grouping, other non ABO blood groups, basic understanding of pathology of transfusion reactions, ability to document legibly
Learning resources for students	<ol style="list-style-type: none"> <li>1. Sabiston Text book of Surgery 21<sup>st</sup> edition.</li> <li>2. Bailey and Love's short practice of surgery 27<sup>th</sup> edition.</li> <li>3. Ganong's textbook of Physiology</li> <li>4. Guytons textbook of Physiology</li> <li>5. Harrison's textbook of Internal Medicine</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Understand blood grouping and cross matching ( blood bank)</li> <li>2. To learn to document a blood transfusion request.</li> <li>3. To document and to initiate a transfusion</li> <li>4. Monitoring of Vitals while transfusion is being performed</li> <li>5. To identify and ably assist in procuring blood to OT during massive transfusion requirements (intra op loss / trauma resuscitation)</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 10 patients with blood / component transfusion with regards to indication, monitoring and documentation</li> <li>2. Participation in the academic activities – At least 2 topic presentations</li> <li>3. Massive transfusion protocol</li> <li>4. Reflective writing on the management of transfusion reactions ( if encountered during the elective)</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1.Cases seen – 10 per elective</li> <li>2.Academic presentations made – 2 per elective</li> <li>3.Assessment and follow up of 10 patients with blood / component transfusion</li> <li>4.Final report submission and presentation.</li> </ol>
Assessment	<ol style="list-style-type: none"> <li>1.Attendance</li> <li>2.Assisting the ward interns / residents / staff nurses in requesting / initiating / procuring / documenting / monitoring a patient with blood / component</li> </ol>



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	<p>transfusions 3.Topic presentations 4. Logbook</p>
Other comments	<p>75% attendance , with physical presence of at least 4 hrs /day is required for the successful completion of the elective Visiting the blood bank for a day to understand how blood is donated / preserved / issued / blood grouping / and cross matching tests</p>

Name of Block	Block 2
Name of the elective	Suture removal after elective surgeries,post operative wound care and Management.
Location of hospital	General Surgery ward 15
Name of the internal preceptor	Dr.Swaroop John B
Name of the external preceptor	Dr.Abdul Siyad
Learning objectives	<ol style="list-style-type: none"> <li>1. To study the stages of wound healing.</li> <li>2. To learn about post operative wound care and management</li> <li>3.To understand the timing and technique of suture removal.</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about stages of wound healing and possible complications that can occur in a surgical wound.
Learning resources for students	<ol style="list-style-type: none"> <li>1.Sabiston Text book of Surgery 21<sup>st</sup> edition.</li> <li>2.Bailey and Love's short practice of surgery 27<sup>th</sup> edition.</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1.Attend post operative ward and ICU</li> <li>2.Take case history ,examination and follow up of 10 elective post operative patients .</li> <li>3.To involve in the wound care and management,suture removal of those patients:</li> <li>4.Present topic on wound healing and wound care.</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1.Case reports of 10 elective post operative wound care including suture removal.</li> <li>2.Participation in the academic activities – At least 1 topic presentation</li> <li>3.Reflective writing onthe wound care and suture removal.</li> <li>4.Antibiotic prophylaxis used according to the class of surgical wound.</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1. Cases seen – 10 per elective</li> <li>2. Academic presentations made – 1 per elective</li> <li>3.Assessment and follow up of 10 post operative cases.</li> <li>4.Final report submission and presentation.</li> </ol>

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Assessment	1.Attendance 2.Assistance in wound care and suture removal. 3.Topic presentation 4.Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

