



## Jagannath Gupta Institute of Medical Sciences & Hospital

### ELECTIVE PROGRAM BATCH 2022-23

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
BARD Scoring System in NAFLD and Its Correlation with Ultrasonography (USG) Grading	General Medicine	Prof. Dr A. K. Saha Dr Prasun Chatterjee Dr Aditya Chowdhury	5
Clinical Evaluation and Biomarker-Based Risk Stratification in Chronic Heart Failure	General Medicine	Prof. Dr Shibendu Ghosh Dr Koushik Mal Dr Ankita Roy	5
Clinical Assessment and Symptom-Based Evaluation of Chronic Obstructive Pulmonary Disease (COPD) Using GOLD Guidelines	General Medicine	Prof. Dr Somnath Maitra Dr Santanu Mandal Dr Joydeep Sarkar	5
Clinical Approach to Common Hematological Disorders in In-Patient (IPD) Settings	General Medicine	Prof. Dr Mrityunjay Sarkar Dr Shankar Dutta Dr Bipratip Mukherjee	5
Etiological Evaluation and Secondary Prevention Strategies in Ischemic Stroke	General Medicine	Prof. Dr Kaushik Hazra Dr Puja Mahato Dr Promit Bhakta	5

## **Elective 1: BARD Scoring System in NAFLD and Its Correlation with Ultrasonography (USG) Grading**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>BARD Scoring System in NAFLD and Its Correlation with Ultrasonography (USG) Grading</b>
<b>Location of Hospital Lab or Research Facility</b>	<b>Medicine OPD, Radiology Department (USG), Medical Records Section</b>
<b>Name of Internal Preceptor(s)</b>	<b>Prof. Dr A. K. Saha Dr Prasun Chatterjee Dr Aditya Chowdhury</b>
<b>Name of External Preceptor (if any)</b>	<b>Nil</b>
<b>Learning Objectives of Elective</b>	<ul style="list-style-type: none"> <li>• Understand NAFLD spectrum and metabolic risk factors</li> <li>• Learn components and calculation of BARD score</li> <li>• Correlate BARD score with USG grading of fatty liver</li> <li>• Identify patients at risk of advanced fibrosis</li> </ul>
<b>Number of Students</b>	<b>5</b>
<b>Prerequisites for Elective</b>	
<b>Learning Resources for Students</b>	<ul style="list-style-type: none"> <li>• Harrison's Principles of Internal Medicine</li> <li>• EASL/AGA NAFLD guidelines</li> <li>• USG reports and case records</li> </ul>
<b>List of Activities in Which the Student Will Participate</b>	<ul style="list-style-type: none"> <li>• Clinical evaluation of NAFLD patients</li> <li>• Calculation of BARD score</li> <li>• Interpretation of USG findings</li> <li>• Case discussions</li> </ul>
<b>Portfolio Entries Required</b>	<b>Case summary with BARD score and USG correlation</b>
<b>Log Book Entry Required</b>	<b>Yes</b>
<b>Assessment</b>	<b>At the end of the posting by the preceptor – meets expectations / does not meet expectations</b>
<b>Other Comments</b>	<b>Nil</b>

## **Elective 2: Clinical Evaluation and Biomarker-Based Risk Stratification in Chronic Heart Failure**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical Evaluation and Biomarker-Based Risk Stratification in Chronic Heart Failure</b>
<b>Location of Hospital Lab or Research Facility</b>	Medicine OPD/IPD, Cardiology unit, Biochemistry Lab
<b>Name of Internal Preceptor(s)</b>	Prof. Dr Shibendu Ghosh Dr Koushik Mal Dr Ankita Roy
<b>Name of External Preceptor (if any)</b>	Nil
<b>Learning Objectives of Elective</b>	<ul style="list-style-type: none"><li>• Classify heart failure based on EF</li><li>• Learn role of NT-proBNP and biomarkers</li><li>• Perform functional and clinical assessment</li><li>• Risk stratification</li></ul>
<b>Number of Students</b>	5
<b>Prerequisites for Elective</b>	
<b>Learning Resources for Students</b>	<ul style="list-style-type: none"><li>• Harrison's Internal Medicine</li><li>• ACC/AHA &amp; ESC Heart Failure Guidelines</li></ul>
<b>List of Activities in Which the Student Will Participate</b>	<ul style="list-style-type: none"><li>• Clinical examination of HF patients</li><li>• Interpretation of biomarkers</li><li>• Case-based discussions</li></ul>
<b>Portfolio Entries Required</b>	Heart failure case with biomarker interpretation
<b>Log Book Entry Required</b>	Yes
<b>Assessment</b>	By internal preceptor
<b>Other Comments</b>	Nil

**Elective 3: Clinical Assessment and Symptom-Based Evaluation of Chronic Obstructive Pulmonary Disease (COPD) Using GOLD Guidelines**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical Assessment and Symptom-Based Evaluation of Chronic Obstructive Pulmonary Disease (COPD) Using GOLD Guidelines</b>
<b>Location of Hospital Lab or Research Facility</b>	<b>Medicine OPD, IPD, Spirometry Unit</b>
<b>Name of Internal Preceptor(s)</b>	<b>Prof. Dr Somnath Maitra Dr Santanu Mandal Dr Joydeep Sarkar</b>
<b>Name of External Preceptor (if any)</b>	<b>Nil</b>
<b>Learning Objectives of Elective</b>	<ul style="list-style-type: none"> <li>• Understand COPD pathophysiology</li> <li>• GOLD classification and symptom scores</li> <li>• Role of spirometry in diagnosis</li> <li>• Assess exacerbation risk</li> </ul>
<b>Number of Students</b>	<b>5</b>
<b>Prerequisites for Elective</b>	
<b>Learning Resources for Students</b>	<ul style="list-style-type: none"> <li>• GOLD Guidelines</li> <li>• Harrison's Internal Medicine</li> </ul>
<b>List of Activities in Which the Student Will Participate</b>	<ul style="list-style-type: none"> <li>• COPD patient evaluation</li> <li>• CAT/mMRC scoring</li> <li>• Spirometry interpretation</li> </ul>
<b>Portfolio Entries Required</b>	<b>COPD case with GOLD classification</b>
<b>Log Book Entry Required</b>	<b>Yes</b>
<b>Assessment</b>	<b>By internal preceptor</b>
<b>Other Comments</b>	<b>Nil</b>

#### **Elective 4: Clinical Approach to Common Hematological Disorders in In-Patient (IPD) Settings**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical Approach to Common Hematological Disorders in In-Patient (IPD) Settings</b>
<b>Location of Hospital Lab or Research Facility</b>	<b>Medicine IPD, Hematology Lab, Blood Bank</b>
<b>Name of Internal Preceptor(s)</b>	<b>Prof. Dr Mrityunjay Sarkar Dr Shankar Dutta Dr Bipratip Mukherjee</b>
<b>Name of External Preceptor (if any)</b>	<b>Nil</b>
<b>Learning Objectives of Elective</b>	<ul style="list-style-type: none"><li>• Approach to anemia, thrombocytopenia, leukemias</li><li>• Interpretation of CBC and peripheral smear</li><li>• Transfusion principles</li></ul>
<b>Number of Students</b>	<b>5</b>
<b>Prerequisites for Elective</b>	
<b>Learning Resources for Students</b>	<b>Harrison's Internal Medicine</b>
<b>List of Activities in Which the Student Will Participate</b>	<ul style="list-style-type: none"><li>• IPD case evaluation</li><li>• Lab report interpretation</li><li>• Ward discussions</li></ul>
<b>Portfolio Entries Required</b>	<b>Hematology case work-up</b>
<b>Log Book Entry Required</b>	<b>Yes</b>
<b>Assessment</b>	<b>By internal preceptor</b>
<b>Other Comments</b>	<b>Nil</b>

### **Elective 5: Etiological Evaluation and Secondary Prevention Strategies in Ischemic Stroke**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Etiological Evaluation and Secondary Prevention Strategies in Ischemic Stroke</b>
<b>Location of Hospital Lab or Research Facility</b>	<b>Medicine IPD, Neurology Unit, Radiology Department</b>
<b>Name of Internal Preceptor(s)</b>	<b>Prof. Dr Kaushik Hazra Dr Puja Mahato Dr Promit Bhakta</b>
<b>Name of External Preceptor (if any)</b>	<b>Nil</b>
<b>Learning Objectives of Elective</b>	<ul style="list-style-type: none"><li>• Etiological classification of ischemic stroke</li><li>• Stroke risk factor assessment</li><li>• Secondary prevention strategies</li><li>• Interpretation of neuroimaging</li></ul>
<b>Number of Students</b>	<b>5</b>
<b>Prerequisites for Elective</b>	<ul style="list-style-type: none"><li>• Harrison's Internal Medicine</li><li>• AHA/ASA Stroke Guidelines</li></ul>
<b>Learning Resources for Students</b>	
<b>List of Activities in Which the Student Will Participate</b>	<ul style="list-style-type: none"><li>• Stroke case evaluation</li><li>• Review of imaging</li><li>• Prevention strategy planning</li></ul>
<b>Portfolio Entries Required</b>	<b>Stroke case with etiological work-up</b>
<b>Log Book Entry Required</b>	<b>Yes</b>
<b>Assessment</b>	<b>By internal preceptor</b>
<b>Other Comments</b>	<b>Nil</b>

<b>ELECTIVE BLOCK 2</b>			
<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Skin changes in normal new born is first 15 days.</b>	<b>Paediatrics</b>	<b>Prof Dr. J.Das Dr. V. Sengupta Dr. D. Ghatak</b>	<b>5</b>
<b>Stool behaviour of normal new born upto 7 days.</b>	<b>Paediatrics</b>	<b>Prof Dr. M. Bhattacharya Dr. M. Mahapatra Dr. S. Ghosh</b>	<b>5</b>
<b>Temp assessment of normal new born with respect to grades of hypothermia.</b>	<b>Paediatrics</b>	<b>Prof Dr. M. Sengupta Dr. S. Majumder Dr. S. Ghosh</b>	<b>5</b>
<b>Assessment of icterus by cremer staging.</b>	<b>Paediatrics</b>	<b>Prof Dr. S. Bhanja Dr. A. Basu</b>	<b>5</b>

**Elective 1: Skin changes in normal new born is first 15 days.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Skin changes in normal new born is first 15 days</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Prof Dr. J.Das Dr. V. Sengupta Dr. D. Ghatak</b>
<b>Name of external preceptor (if any)</b>	<b>Nil</b>
<b>Learning objectives of elective</b>	<b>Object to defect the clinical laboratories parameter of neonates.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	
<b>Learning Resources for students</b>	<b>Theory and practical in jimsh.</b>
<b>List of activities in which the student will participate</b>	<b>Clinical examination and presentation under the Supervision of preceptors</b>
<b>Portfolio entries required</b>	<b>Data collection analysis and presentation.</b>
<b>Log book entry required</b>	<b>Results of screening in the neonate</b>
<b>Assessment</b>	<b>At the end of the posting by the preceptor, whether meets the expectation or not</b>
<b>Other comments</b>	



**Elective 2: Stool behaviour of normal new born upto 7 days.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Stool behaviour of normal new born upto 7 days.</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Prof Dr. M. Bhattacharya Dr. M. Mahapatra Dr. S. Ghosh</b>
<b>Name of external preceptor (if any)</b>	<b>Nil</b>
<b>Learning objectives of elective</b>	<b>object to defect the clinical laboratories parameter of neonates.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	
<b>Learning Resources for students</b>	<b>Theory and practical in jimsh.</b>
<b>List of activities in which the student will participate</b>	<b>Clinical examination and presentation under the supervision of preceptors.</b>
<b>Portfolio entries required</b>	<b>Data collection analysis and presentation.</b>
<b>Log book entry required</b>	<b>Results of screeing in the neonate</b>
<b>Assessment</b>	<b>At the end of the posting by the preceptor, whether meets the expectation or not</b>
<b>Other comments</b>	

**Elective 3: Temp assessment of normal new born with respect to grades of hypothermia.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Temp assessment of normal new born with respect to grades of hypothermia.</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Prof Dr. M. Sengupta Dr. S. Majumder Dr. S. Ghosh</b>
<b>Name of external preceptor (if any)</b>	<b>Nil</b>
<b>Learning objectives of elective</b>	<b>object to defect the clinical laboratories parameter of neonates.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	
<b>Learning Resources for students</b>	<b>Theory and practical in JIMSH.</b>
<b>List of activities in which the student will participate</b>	<b>Clinical examination and presentation under the supervision of preceptors.</b>
<b>Portfolio entries required</b>	<b>Data collection analysis and presentation.</b>
<b>Log book entry required</b>	<b>Results of screening in the neonate</b>
<b>Assessment</b>	<b>At the end of the posting by the preceptor, whether meets the expectation or not</b>
<b>Other comments</b>	

#### **Elective 4: Assessment of icterus by cremer staging.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Assessment of icterus by cremer staging.</b>
<b>Name of internal preceptor(s)</b>	<b>JIMSH</b>
<b>Name of external preceptor (if any)</b>	<b>Prof Dr. S. Bhanja Dr. A. Basu</b>
<b>Learning objectives of the elective</b>	<b>Nil</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for the elective</b>	
<b>Learning resources for students</b>	<b>Theory and practical in jimsh.</b>
<b>List of activities in which the student will participate</b>	<b>Clinical examination and presentation under the supervision of preceptors.</b>
<b>Portfolio entries required</b>	<b>Data collection analysis and presentation.</b>
<b>Log book entry required</b>	<b>Results of screeing in the neonate</b>
<b>Assessment</b>	<b>At the end of the posting by the preceptor, whether meets the expectation or not</b>
<b>Other comments</b>	

**ELECTIVE BLOCK 2**

<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Dermatosurgery</b>	<b>Dermatology</b>	<b>Dr Arunima Dhabal</b>	<b>4</b>
<b>Clinical Dermatology</b>	<b>Dermatology</b>	<b>Dr Tanim Garai</b>	<b>4</b>

### **Elective 1: Dermatosurgery**

<b>Name of Elective</b>	<b>Dermatosurgery</b>
<b>Location of the hospital</b>	<b>JIMSH, Budge Budge</b>
<b>Name of the internal preceptors</b>	<b>Dr Arunima Dhabal</b>
<b>Name of the external preceptors (if any)</b>	<b>Nil</b>
<b>Learning objectives of elective</b>	<b>To demonstrate basic dermatosurgery procedures such as basic suture techniques, skin biopsies, intralesional drug delivery, electrocautery etc.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>4</b>
<b>Prerequisites for elective</b>	
<b>Learning resources for students</b>	<b>Necessary immunizations</b>
<b>List of activities of student participation</b>	<b>1. Assisting the preceptor in dermatology OT procedure room 2. Performing at least four minor OT cases under the guidance of the preceptor at the end of session.</b>
<b>Portfolio entries required</b>	<b>1. Documentation of cases observed 2. Documentation of cases performed</b>
<b>Log book entry required</b>	<b>Completion of posting signed by preceptor with a “meets expectation (M)grade“</b>
<b>Assessment</b>	<b>1. Attendance 2. Day-to-day participation in departmental activities 3. Performance of assigned tasks</b>
<b>Other comments</b>	

## Elective 2: Clinical Dermatology

<b>Name of Elective</b>	<b>Clinical Dermatology</b>
<b>Location of the hospital</b>	<b>JIMSH, Budge Budge</b>
<b>Name of the internal preceptors</b>	<b>Dr Tanima Garai</b>
<b>Name of the external preceptors (if any)</b>	<b>Nil</b>
<b>Learning objectives of elective</b>	<b>1. To diagnose common skin and soft tissue infections 2. To develop an understanding of the use of topical and systemic medications for the common skin and soft tissue infections</b>
<b>Number of students that can be accommodated in this elective</b>	<b>4</b>
<b>Prerequisites for elective</b>	
<b>Learning resources for students</b>	<b>Necessary immunizations</b>
<b>List of activities of student participation</b>	<b>1. Work daily with the preceptor in history taking and examination of patients in Dermatology OPD 2. Present at least four OPD cases to the preceptor at the end of session.</b>
<b>Portfolio entries required</b>	<b>1. Documentation of worked up cases 2. Documentation of presentation done</b>
<b>Log book entry required</b>	<b>Completion of posting signed by preceptor with a “meets expectation (M)grade“</b>
<b>Assessment</b>	<b>Attendance; day-to-day participation in departmental activities; Performance of assigned tasks and presentation of worked up cases in the department</b>

**ELECTIVE BLOCK 2**

<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Research Methodology Hands on Workshop</b>	<b>Community Medicine</b>	<b>Dr.Aditi Aikat Dr. J Mukhopadhyay Dr.debayan Mallik Dr. Samarendra Biswas Dr. Subhajojoy Moitra Dr. Sayeli Mitra Dr. Archi Chandra Dr. Ria Mukherjee Dr. Satyabrata Maity Dr. Smita Dalui Mr. Suman Ghosh</b>	<b>6</b>
<b>PUBMED SEARCH Hands on Workshop</b>	<b>Community Medicine</b>	<b>Dr. Subhajojoy Moitra Dr. Sayeli Mitra Dr. Archi Chandra</b>	<b>4</b>
<b>Focused Grouped Discussion FAP (Qualitative Research)</b>	<b>Community Medicine</b>	<b>Dr. Samarendra Biswas Dr. Ria Mukherjee Dr. Satyabrata Maity Dr. Smita Dalui</b>	<b>6</b>
<b>Data Analysis with SPSS</b>	<b>Community Medicine</b>	<b>Dr S Maitra Dr. Sayeli Mitra Dr. Archi Chandra</b>	<b>4</b>
<b>IEC MATERIAL DEVELOPMENT Hands on Workshop</b>	<b>Community Medicine</b>	<b>Dr. J Mukhopadhyay Dr.Debayan Mallik Dr. Samarendra Biswas Dr. Satyabrata Maity</b>	<b>6</b>

## Elective 1: Research Methodology Hands on Workshop

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Research Methodology Hands on Workshop</b>
<b>Location of hospital Lab or research Facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. Aditi Aikat</b> <b>Dr. J Mukhopadhyay</b> <b>Dr. Debayan Mallik</b> <b>Dr. Samarendra Biswas</b> <b>Dr. Subhjoy Moitra</b> <b>Dr. Sayeli Mitra</b> <b>Dr. Archi Chandra</b> <b>Dr. Ria Mukherjee</b> <b>Dr. Satyabrata Maity</b> <b>Dr. Smita Dalui</b> <b>Mr. Suman Ghosh</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>1. To collect data as prescribed in the protocol</b> <b>2. To document data in the electronic case record correctly</b> <b>3. To demonstrate the use of statistical software to do basic research analysis</b> <b>4. To write an abstract based on data</b> <b>5. To present abstract to a group</b>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Basics of Data, Data Collection and Data Analysis</b>
<b>Learning Resources for students</b>	<b>Guidelines provided by the department</b>
<b>List of activities in which the student will participate</b>	<b>1. Work with supervisor in making observations, collect data &amp; document as per protocol</b> <b>2. Work with statistician to provide a statistical analysis of the data</b> <b>3. Participate in research meetings of the department, internal and external meetings</b> <b>4. Write abstract of work done</b> <b>Present abstract in an internal meeting and if possible at an external meeting as a poster or oral presentation</b>
<b>Portfolio entries required</b>	<b>Lab notes</b> <b>Statistical work sheet</b> <b>Consent form, Abstract created</b>
<b>Log book entry required</b>	<b>Satisfactory completion of posting with a "Meets Expectation" grade.</b>
<b>Assessment</b>	<b>Attendance Successful completion of research objectives Log book entry Presentation of the work</b>
<b>Other comments</b>	



**Elective 2: Analytical Research (secondary data analysis) Data will be provided by the department)**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Analytical Research (secondary data analysis) Data will be provided by the department)</b>
<b>Location of hospital Lab or research Facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. J Mukhopadhyay, Dr. S Maitra</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>1. To know how to represent a data set 2. To find out inference from the data set 3. To have basic idea on statistical software</b>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Microsoft excel , spss Data set</b>
<b>Learning Resources for students</b>	<b>Bio statistics Research methodology</b>
<b>List of activities in which the student will participate</b>	<b>1. Data tables and diagram 2. Analysis the data in statistical software 3. Presentation of data</b>
<b>Portfolio entries required</b>	<b>Daily log of patients seen and activities participated.</b>
<b>Log book entry required</b>	<b>Satisfactory completion of posting by institutional preceptor</b>
<b>Assessment</b>	<b>1. Attendance 2. Successful verification of required portfolio entries, Successful completion of the posting as certified</b>
<b>Other comments</b>	

**Elective 3: Focused Grouped Discussion (qualitative research) on  
Family Adoption program**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Focused Grouped Discussion (qualitative research) on Family Adoption program</b>
<b>Location of hospital Lab or research Facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. S Maitra</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>1. To know the methods of FGD</b> <b>2. To know how to write the findings of FGD</b> <b>3. Qualitative Data Analysis</b>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Laptop</b> <b>Statistical software</b>
<b>Learning Resources for students</b>	<b>Biostatistics</b> <b>Research methodology</b> <b>Qualitative research</b>
<b>List of activities in which the student will participate</b>	<b>1 conduct FGD</b> <b>2 write the report</b> <b>3 presentation of the finding</b>
<b>Portfolio entries required</b>	<b>Daily log of patients seen and activities participated.</b>
<b>Log book entry required</b>	<b>Satisfactory completion of posting by</b> <b>institutional preceptor</b>
<b>Assessment</b>	<b>3. Attendance</b> <b>4. Successful verification of required portfolio entries,</b> <b>Successful completion of the posting as certified</b>
<b>Other comments</b>	

**Elective 4: Focused Grouped Discussion (qualitative research) on mentor mantis program**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Focused Grouped Discussion (qualitative research) on mentor mantis program</b>
<b>Location of hospital Lab or research Facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. J Mukhopadhyay, Dr. S Maitra</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>4. To know the methods of FGD 5. To know how to write the findings of FGD 6. Qualitative Data Analysis</b>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Laptop Statistical softwire</b>
<b>Learning Resources for students</b>	<b>Biostatistics Research methodology Qualitative research</b>
<b>List of activities in which the student will participate</b>	<b>1 conduct FGD 2 write the report 3 presentation of the finding</b>
<b>Portfolio entries required</b>	<b>Daily log of patients seen and activities participated.</b>
<b>Log book entry required</b>	<b>Satisfactory completion of posting by institutional preceptor</b>
<b>Assessment</b>	<b>Attendance Successful verification of required portfolio entries, Successful completion of the posting as certified</b>
<b>Other comments</b>	

**Elective 5: Data Analysis with SPSS software Data sheet will be provided by the department**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Data Analysis with SPSS software Data sheet will be provided by the department</b>
<b>Location of hospital Lab or research Facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. S Maitra</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>7. To know the methods of data analysis with SPSS 8. To know how to represent data in spss</b>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Laptop Statistical software</b>
<b>Learning Resources for students</b>	<b>Biostatistics Research methodology Qualitative research</b>
<b>List of activities in which the student will participate</b>	<b>1 data cleaning and tabulation 2 data analysis 3 presentation of the finding</b>
<b>Portfolio entries required</b>	<b>Daily log of patients seen and activities participated.</b>
<b>Log book entry required</b>	<b>Satisfactory completion of posting by institutional preceptor</b>
<b>Assessment</b>	<b>Attendance Successful verification of required portfolio entries, Successful completion of the posting as certified</b>
<b>Other comments</b>	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Clinico-Radiological study of low back pain	Radio Diagnosis	(Prof.) Dr Swadha priya Basu/ Dr Soma Shekhar Dhavala/ Dr. Rahul Singla/ Dr. Shweta Kothari/ Dr. Nilanjan Mukherjee	6

### Elective 1: Clinico-Radiological study of low back pain

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinico-Radiological study of low back pain</b>
<b>Location of hospital Lab or research facility</b>	<b>Radiology Department, JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>(Prof.) Dr Swadha priya Basu/ Dr Soma Shekhar Dhavala/ Dr. Rahul Singla/ Dr. Shweta Kothari/ Dr. Nilanjan Mukherjee</b>
<b>Name of external preceptor (if any)</b>	<b>NA</b>
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To be able to enumerate the common causes of Low back pain correctly.</li> <li>2. To be able to describe the Imaging findings of most common cause of Low back pain correctly.</li> <li>3. To be able to present a history and determine the possible differentials of low back pain.</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Must have some basic knowledge of Lumbar spine anatomy.</b>
<b>Learning Resources for students</b>	<b>Essentials of Skeletal Radiology (Yochum)</b>
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"> <li>1. Work daily with a supervisor in Observing and assisting in reporting LS Spine X-rays.</li> <li>2. Participate in departmental education activities.</li> <li>3. Present at least two LS Spine X-rays done by student as a case workup.</li> </ol>
<b>Portfolio entries required</b>	<ol style="list-style-type: none"> <li>1. Documentation of worked up cases</li> <li>2. Documentation of presentation Done.</li> </ol>
<b>Log book entry required</b>	<b>Completion of posting signed by Preceptor &amp; acquiring of grade.</b>
<b>Assessment</b>	<b>Attendance Formative: Participation in Routine reporting, Presentation of worked up cases, Documentation of attendance and required portfolio and log book entries.</b>
<b>Other comments</b>	

<b>ELECTIVE BLOCK 2</b>			
<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Perioperative Care in Emergency Surgery Cases</b>	<b>General Surgery</b>	<b>Dr S K Gupta Dr Purnendu Paul</b>	<b>4</b>
<b>Perioperative Care of Diabetic Foot With Gangrene</b>	<b>General Surgery</b>	<b>Dr Sudev Saha Dr Swapan Choudhary</b>	<b>10</b>
<b>Work Up of Breast Lump Cases</b>	<b>General Surgery</b>	<b>Dr S Chakraborty Dr C Mukherjee</b>	<b>10</b>
<b>Management of Acute Pancreatitis</b>	<b>General Surgery</b>	<b>Dr Ujjwal Bhattacharya Dr Somdeep Ghosh</b>	<b>5</b>
<b>Preoperative Assessment of Incisional Hernia</b>	<b>General Surgery</b>	<b>Name of Internal Preceptor: Dr B K Chattejee Dr Swarup Anand  Name Of External Preceptor: Dr Amitesh Jha</b>	<b>10</b>

## Elective 1: Perioperative care in Emergency Surgery Cases

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Perioperative care in Emergency Surgery Cases</b>
<b>Location of hospital Lab or research facility</b>	<b>Jagannath Gupta Institute of Medical Sciences &amp; Hospital Budge Budge Kolkata 700137</b>
<b>Name of internal preceptor(s)</b>	<b>Prof (Dr) S K Gupta / Dr Purnendu Paul</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<p><b>Proper History and Clinical Examination of the Patient Who Has Attended Emergency / Opd with an Emergency Problem. To Enumerate Routine Preoperative Investigation Required to Confirm the Clinical Diagnosis Document and Follow the Preoperative Procedures Undertaken by A Resident for Management of the patient.</b></p> <p><b>To Document and Follow the Advice Regarding Management of Peri-Operative Fluid Administration And Intake Output Chart Of The Patient. Document and Learn to Inform Resident of The Immediate Changes In Patient's Condition.</b></p> <p><b>6.Documentation and Following Up The Demonstration Of Taking Informed Consent By Resident. Including The Operation To Be Performed, Its Complications And Accessory Procedures Which Might Be Needed.</b></p>
<b>Number of students that can be accommodated in this elective</b>	<b>4</b>
<b>Prerequisites for elective</b>	<b>Knowledge regarding physiology &amp; homeostasis mechanism of human body</b>
<b>Learning Resources for students</b>	<b>Short Practice of Surgery Bailey &amp; Love's and Farquharson's operative surgery</b>
<b>List of activities in which the student will participate</b>	<p><b>Participate in all emergency calls to residents regarding surgical emergency.</b></p> <p><b>OP and IP rounds of such cases admitted in specific wards. document and follow up work up of such emergency patients.</b></p> <p><b>4. Present pre and post-operative management of two emergency cases admitted.</b></p> <p><b>5. Post op evaluation and document follow up advice by the faculty members of emergency surgery cases.</b></p>
<b>Portfolio entries required</b>	<b>Assignment provided</b>
<b>Log book entry required</b>	<b>Daily record of procedures followed and activities done in the emergency situation</b>
<b>Assessment</b>	<p><b>Attendance</b></p> <p><b>Regular check of the log book every 2nd day.</b></p>
<b>Other comments</b>	



## Elective 2: Preoperative assessment of incisional hernia

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Preoperative assessment of incisional hernia</b>
<b>Location of hospital Lab or research facility</b>	<b>Jagannath Gupta Institute of Medical Sciences &amp; Hospital Budge Budge Kolkata 700137</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Sudev Saha / Dr Swapan Choudhary</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<p>To take proper history of a case of incisional hernia including previous operation details and total record of post-operative period and hospital stay.</p> <p>To document preoperative investigations advised in a case of Incisional Hernia</p> <p>To document and follow protocol of management of existing comorbid conditions preoperatively</p> <p>To document and follow protocol of life style changes to be made in the patient pre operatively</p> <p>Document and follow the preoperative consultation and advice given to the patient and its relatives preoperatively</p> <p>Document the proper method of taking Informed Consent highlighting all the complications and needs for extra procedures in detail</p>
<b>Number of students that can be accommodated in this elective</b>	<b>10</b>
<b>Prerequisites for elective</b>	<ol style="list-style-type: none"> <li>1. Knowledge of Anatomy of Anterior abdominal wall and Anatomy of ventral hernias</li> <li>2. Methods of documenting history and clinical examination of incisional hernia</li> </ol>
<b>Learning Resources for students</b>	<b>Clinical methods by S Das and Short practice of Surgery Bailey and Love's</b>
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"> <li>1. Document history and associated risk factors that lead to incisional hernia</li> <li>2. Counselling and following up the patient regarding the preoperative advice and essential life style changes in the patient as advised by the faculty members.</li> <li>3. documenting and following up the patient regarding post-operative advice and medications</li> <li>3. follow up of cases after 3 weeks</li> </ol>
<b>Portfolio entries required</b>	<p>document and record of all assignments provided</p> <ol style="list-style-type: none"> <li>2. Records of two worked up cases already presented</li> <li>3. Documentation of Self Directed Learning as summary of risk factors , preventive methods adopted and the reflection of patients seen.</li> </ol>
<b>Log book entry required</b>	
<b>Assessment</b>	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. regular follow up and check every week</li> </ol>
<b>Other comments</b>	

### Elective 3: Work Up of Breast Lump Cases

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Work Up Of Breast Lump Cases</b>
<b>Location of hospital Lab or research facility</b>	<b>Jagannath Gupta Institute Of Medical Sciences And Hospital</b>
<b>Name of internal preceptor(s)</b>	<b>Dr S Chakraborty / Dr C Mukherjee</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. History and Clinical Examination of Patients Presenting with Problems in Breast</li> <li>2. Observe and Note Procedure of Radiological Examination of Cases of Breast Complaints-Usg/ Mammogram/ MRI</li> <li>3. Observe and Note and Note Procedure Of Tru-Cut Biopsy Of Breast Lump/Usg Guided FNAC.</li> <li>4. Observe and Note Preparation of Biopsy/ Histopathology Specimen And Follow It Up For The Reports Including Ihc- Marker Identification.</li> <li>5. Observe And Document The Plan Of Management Advised And Surgical Management If Undertaken.</li> <li>6. Follow Up Of Each Case After 3 Weeks</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>10</b>
<b>Prerequisites for elective</b>	<b>Knowledge of anatomy and physiology and clinical examination of breast and Axilla.</b>
<b>Learning Resources for students</b>	<b>Clinical methods in surgery by s Das, short practice of surgery bailey</b>
<b>List of activities in which the student will participate</b>	<p>Attending Opd /Ipd to See Breast Lump Cases.            To Attend Radiology Department To See Investigation Procedures Like Usg/Mammogram/MRI            Observing Usg Guided FNAC / Trucut Biopsy Of Breast Lump In OT            Attending Ot &amp; Pathology To Observe Preparation Of Specimen For Hpe/Ihc – Study And Collecting Reports            Document Planning By Oncologist &amp; Surgeon (Team Work)            Document and Follow Up Of Patients Receiving Neo Adjuvant Ct Followed By Surgery Or Surgery Followed By Chemotherapy            Follow Up After 3 Weeks</p>
<b>Portfolio entries required</b>	<b>Assignment Provided</b>
<b>Log book entry required</b>	
<b>Assessment</b>	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Log Book Entry Checked Regularly Every Week</li> </ol>
	<b>3. Assessment At Exit Period</b>
<b>Other comments</b>	

### Elective 4: Management of acute Pancreatitis

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Management of acute Pancreatitis</b>
<b>Location of hospital Lab or research facility</b>	<b>Jagannath Gupta Institute of Medical Sciences &amp; Hospital Budge Budge Kolkata 700137</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Ujjwal Bhattacharya Dr Somdeep Ghosh</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<p>1. history and clinical examination of the patient admitted with the suspected diagnosis of acute pancreatitis.</p> <p>2. Preoperative investigations + Serum Amylase (first 24-48 hours), Lipase and others to confirm the diagnosis and find out the reason for acute pancreatitis.</p> <p>3. Scoring System – document the patient's findings according to the 3 popular scores for predicting severity of disease. (RANSON Score, APACHE 2, BISAP score, CT severity score etc.)</p> <p>4. treatment protocol of management.</p> <p>5. documentation of radiological investigations needed and their results.</p> <p>6. document and understand the protocol of management of complications</p>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Knowledge regarding pathophysiology, management &amp; complications of pancreatitis</b>
<b>Learning Resources for students</b>	<b>Short Practice of Surgery Bailey &amp; Love's and clinical methods by S Das</b>
<b>List of activities in which the student will participate</b>	<p>Participate in OP and IP rounds</p> <p>Observe and document the advices and activities of residents and faculty members</p> <p>Observe the radiological investigations being done for the patient in department of radio diagnosis.</p> <p>Present management of two cases in front of the department members</p> <p>Follow up the patient for 3 weeks and keep a record of his life style changes.</p>
<b>Portfolio entries required</b>	<b>Assignment provided</b>
<b>Log book entry required</b>	<b>documentation of all activities observed and followed up of the particular patient on daily basis.</b>
<b>Assessment</b>	<p><b>Attendance</b></p> <p><b>Daily check of the log book by the concerned resident and once a week by unit in charge</b></p> <p><b>Presentation of the cases minimum 2 to the department as a PPT.</b></p>
<b>Other comments</b>	

### Elective 5: Perioperative care of diabetic foot with Gangrene

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Perioperative care of diabetic foot with Gangrene</b>
<b>Location of hospital Lab or research facility</b>	<b>Jagannath Gupta Institute of Medical Sciences &amp; Hospital Budge Budge Kolkata 700137</b>
<b>Name of internal preceptor(s)</b>	<b>Dr B K Chattejee Dr Swarup Anand</b>
<b>Name of external preceptor (if any)</b>	<b>Dr Amitesh Jha</b>
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To understand what is gangrene.</li> <li>2. To understand what is diabetic foot gangrene.</li> <li>3. To be able to confirm diabetic gangrene by investigations.</li> <li>4. To be able to understand protocol of management of co-morbid conditions</li> <li>5. To understand severity of diabetes and follow protocol of management of blood sugar level</li> <li>6. To understand different strategies of management of treatment of diabetic foot gangrene and keep a record.</li> <li>7. document the method of taking informed consent for debilitating surgery ie amputations and disarticulations</li> <li>8. follow and understand the method of disposal of the excised organ in the operation theatre</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>10</b>
<b>Prerequisites for elective</b>	<b>Knowledge of Anatomy and Physiology of the lower Limb along with patho-physiology of diabetic vascular complications</b>
<b>Learning Resources for students</b>	<b>Short practice of Surgery Bailey and Love's , clinical method by S Das, working knowledge of treatment of diabetes as studied in pharmacology and medicine.</b>
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"> <li>1. History and clinical examination of the patient.</li> <li>2. detail examination of the limb involved along with the details of the ulcer.</li> <li>3. Assessment of vascular status of lower limb of patient clinically</li> <li>4. Observing Doppler examination of lower limbs blood vessels in radiology department and keeping a record.</li> <li>5. keeping a daily photograph of development in the ulcer.</li> <li>6. comparison of the 2 patients as per their blood glucose and HbA1c levels in relation to the development and progress of the ulcer.</li> <li>7. keeping a record of modifiable life style problems in the patients. ( smoking, obesity, hypertension)</li> </ol>
<b>Portfolio entries required</b>	<ol style="list-style-type: none"> <li>1. Document and record of all assignments provided</li> <li>2. Records of two worked up cases already presented</li> <li>3. Documentation of Self Directed Learning as-summary of risk factors , preventive methods adopted and the reflection of patients seen.</li> </ol>
<b>Log book entry required</b>	
<b>Assessment</b>	<ol style="list-style-type: none"> <li>1. Regular Attendance.</li> <li>2. presentation by PPT of 2 cases recorded and documented along with photographs in front of department of surgery</li> <li>3. record of self-directed learning of diabetes and its complications.</li> </ol>
<b>Other comments</b>	

<b>ELECTIVE BLOCK 2</b>			
<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Different Spinal Deformities/disorders and its management</b>	<b>Orthopaedics</b>	<b>Prof (Dr) U K Debnath/ Dr R Prasad</b>	<b>5</b>
<b>Orthopaedics problems in pediatric population</b>	<b>Orthopaedics</b>	<b>Dr Sudip Deb/ Dr Asif Nadeem</b>	<b>5</b>
<b>Different ligament injuries around knee and shoulder</b>	<b>Orthopaedics</b>	<b>Dr AmitavaSarkar/ Dr Rupam Chowdhury</b>	<b>5</b>
<b>Orthopaedic post operative complications and its management</b>	<b>Orthopaedics</b>	<b>Dr Arnab Panda/Dr shashank shrivastava</b>	<b>5</b>
<b>Approaches and different aspects of Low Back pain</b>	<b>Orthopaedics</b>	<b>Dr Pankaj Mazumder/ Dr Debdutta Banerjee</b>	<b>5</b>

### **Elective 1: Spinal Deformities and its management**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Different Spinal deformities and its management</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Prof (Dr) U K Debnath /Dr R Prasad</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>Selection of patients, identify the causes, examination, preoperative preparations, surgical procedure, post operative Management and rehabilitation of different types of spinal deformities</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Interest to pursue orthopedics with special interest in spine.</b>
<b>Learning Resources for students</b>	<b>Campbell's operative orthopaedics</b>
<b>List of activities in which the student will participate</b>	<b>Opd,ward,OT</b>
<b>Portfolio entries required</b>	<b>Yes</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>At week end</b>
<b>Other comments</b>	

## Elective 2: Paediatric orthopaedics

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Orthopaedics problems in pediatric population</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Sudip Deb/ Dr Asif Nadeem</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>To know about the incidence,different types of Congenital pediatric orthopaedic conditions, differences with adults,different types of pediatric fractures ,types of treatment and rehabilitation</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Active interest in children</b>
<b>Learning Resources for students</b>	<b>Rockwood Green fractures in children/ Tachdjians Pediatric Orthopaedics</b>
<b>List of activities in which the student will participate</b>	<b>AttendanceinOPD,ward, OT</b>
<b>Portfolio entries required</b>	<b>Yes</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>Weekend</b>
<b>Other comments</b>	

### **Elective 3: Different types of Sports Injuries**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Different types of Sports Injuries around shoulder and knee</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Amitava Sarkar / Dr Rupam Chowdhury</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>Different patterns of sport injuries and basic principles of their management and rehabilitation.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Interest to pursue orthopaedics and basic anatomy knowledge of different ligaments and soft tissue attachments ,their injury pattern and management</b>
<b>Learning Resources for students</b>	<b>Anatomy,Campbell operative orthopaedics</b>
<b>List of activities in which the student will participate</b>	<b>OPD,Ward, OT</b>
<b>Portfolio entries required</b>	<b>Yes</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>Weekends</b>
<b>Other comments</b>	



#### **Elective 4: Orthopaedic post operative complications**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Orthopaedic post operative complications</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Arnab Panda/Dr Shashank shrivastava</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>Different varieties of complications during orthopaedic surgeries and immediate post op period in Ortho ward, and how to manage them</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Active interest in ortho surgery and basic knowledge of pathophysiology/etiology in different kinds of post-op complications.</b>
<b>Learning Resources for students</b>	<b>Campbell's operative orthopaedics, Rockwood &amp; Green's fractures &amp; joint injuries</b>
<b>List of activities in which the student will participate</b>	<b>Patient assessment in opd, ward. Presence in ot, post op management</b>
<b>Portfolio entries required</b>	<b>Yes</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>At weekend</b>
<b>Other comments</b>	

### **Elective 5: Low Back pain**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Approaches to Low Back pain</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Pankaj Mazumder/ Dr Debdutta banerjee</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>Different causes of Low backache, prevalence in the community, problem statement, management, investigation, treatment and rehabilitation.</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5</b>
<b>Prerequisites for elective</b>	<b>Active interest in the subject and knowledge of basic anatomy and physiology of nervous system.</b>
<b>Learning Resources for students</b>	<b>Campbell's operative orthopaedics, Rockwood &amp; Green's fractures &amp; joint injuries.</b>
<b>List of activities in which the student will participate</b>	<b>Patient assessment in opd, ward. Presence in ot, presence in physiotherapy department.</b>
<b>Portfolio entries required</b>	<b>Yes</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>At weekend</b>
<b>Other comments</b>	

<b>ELECTIVE BLOCK 2</b>			
<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Exposure to Gynae Oncology service</b>	<b>Obstetrics &amp; Gynaecology</b>	<b>Dr P Jayasingh / Dr S Barua / Dr P Priyadarshini</b>	<b>5</b>
<b>High Risk Pregnancy (medical &amp; surgical)</b>	<b>Obstetrics &amp; Gynaecology</b>	<b>Dr.M Mishra/Dr S Ghosh/Dr M Sarkar</b>	<b>5-7</b>
<b>Infertility / role of MIS</b>	<b>Obstetrics &amp; Gynaecology</b>	<b>Prof (Dr.) S K Saha / Dr S Bose /Dr P Chakraborty / Prof (Dr) D Tapadar</b>	<b>5-7</b>

### Elective 1: Exposure to Gynae Oncology service

<b>Name of Block</b>	<b>Block2</b>
<b>Name of Elective</b>	<b>Exposure to Gynae Oncology service</b>
<b>Location of hospital Labor facility</b>	<b>Gynaec OPD, OT, Gynaec preoperation and post operation ward</b>
<b>Name of internal preceptor(s)</b>	<b>Dr Priyomohon Jayasingh /Dr Sarmistha Barua /Dr Priyanka Priyadarshini</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<p>1) The student will be able to discuss screening methods for gynaec malignancies like cancer cervix</p> <p>2) Will be able to know the presentation, take relevant history and elicit signs of main gynaec malignancies – cervix ,endometrium and ovary</p> <p>3) Will be able to discuss the investigations used to arrive at diagnosis</p> <p>4) Will be able to communicate bad news to patient and family with empathy Will be able to understand Multidisciplinary team management for gynaec malignancies</p> <p>5) Will be able to discuss management of precancerous and cancerous lesions</p>
<b>Number of students that can be Accommodated in this elective</b>	<b>5</b>
<b>Pre requisites for elective</b>	<p>1) Should have an Interest in Womens health in general and gynaecological cancers in particular</p> <p>2) should have a background understanding of the significance and epidemiology of the 3 main gynaecological cancers in India</p>
<b>Learning resources for students</b>	<p>Shaw's Textbook of Gynaecology</p> <p>Dutta's Textbook of Gynaecology</p>
<b>List of activities of student participation</b>	<p>1) take history from a patient with suspected/proven gynaec malignancy in Gynaec OPD/Ward-3</p> <p>2) should do speculum and bimanual pelvic examination under supervision in Gynaec OPD/Ward -1</p> <p>3) observe/assist-- pap smear/LBC screening for cervical preailgnancy and malignancy in Gynaec OPD—1 should observe how diagnosis of malignancy and management options are communicated to the patient &amp; family—1</p> <p>5) observe/assist -- VIA and cervical biopsy with or without colposcopy-1</p> <p>6) observe-Gynae onco MDT(Tumour Board)meeting with Oncologist and Pathologist-1</p> <p>7) observe/assist—staging Laparotomy for gynaec malignancy-1</p>
<b>Portfolio entries required</b>	<p>Visit at least one other department involved in care of gynaec malignancies— Daycare Chemotherapy unit/Oncology OPD/Treatment planning Room/Pathology Lab/Radiodiagnosis</p> <p>opportunity to interact with Palliative Care team</p>
<b>Log book entry required</b>	<b>List of activities specified above to be signed off</b>
<b>Assessment</b>	<b>At the end of 2 weeks—15 minute Powerpoint presentation on a gynae onco topic of interest after discussion with supervisor</b>
<b>Other comments</b>	<p>1) Introductory, midpoint and end of cycle meetings with the supervisor to check on progress</p> <p>Feedback Survey form to be filled and submitted</p>

## Elective 2: High Risk Pregnancy (medical & surgical)

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>High Risk Pregnancy (medical &amp; surgical)</b>
<b>Location of hospital Lab or research facility</b>	<b>Labour-room, 2<sup>nd</sup> stage, LROT, opd</b>
<b>Name of internal preceptor(s)</b>	<b>Dr.M mishra/Dr s ghosh/Dr m sarkar</b>
<b>Name of external preceptor (if applicable)</b>	
<b>Learning objectives of elective</b>	<b>1. To obtain experience by observing High Risk pregnancy patients.</b> <b>2. To observe &amp; prepare High Risk pregnancy patients for delivery /C. Section</b> <b>3. Counseling of couple regarding outcome of pregnancy.</b> <b>4. To learn management by multidisciplinary team.</b> <b>5. To optimize time of delivery.</b> <b>6. To note neonatal outcome</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5-7</b>
<b>Prerequisites for elective</b>	<b>Good clinical practice Basic life support</b> <b>Basic suturing and first aid Necessary immunizations Universal precaution certification</b>
<b>Learning resources for students</b>	<b>Fernando Aria's high risk pregnancy</b>
<b>List of activities of student participation</b>	<b>1. Work daily with a supervisor in observing &amp; assisting procedures.</b> <b>2. To document at least 5 procedures observed/assisted.</b>
<b>Portfolio entries required</b>	<b>Documentation of worked up cases</b>
<b>Log book entry required</b>	<b>Completion of posting signed by preceptor</b>
<b>Assessment</b>	<b>Formative:</b> <b>1) Attendance</b> <b>2) Day-to-day participation intradepartmental activity</b> <b>Performance of assigned tasks</b>
<b>Other comments</b>	

### Elective 3: Infertility / role of MIS

<b>Name of the block</b>	<b>Block 2</b>
<b>Name of the elective</b>	<b>Infertility / role of MIS</b>
<b>Location/setting</b>	<b>OPD &amp; IPD/OT</b>
<b>Internal preceptor</b>	<b>Prof (Dr.) S K Saha / Dr S Bose /Dr P Chakraborty / Prof (Dr) D Tapadar</b>
<b>External preceptor</b>	
<b>Learning objectives</b>	<b>1. To obtain experience by observing Infertility / minimal access surgery</b> <b>2. To observe counseling of couple prior to procedure.</b> <b>To be able to enumerate indications of procedure, steps of work up &amp; procedure in OPD &amp; IPD/OT.</b>
<b>Number of students</b>	<b>5-7</b>
<b>Prerequisites</b>	<b>Good clinical practice</b>  <b>Necessary immunizations</b>  <b>Universal precaution certification</b>
<b>Learning resources</b>	<b>Speroff's Clinical Gynecologic Endocrinology &amp; Infertility</b>
<b>Teaching Methods</b>	
<b>List of activities</b>	<b>1. Work daily with a supervisor in observing, assisting infertility/MIS.</b> <b>2. To document at least FIVE procedures observed/assisted.</b>
<b>Portfolio entries</b>	<b>1. Documentation of worked up cases</b>
<b>Log book entries</b>	<b>Completion of posting signed by preceptor</b>
<b>Assessment</b>	<b>Formative:</b> <b>1) Attendance</b>  <b>2) Day-to-day participation in departmental activity performance of assigned tasks</b>
<b>Feedback</b>	

**ELECTIVE BLOCK 2**

<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Effects of different factors on medical and nursing students having myopia.</b>	<b>Ophthalmology</b>	<b>Dr. Soumya Kundu Dr. Tapes Kanti Saha</b>	<b>6</b>
<b>Screening of Diabetic Retinopathy among diabetics attending JIMSH OPD and IPD.</b>	<b>Ophthalmology</b>	<b>Dr. Madhura Mukherjee Dr. Soumya Kundu</b>	<b>6</b>
<b>Screening for Dry Eye Disease among HR department staffs and support staffs of JIMSH.</b>	<b>Ophthalmology</b>	<b>Dr. Prof. Mrinal Kanti Ghosh Dr. Soumyadeep Hazra</b>	<b>6</b>
<b>Ocular Emergencies.</b>	<b>Ophthalmology</b>	<b>Dr. Nazneen Nazm Dr. Purban Ganguli</b>	<b>6</b>

**Elective 1: Effects of different factors on medical and nursing students having myopia.**

<b>Name of Block</b>	<b>BLOCK-2</b>
<b>Name of Elective</b>	<b>Effects of different factors on Medical and Nursing students having myopia.</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. Soumya Kundu Dr. Tapes Kanti Saha</b>
<b>Name of external preceptor (if any)</b>	<b>NIL</b>
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li><b>1. To be able to approach and diagnose myopia.</b></li> <li><b>2. To assess effects of various lifestyle among students with myopia.</b></li> <li><b>3. To analyse statistical data.</b></li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<ul style="list-style-type: none"> <li><b>- Permission from respective authorities.</b></li> <li><b>- Consent of the patients being examined.</b></li> </ul>
<b>Learning Resources for students</b>	<b>Standard Textbooks, Departmental handbooks provided</b>
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"> <li><b>1. Vision recording</b></li> <li><b>2. Recording of Refractive correction</b></li> <li><b>3. Examination of ocular health and performing procedures to examine ocular health</b></li> <li><b>4. Google Form to be created</b></li> <li><b>5. Collection and Maintenance of Data</b></li> </ol>
<b>Portfolio entries required</b>	<b>Results of the screening of the said population to be entered.</b>
<b>Log book entry required</b>	<b>YES</b> <ul style="list-style-type: none"> <li><b>- Daily screening activities to be entered</b></li> <li><b>- Evaluation of the entries at the end of the posting by the preceptors.</b></li> </ul>
<b>Assessment</b>	<b>MCQs, Viva, Logbook Entry Evaluation.</b>
<b>Other comments</b>	



**Elective 2: Screening of Diabetic Retinopathy among diabetics attending JIMSH OPD and IPD.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Screening of Diabetic Retinopathy among diabetics attending JIMSH OPD and IPD.</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. Madhura Mukherjee Dr. Soumya Kundu</b>
<b>Name of external preceptor (if any)</b>	<b>NIL</b>
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To be aware of the importance of screening of diabetic retinopathy in all diabetics.</li> <li>2. To be able to counsel patients for required investigations and available management options.</li> <li>3. To be able to counsel the patients about outcome of the disease.</li> <li>4. To be able to advice for lifestyle modification for patients.</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<b>Consent of the patients being examined.</b> <b>Basic knowledge about diabetic eye changes.</b>
<b>Learning Resources for students</b>	<b>Standard UG textbooks, Scholarly articles from internet</b>
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"> <li>1. Recording of vision</li> <li>2. Documentation of history and associated risk factors responsible for the condition.</li> <li>3. Documentation of results of various examination findings and any investigation findings if performed. (eg- Fundus picture, Fundoscopy changes, OCT scan findings etc)</li> <li>4. Counselling the patients about treatment options and following up.</li> <li>5. Analysis of the entered data.</li> </ol>
<b>Portfolio entries required</b>	<b>Results of the screening of the said population to be entered.</b>
<b>Log book entry required</b>	<b>YES</b> <b>-Daily documentation of the screening activities.</b> <b>-Evaluation of logbook entries by the preceptors at the end of the posting.</b>
<b>Assessment</b>	<b>MCQs, Viva/Practical, Logbook entry evaluation.</b>
<b>Other comments</b>	

**Elective 3: Screening for Dry Eye Disease among HR department staffs and support staffs of JIMSH.**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Screening for Dry Eye Disease among HR department staffs and support staffs of JIMSH</b>
<b>Location of hospital Lab or research facility</b>	<b>JIMSH, Budge Budge</b>
<b>Name of internal preceptor(s)</b>	<b>Dr. Prof. Mrinal Kanti Ghosh Dr. Soumyadeep Hazra</b>
<b>Name of external preceptor (if any)</b>	<b>NIL</b>
<b>Learning objectives of elective</b>	<ol style="list-style-type: none"> <li>1. To be able to perform basic investigative procedures.</li> <li>2. To assess effects of lifestyle among patients with dry eye.</li> <li>3. To be able to counsel the patients and advice for lifestyle modifications.</li> </ol>
<b>Number of students that can be accommodated in this elective</b>	<b>6</b>
<b>Prerequisites for elective</b>	<p><b>Consent of the patients being examined.</b></p> <p><b>Basic knowledge about dry eye disease and various treatment options.</b></p>
<b>Learning Resources for students</b>	<b>Departmental handbooks provided, Standard UG textbooks, OSDI scoring.</b>
<b>List of activities in which the student will participate</b>	<ul style="list-style-type: none"> <li>• <b>Vision recording.</b></li> <li>• <b>Documentation of associated risk factors responsible for dry eye disease.</b></li> <li>• <b>Examination of ocular health to diagnose dry eye.</b></li> <li>• <b>Performing investigative procedures required to diagnose dry eye and documentation of the findings.</b></li> <li>• <b>Collection, maintenance and analysis of the data.</b></li> </ul>
<b>Portfolio entries required</b>	<b>Results of the screening in the said population to be entered.</b>
<b>Log book entry required</b>	<p><b>YES</b></p> <p><b>-Daily documentation of the screening activities.</b></p> <p><b>- Evaluation of the logbook entries by the preceptors at the end of the posting.</b></p>
<b>Assessment</b>	<b>Viva/Practical, MCQs, Logbook entry evaluation</b>
<b>Other comments</b>	

#### **Elective 4: Ocular Emergencies.**

<b>Name of Block</b>	<b>BLOCK-2</b>
<b>Name of Elective</b>	Ocular emergencies
<b>Name of internal preceptor(s)</b>	Dr. Nazneen Nazm Dr. Purban Ganguli
<b>Name of external preceptor (if any)</b>	NIL
<b>Learning objectives of the elective</b>	<ol style="list-style-type: none"><li>1. To be able to identify the emergency conditions.</li><li>2. To be able to assess and diagnose the condition from the findings.</li><li>3. To be able to counsel the patients about management options and complications.</li><li>4. To be able to communicate with patient and patients' attenders about the situation and treatment plans.</li></ol>
<b>Number of students that can be accommodated in this elective</b>	6
<b>Prerequisites for the elective</b>	<ul style="list-style-type: none"><li>-Basic immunisation.</li><li>-Basic knowledge about ocular emergency conditions.</li><li>-Permission of EMO</li><li>- Cosnsent of the paptient or patient's attender.</li></ul>
<b>Learning resources for students</b>	Standard UG textbooks, scholarly articles from internet
<b>List of activities in which the student will participate</b>	<ol style="list-style-type: none"><li>1. Examination of patient and documentation of the findings.</li><li>2. Perform basic required procedures for diagnosis, under supervisoion.</li><li>3. Counselling of the patients and the attenders about the prognosis and treatment options available.</li><li>4. Following up of the patients and documentation of all findings on every follow up.</li><li>5. Maintanance and analysis of the documented data.</li></ol>
<b>Portfolio entries required</b>	Record keeping of cases seen and the procedures performed.
<b>Log book entry required</b>	YES <ul style="list-style-type: none"><li>- Daily documentation of the examination findings, ongoing treatment.</li><li>- Evaluation of logbook entries by the perceptrors at the end of the posting.</li></ul>
<b>Assessment</b>	Case presentation, Viva/Practical, OSCE, evaluation of logbook entries.
<b>Other comments</b>	

<b>ELECTIVE BLOCK 2</b>			
<b>Name of Elective</b>	<b>Department</b>	<b>Name of Preceptor</b>	<b>No. of students</b>
<b>Clinical laryngology and neck surgeries</b>	<b>Otorhinolaryngology</b>	<b>(Prof)Dr. Dr. S.K Ghosh / Dr. Anirban sarkar</b>	<b>5/6</b>
<b>Clinical rhinology and endoscopic surgery</b>	<b>Otorhinolaryngology</b>	<b>(Prof)Dr. Debasish Barman/ Dr. Anshu Chopra</b>	<b>5/6</b>
<b>Clinical otology and micro ear surgeries</b>	<b>Otorhinolaryngology</b>	<b>(Prof)Dr. Subrata Mukhopadhyay /Dr. M. Banerjee / Dr. Swagato Roy</b>	<b>5/6</b>

### **Elective 1: Clinical laryngology and neck surgeries**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical laryngology and neck surgeries</b>
<b>Location of hospital Lab or research facility</b>	<b>Hospital</b>
<b>Name of internal preceptor(s)</b>	<b>(Prof)Dr. Dr. S.K Ghosh / Dr. Anirban sarkar</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	To learn , examine, and treat patients with throat and neck complaints under supervision of preceptor To learn and perform FOL under supervision of preceptor To learn handling of OPD instruments
<b>Number of students that can be accommodated in this elective</b>	<b>5/6</b>
<b>Prerequisites for elective</b>	<b>Basic knowledge of throat diseases</b>
<b>Learning Resources for students</b>	
<b>List of activities in which the student will participate</b>	Examine patients with throat and neck complaints Perform minor opd procedures Handling of flexible laryngoscope Assist in throat and head and neck surgeries
<b>Portfolio entries required</b>	<b>No</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>Viva/ Practical</b>
<b>Other comments</b>	

## Elective 2: Clinical rhinology and endoscopic surgery

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical rhinology and endoscopic surgery</b>
<b>Location of hospital Lab or research facility</b>	<b>Hospital</b>
<b>Name of internal preceptor(s)</b>	<b>(Prof)Dr. Debasish Barman/ Dr. Anshu Chopra</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	To learn ,examine, and treat patients with nose and paranasal sinuses complaints under supervision of preceptor To learn and perform diagnostic nasal endoscopy under supervision of preceptor To learn handling of OPD instruments
<b>Number of students that can be accommodated in this elective</b>	<b>5/6</b>
<b>Prerequisites for elective</b>	<b>Basic knowledge Nose diseases</b>
<b>Learning Resources for students</b>	
<b>List of activities in which the student will participate</b>	Examine patients with Nose and paranasal sinuses complaints Perform minor opd procedures Handling of nasal endoscope and perform diagnostic nasal endoscopy
<b>Portfolio entries required</b>	<b>No</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>Viva/ Practical</b>
<b>Other comments</b>	

### **Elective 3: Clinical otology and micro ear surgeries**

<b>Name of Block</b>	<b>Block 2</b>
<b>Name of Elective</b>	<b>Clinical otology and micro ear surgeries</b>
<b>Location of hospital Lab or research facility</b>	<b>Hospital</b>
<b>Name of internal preceptor(s)</b>	<b>(Prof)Dr. Subrata Mukhopadhyay /Dr. M. Banerjee / Dr. Swagato Roy</b>
<b>Name of external preceptor (if any)</b>	
<b>Learning objectives of elective</b>	<b>To learn, examine, and treat patients with ear complaints under supervision of preceptor To learn and perform puretone audiometry under supervision of preceptor To learn handling of otomicroscope under supervision of preceptor</b>
<b>Number of students that can be accommodated in this elective</b>	<b>5/6</b>
<b>Prerequisites for elective</b>	<b>Basic knowledge ear diseases and handling of OPD instruments</b>
<b>Learning Resources for students</b>	
<b>List of activities in which the student will participate</b>	<b>Examine patients with ear complaints Perform minor opd procedures Handling of otoscope and assisting ear surgeries</b>
<b>Portfolio entries required</b>	<b>No</b>
<b>Log book entry required</b>	<b>Yes</b>
<b>Assessment</b>	<b>Viva/ Practical</b>
<b>Other comments</b>	