Name of Block	Block 2
Name of the elective	Blunt trauma abdomen monitoring, assessment and evaluation in ICU
Location of hospital	General Surgery Emergency Room, SICU, Acute care area and ward 15
Name of the internal preceptor	Dr.Mrudhul Mathew
Name of the external preceptor	Dr.Biju.P.R
Learning objectives	<ol style="list-style-type: none"> <li>1. To study the clinical presentation of blunt trauma abdomen in Emergency room and ICU</li> <li>2. To learn monitoring and initial assessment of patients with blunt trauma abdomen</li> <li>3. To understand the importance further evaluation.</li> <li>4. To learn the importance of timely intervention.</li> <li>5. To learn final outcome</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about anatomy of abdomen and clinical presentation of blunt trauma
Learning resources for students	<ol style="list-style-type: none"> <li>1. Sabiston Text book of Surgery 21<sup>st</sup> edition.</li> <li>2. Bailey and Love's short practice of surgery 27<sup>th</sup> edition.</li> <li>3. Hamilton Bailey's emergency surgery</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend General Surgery Emergency room, Acute care area and SICU</li> <li>2. Monitoring, assessment, evaluation, management and follow up of atleast 10 patients with blunt trauma abdomen</li> <li>3. To assist in monitoring vitals, clinical assessment , FAST, other imaging and follow up</li> <li>4. Interpretation of FAST, clinical signs and need for emergency intervention</li> <li>5. Topic presentation. 1) Blunt trauma abdomen, 2) splenic injury, grades of injury and management</li> <li>6. Follow up of the patients</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 10 patients with blunt trauma abdomen managed conservatively or surgically</li> <li>2. Participation in the academic activities – At least 2 topic presentation</li> <li>3. Management protocol of Blunt abdomen</li> <li>4. Reflective writing on the management of blunt trauma abdomen</li> <li>5. Final report of 10 patients including monitoring, assessment, evaluation, management and final report</li> </ol>
Log book entry required	<ol style="list-style-type: none"> <li>1.Cases seen – 10 per elective</li> <li>2.Academic presentations made – 2 per elective</li> <li>3.Assessment and follow up of 10 patients with blunt trauma abdomen</li> <li>4.Final report submission and presentation.</li> </ol>
Assessment	1.Attendance

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	<p>2.Assistance in the management of patients with blunt trauma abdomen</p> <p>3.Topic presentations</p> <p>4. Logbook</p>
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

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Name of Block	Block 2
Name of the elective	Assessment of vascularity in Diabetic foot
Location of hospital	GMC,Thrissur,Surgery OPD/ward4,ward5
Name of the internal preceptor	Dr.Praveen T M
Name of the external preceptor	Dr.Sreekumar S
Learning objectives	<ol style="list-style-type: none"> <li>1. Assessment of ischaemic foot- measuring of ABPI</li> <li>2. Skin examination</li> <li>3. Nerve examination</li> <li>4. Muscle examination</li> <li>5. Ulcer examination</li> </ol>
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the basic vascular anatomy of limbs and pathophysiology of diabetic foot
Learning resources for students	<ol style="list-style-type: none"> <li>1. Bailey and Love short practice of surgery 27th edition</li> <li>2. Sabiston textbook of surgery 20th edition</li> </ol>
List of activities of student participation	<ol style="list-style-type: none"> <li>1. Attend 4 cases of diabetic foot and primary assessment of limb vascularity by history and clinical examination</li> <li>2. Measure ABPI and categorize limb ischaemia</li> <li>3. To have adequate knowledge about relevant targeted radiological investigation required</li> <li>4. Present one topic on acute limb ischaemia</li> </ol>
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> <li>1. Case reports of 4 cases of diabetic foot</li> <li>2. ABPI calculation and categorize limb ischaemia</li> <li>3. Participation in the academic activities – At least 1 topic presentation</li> </ol>

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Log book entry required	<ol style="list-style-type: none"><li>1.Cases seen – 4 per elective</li><li>2.Academic presentations made – 1 per elective</li><li>3. Follow up and complication related to limb ischaemia</li><li>4.Visit to ward4,5,SICU,ACA under general surgery</li><li>5.Attendance during the period</li></ol>
Assessment	<ol style="list-style-type: none"><li>1.Attendance</li><li>2.Daily participation ward/opd activities</li><li>3.Topic presentation</li></ol>
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective