

ELECTIVE BLOCK 2

Name of Elective	Department	Name of Preceptor	No. of students
Analytical Research	Community Medicine	Dr. B. Baur, Dr. D Paul	4
Community Clinic	Community Medicine	Dr. J Mukhopadhyay, Dr. D Mallik	4
Vaccination	Community Medicine	Dr. U Dasgupta, Dr. M R Bakshi	4
Nutritional Assessment (Research)	Community Medicine	Dr. A Aikat, Dr. U Dasgupta	4
Clinical Dermatology	Dermatology	Prof Dr Soumya Panda/ Dr Swastika Debbarma/Dr Monika Khemka	2
Dermatosurgery	Dermatology	Dr Aniruddha Ghosh/ Dr Asad Ansari	2
Clinical otology and micro ear surgeries	ENT	(Prof)Dr. Subrata mukhopadhyay/Dr. M. Banerjee	6
Clinical laryngology and neck surgeries	ENT	(Prof)Dr. Subrata Mukhopadhyay/ Dr. S.k Ghosh	5
Clinical rhinology and endoscopic surgery	ENT	(Prof)Dr. Subrata Mukhopadhyay/ Dr. A. Chopra	6
Anemia evaluation	General Medicine	Dr Ratul Seal	5
Fever	General Medicine	Dr Rakhi Sanyal Dr S K Adnan Yusuf Dr Mainak Bakshi	5
Approach to articular and musculoskeletal disorder	General Medicine	Dr. Abhishek Mondal Dr. Rohitaswa Mandal	5
Diabetic Neuropathy	General Medicine	Dr Sandip Parui Dr Tapas Laha	5
Maternal and child health outreach	OBG	Dr Sharmistha/Dr Paromita/Prof M Mishra	5
Gynecologic oncology	OBG	Dr Priya Mohan/ Dr Sweta/Prof S Saha	5
Basics of minimal access surgery	OBG	Dr Avipsa/Dr Priyanka/Prof D Tapadar	5
Emergencies in Ophthalmology	Ophthalmology	Dr. Prof M K Ghosh Dr. M Mukherjee	5
Screening of primary school children for refractive error / vit A deficiency	Ophthalmology	Dr. Prof. M K Ghosh Dr. Soumya Kundu	5
Joint Replacement	Orthopedics	Prof Dr U Debnath	1

Paediatric orthopaedics	Orthopedics	Dr N K Dey	1
Spine surgery	Orthopedics	Prof U Debnath Dr D Naskar	1
Sports Medicine	Orthopedics	Prof U D ebnath, Dr D Naskar	1
Clinico-Radiological study of low back pain	Radiodiagnosis	Dr Rahul Singla/Prof.(Dr).J.K.De	6
Non-alcoholic-fatty liver disease(NAFLD)	Radiodiagnosis	Prof.(Dr).J.K.De/Dr.N.Mukherjee	6
Reading of chest X-Ray of intubated patients, position of ET tube and central venous line (CVL) etc.	Radiodiagnosis	Dr. S. Kothari / Prof (Dr) J. K .De	6
Breast feeding for infants	Pediatrics	Dr Dafodil Ghatak	3-4
Complementary feeding	Pediatrics	Dr Sunetra Roy Hazra	6
Developmental assesment	Pediatrics	Prof (Dr) Joydeep Das	6
Fluid and electrolytes	Pediatrics	Dr Manas Mahapatra	5
Assesment of growth	Pediatrics	Dr Biplab Maji	6
Normal newborn care at birth	Pediatrics	Dr Pooja Anthwal	3-4
Oxygen therapy in a child with respiratory distress	Pediatrics	Dr Daffodil Ghatak	4-6
Assessment of a child with respiratory distress	Pediatrics	Dr Biplab Maji	6
Universal immunizations program	Pediatrics	Dr Biplab Maji	6
Preoperative assessment of incisional hernia	General Surgery	Dr Manju Banerjee/ Dr B K Chattejee	6
work up of breast lump cases	General Surgery	Dr Manju Banerjee/ Dr Ahsanullah	6
Perioperative care in Emergency Surgery Cases	General Surgery	Dr S K Gupta / Dr Ahsanulla	4

Management of acute Pancreatitis	General Surgery	Dr Purnendu Paul	5
Perioperative care of diabetic foot with Gangrene	General Surgery	Dr Swapan Choudhary	6

DEPARTMENT OF COMMUNITY MEDICINE

Elective 1: Analytical Research

Name of Block	Block 2
Name of Elective	Analytical Research
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. B. Baur, Dr. D Paul
Name of external preceptor (if any)	
Learning objectives of elective	<ol style="list-style-type: none"> 1. To collect data as prescribed in the protocol 2. To document data in the electronic case record correctly. 3. To demonstrate the use of statistical software to do basic research calculations. 4. To write an abstract based on the collated data. 5. To present abstract to a group of peers and supervisors.
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Basics of Data, Data Collection and Data Analysis
Learning Resources for students	Guidelines provided by the department
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Work with supervisor in making observations, collect data and document as per protocol 2. Work with statistician to provide a statistical analysis of the data 3. Participate in research meetings of the department, internal and external meetings 4. Write abstract of work done 5. Present abstract in an internal meeting and if possible at an external meeting as a poster or oral presentation

Portfolio entries required	Lab notes Statistical work sheet Consent form Running notes Abstract created
Log book entry required	Satisfactory completion of posting with a “meets expectation” grade.
Assessment	Attendance Successful completion of research objectives Log book entry Presentation of the work
Other comments	

Elective 2: Community Clinic

Name of Block	Block 2
Name of Elective	Community Clinic
Location of hospital Lab or research facility	RHTC, Bishakakshmitala
Name of internal preceptor(s)	Dr. J Mukhopadhyay, Dr. D Mallik
Name of external preceptor (if any)	
Learning objectives of elective	1. To provide primary care to patients in a resource limited setting under supervision 2. To function as a member of a health care team in a primary care center. 3. To participate in health out reach activities of a primary care center
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Required immunisations to be taken, BLS, Basic Suturing and first aid
Learning Resources for students	The Washington Manual of Medical Therapeutics, 2019
List of activities in which the student will participate	1. Provide patient care under the supervision of a community clinic preceptor 2. Assist in common procedures in a community care clinic 3. Counsel patients in their own language 4. Participate in national health care programs offered through the PHC 5. Participate in team meetings of the PHC
Portfolio entries required	Daily log of patients seen and activities participated. At least 04 fully worked up patients to be documented
Log book entry required	Satisfactory completion of posting by institutional preceptor
Assessment	1. Attendance 2. Successful verification of required portfolio entries, 3. Successful completion of the posting as

	certified in the log book with a “meets expectation ‘M ’grade”
Other comments	

Elective 3: Vaccination

Name of Block	Block 2
Name of Elective	Vaccination
Location of hospital Lab or research facility	Burul PHC
Name of internal preceptor(s)	Dr. U Dasgupta, Dr. M R Bakshi
Name of external preceptor (if any)	
Learning objectives of elective	1. To provide vaccines to the children as per schedule under supervision 2. To function as a member of the vaccination team at RHTC. 3. To be able to treat AEFI at a primary care center
Number of students that can be accommodated in this elective	4
Prerequisites for elective	
Learning Resources for students	Park’s Textbook of Preventive and Social Medicine, 26th edition, 2022. National Immunisation Schedule. The Washington Manual of Medical Therapeutics, 2019
List of activities in which the student will participate	1. Provide patient care under the supervision of a community clinic preceptor 2. Administer vaccine under the supervision of a community clinic preceptor 3. Counsel parents in their own language 4. Participate in NIS/UPI 5. Participate in team meetings of the PHC in regards to Vaccination
Portfolio entries required	1. Weekly log of vaccines given. 2. At least 04 vaccinated patients to be documented
Log book entry required	Satisfactory completion of posting by institutional preceptor
Assessment	1. Attendance 2. Successful verification of required portfolio entries, 3. Successful completion of the posting as

	certified in the log book with a “meets expectation ‘M’ grade”
Other comments	

Elective 4: Nutritional Assessment (Research)

Name of Block	Block 2
Name of Elective	Nutritional Assessment (Research)
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. A Aikat, Dr. U Dasgupta
Name of external preceptor (if any)	
Learning objectives of elective	<p>To measure physical attributes properly</p> <p>To collect nutritional data of the patient by recall method.</p> <p>To measure anthropometric measurement of the patient.</p> <p>To collect data as prescribed in the protocol</p> <p>To document data in the electronic case record correctly.</p> <p>To demonstrate the use of statistical software to do basic research calculations.</p> <p>To write an abstract based on the collated data.</p> <p>To present abstract to a group of peers and supervisors.</p>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Basics of Data, Data Collection and Data Analysis, basics of anthropometry, RDA, Basics of Nutrition
Learning Resources for students	Guidelines provided by the department
List of activities in which the student will participate	<p>Collect anthropometric measurement of the patients.</p> <p>Work with supervisor in making observations, collect data and document as per protocol</p> <p>2. Work with statistician to provide a statistical analysis of the data</p> <p>3. Participate in research meetings of the department, internal and external meetings</p> <p>4. Write abstract of work done</p> <p>5. Present abstract in an internal meeting and if possible at an external meeting as a poster or oral presentation</p>
Portfolio entries required	<p>Lab notes</p> <p>Statistical work sheet</p> <p>Consent form</p> <p>Running notes</p> <p>Abstract created</p>
Log book entry required	Satisfactory completion of posting with a “meets expectation” grade.
Assessment	<p>Attendance</p> <p>Successful completion of research objectives</p> <p>Log book entry</p> <p>Presentation of the work</p>

Other comments	
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DEPARTMENT OF DERMATOLOGY

Elective 1: Clinical Dermatology

Name of Block	Block 2
Name of Elective	Clinical Dermatology
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr Soumya Panda/ Dr Swastika Debbarma/Dr Monika Khemka
Name of external preceptor (if any)	
Learning objectives of elective	<ol style="list-style-type: none"> 1. To diagnose common skin, hair and nail conditions. 2. To develop an understanding of the use of topical and systemic medications for various dermatological conditions. 3. To understand the importance of patient education and counselling in dermatology.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Necessary immunizations
Learning Resources for students	Departmental handbook provided
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Work daily with supervisor in observing patients in dermatology OPD 2. Participating in departmental educational activities 3. Present atleast four OPD cases to the supervisor at the end of session.
Portfolio entries required	<ol style="list-style-type: none"> 1. Documentation of worked up cases 2. Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a “meets expectation (M)grade “
Assessment	Attendance ; day-to-day participation in departmental activities; Performance of assigned tasks and presentation of worked up cases in the department
Other comments	

Elective 2: Dermatosurgery

Name of Block	Block 2
Name of Elective	Dermatosurgery
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr Aniruddha Ghosh/ Dr Asad Ansari
Name of external preceptor (if any)	
Learning objectives of elective	<ol style="list-style-type: none"> 1. To demonstrate basic dermatological procedures such as skin biopsies, intralesional drug

	delivery,electrocautery etc. 2. To demonstrate the use of LASER's(Q-Switched NDYAG, CO2)in various dermatological conditions
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Necessary immunizations
Learning Resources for students	Departmental handbook provided
List of activities in which the student will participate	1. Work daily with supervisor in observing patients in dermatology minor OT 2. Participating in departmental educational activities 3. Assisting atleast four minor OT cases performed by the supervisor at the end of session.
Portfolio entries required	1. Documentation of cases observed 2. Documentation of cases performed
Log book entry required	Completion of posting signed by preceptor with a “meets expectation (M)grade “
Assessment	1. Attendance 2. Day-to-day participation in departmental activities 3. Performance of assigned tasks
Other comments	

DEPARTMENT OF ENT

Elective 1: Clinical otology and micro ear surgeries

Name of Block	Block 2
Name of Elective	Clinical otology and micro ear surgeries
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	(Prof)dr. Subrata mukhopadhyay/dr. M. Banerjee
Name of external preceptor (if any)	
Learning objectives of elective	To learn ,examine, and treat patients with ear complaints under supervision of perceptor To learn and perform puretone audiometry under supervision of preceptor To learn handling of otomicroscope under supervision of perceptor
Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge ear diseases and handling of OPD instruments
Learning Resources for students	
List of activities in which the student will participate	Examine patients with ear complaints Perform minor OPD procedures Handling of otoscope and assisting ear surgeries

Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ practical
Other comments	

Elective 2: Clinical laryngology and neck surgeries

Name of Block	Block 2
Name of Elective	Clinical laryngology and neck surgeries
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	(Prof)dr. Subrata mukhopadhyay/ dr. S.k ghosh
Name of external preceptor (if any)	
Learning objectives of elective	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
Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge of throat diseases
Learning Resources for students	
List of activities in which the student will participate	Examine patients with throat and neck complaints Perform minor opd procedures Handling of flexible laryngoscope Assist in throat and head and neck surgeries
Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ practical
Other comments	

Elective 3: Clinical rhinology and endoscopic surgery

Name of Block	Block 2
Name of Elective	Clinical rhinology and endoscopic surgery
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	(Prof)dr. Subrata mukhopadhyay/ dr. A. Chopra
Name of external preceptor (if any)	
Learning objectives of elective	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

Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge Nose diseases
Learning Resources for students	
List of activities in which the student will participate	Examine patients with Nose and paranasal sinuses complaints Perform minor opd procedures Handling of nasal endoscope and perform diagnostic nasal endoscopy
Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ practical
Other comments	

DEPARTMENT OF GENERAL MEDICINE

Elective 1: Anemia evaluation

Name of Block	Block 2
Name of Elective	Anemia evaluation
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences
Name of internal preceptor(s)	Dr Ratul Seal
Name of external preceptor (if any)	
Learning objectives of elective	1.To detect type of anemia in an admitted or OPD patient 2. Systematic evaluation of etiology of anemia 3. Communicate to patients regarding lifestyle modifications to prevent / treat anemia 4. To describe pathophysiology of anemia in chronic diseases like CKD 5. Proper treatment of anemia patient
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Basic knowledge of red blood cell indices and peripheral blood smear interpretation
Learning Resources for students	1. Robbins and Cotran Pathologic Basis of Disease 2. Harrison's Principle of Internal Medicine 3. De Gruchy's Clinical Hematology in Medical Practice
List of activities in which the student will participate	1.Participate in IP and OP rounds. 2.Participate in afternoon teaching session. 3.Document and present 5 fully worked up cases of anemia 4. Prepare a poster of related topic assigned by preceptor.
Portfolio entries required	1.Documentation of 5 worked up cases presented 2.Poster on relevant topic 3.Summary of learning with conclusion
Log book entry required	Satisfactory completion of posting by a preceptor with a "Meets Expectations M grade"
Assessment	Attendance Formative – Participation of IP and OP rounds and team activities. Presentation of worked up cases and poster

	Required portfolio and log book entries
Other comments	

Elective 2: Fever

Name of Block	Block 2
Name of Elective	Fever
Location of hospital Lab or research facility	Medical college Male and female ward , icu Under unit 4 general medicine
Name of internal preceptor(s)	1. Dr rakhi sanyal 2. Dr sk adnan yusuf 3. Dr mainak bakshi
Name of external preceptor (if any)	
Learning objectives of elective	1. To take proper history of different Patients presentng with fever or Developing fever during the stay of Hospital 2. To provide care to fever patients 3. To study different patterns of fever, Different clinical findings. 4. To describe the pathophysiological Clinical correlates as they apply to Care of patients with fever
Number of students that can be accommodated in this elective	5
Prerequisites for elective	None
Learning Resources for students	1.macleods clinical examination 2.hutchinson”s clinical medicine 3.davidson principle and practice Of medicine
List of activities in which the student will participate	Participate in OP and IP rounds 2. Participate in afternoon teaching Sessions of the department 3. Present at least two cases that are Fully worked up in the teaching Session 4. Participate in patient education and Multidisciplinary team meetings 5. Participate in audit meetings
Portfolio entries required	Daily documentation
Log book entry required	
Assessment	Attendance Formative: Participation in OP & IP Rounds and team activities, Presentation of worked up cases, Documentation of attendance and Required portfolio and log book entries
Other comments	

Elective 3: Approach to articular and musculoskeletal disorder

Name of Block	Block 2
Name of Elective	Approach to articular and musculoskeletal disorder

Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences and Hospital
Name of internal preceptor(s)	Dr. Abhishek Mondal Dr. Rohitaswa Mandal
Name of external preceptor (if any)	
Learning objectives of elective	<ul style="list-style-type: none"> *Initial rheumatic history and physical examination of the cases in IP and OPD to determine *Anatomic localization of complaints (articular /nonarticular) *Determine the chronology (acute /chronic) *Determine the nature of pathologic process(inflammatory/non inflammatory) *Determine the extent of involvement (monoarticular/polyarticular/focal /widespread) *To consider the most common disorders first *To consider the need for diagnostic testing * Formulate a differential diagnosis *Treatment of the cases
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Basic knowledge of topographic anatomy of different joints and their movements
Learning Resources for students	<ol style="list-style-type: none"> 1. Harrison's Principle of Internal Medicine 2. Clinical Rheumatology (Prof. Dr. Rohini Handa) 3. Hutchinson's Clinical Methods
List of activities in which the student will participate	<ol style="list-style-type: none"> 1.Participate in IP and OP rounds. 2.Participate in afternoon teaching session. 3.Document and present 2 fully worked up cases of rheumatologic disorder 4. Prepare a poster of related topic assigned by preceptor. 5. Participate in patient education and multidisciplinary team meetings and audit meetings
Portfolio entries required	<ol style="list-style-type: none"> 1.Documentation of 2 worked up cases of Rheumatologic disorder 2.Poster on relevant topic 3.Summary of learning with conclusion
Log book entry required	Satisfactory completion of posting by a preceptor with a "Meets Expectations M grade"
Assessment	<ul style="list-style-type: none"> *Attendance *Formative – Participation of IP and OP rounds and team activities. *Presentation of worked up cases and poster *Required portfolio and log book entries
Other comments	

Elective 4: Diabetic neuropathy

Name of Block	Block 2
Name of Elective	Diabetic neuropathy
Location of hospital Lab or research facility	Jagannath gupta institute of medical Sciences and hospital Male and female ward , icu

	Under unit 2 general medicine
Name of internal preceptor(s)	1. Dr sandip parui 2. Dr tapas laha
Name of external preceptor (if any)	
Learning objectives of elective	1. To take proper history of different Patients presentng with diabetes and Showing signs of neuropathy. 2. To provide care to diabetic patients 3. To study different patterns of Neuropathy. 4. To describe the pathophysiological Clinical correlates as they apply to Care of patients with diabetes.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	
Learning Resources for students	1.macleods clinical examination 2.hutchinson”s clinical medicine 3.davidson principle and practice Of medicine
List of activities in which the student will participate	1.Participate in OP and IP rounds 2. Participate in afternoon teaching Sessions of the department 3. Present at least two cases that are Fully worked up in the teaching Session 4. Participate in patient education and Multidisciplinary team meetings 5. Participate in audit meetings
Portfolio entries required	Daily documentatio
Log book entry required	
Assessment	Attendance Formative: Participation in OP & IP Rounds and team activities, Presentation of worked up cases, Documentation of attendance and Required portfolio and log book entries
Other comments	

DEPARTMENT OF OBG

Elective 1: Maternal and child health outreach

Name of Block	Block 2
Name of Elective	Maternal and child health outreach
Location of hospital Lab or research facility	JIMS Hospital
Name of internal preceptor(s)	Dr Sharmistha/Dr Paromita/Prof M Mishra
Name of external preceptor (if any)	NA
Learning objectives of elective	1. To learn the epidemiology and characteristics of different pregnancy population. 2. High risk pregnancy evaluation 3. Proper Councelling of antenatal mother 4. Antepartum and intraapaertum fetal monitoring
Number of students that can be accommodated in this elective	5-7

Prerequisites for elective	
Learning Resources for students	Departmental Handbook
List of activities in which the student will participate	1. Work daily with supervisors in observing, assisting in OPD and IPD pregnant mothers 2. Participate in departmental educational activities 3. Observing and assessing at least 50 cases of antenatal patients 4. observing at least 10 high risk pregnancies.
Portfolio entries required	1. Documentation of worked up cases 2. Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Formative- day to day participation in departmental activity Performance of assigned task and presentation of worked up case in the department
Other comments	

Elective 2: Gynecologic oncology

Name of Block	Block 2
Name of Elective	Gynecologic oncology
Location of hospital Lab or research facility	JIMS Hospital
Name of internal preceptor(s)	Dr Priya Mohan/ Dr Sweta/Prof S Saha
Name of external preceptor (if any)	NA
Learning objectives of elective	1. To learn the epidemiology and characteristics of gynaecologic oncology patients. 2. Patient evaluation 3. Preoperative patient preparation 4. Post operative monitoring and complication management
Number of students that can be accommodated in this elective	5-7
Prerequisites for elective	
Learning Resources for students	Departmental Handbook
List of activities in which the student will participate	1. Work daily with supervisors in observing, assisting in gynaecologic oncology patient. 2. Participate in departmental educational activities 3. Observing at least 5 cases of gynaecologic oncology surgeries.
Portfolio entries required	1. Documentation of worked up cases 2. Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Formative- day to day participation in departmental activity Performance of assigned task and presentation of worked up case in the department
Other comments	

Elective 3: Basics of minimal access surgery

Name of Block	Block 2
Name of Elective	Basics of minimal access surgery
Location of hospital Lab or research facility	JIMS Hospital
Name of internal preceptor(s)	Dr Avipsa/Dr Priyanka/Prof D Tapadar
Name of external preceptor (if any)	NA
Learning objectives of elective	<ol style="list-style-type: none"> 1. To learn the objectives of minimal access surgery 2. To know the indication of minimal access surgery 3. Preoperative patient preparation 4. Post operative monitoring and complication management
Number of students that can be accommodated in this elective	5-7
Prerequisites for elective	
Learning Resources for students	Departmental Handbook
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Work daily with supervisors in observing, assisting in Minimal access surgeries 2. Participate in departmental educational activities 3. Observing at least 5 cases of minimal access surgeries
Portfolio entries required	<ol style="list-style-type: none"> 1. Documentation of worked up cases 2. Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Formative- day to day participation in departmental activity Performance of assigned task and presentation of worked up case in the department
Other comments	

DEPARTMENT OF OPHTHALMOLOGY

Elective 1: Emergencies in Ophthalmology

Name of Block	Block 2
Name of Elective	Emergencies in Ophthalmology
Location of hospital Lab or research facility	Emergency department of JIMSH
Name of internal preceptor(s)	Dr. Prof M K Ghosh Dr. M Mukherjee
Name of external preceptor (if any)	Nil
Learning objectives of elective	<ol style="list-style-type: none"> 1) Identify the emergency conditions 2) How to perform ocular examination in such situation 3) How to deal with the emergency situation 4) How to communicate with patient & party

	in such situation
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Basic immunisation Permission of EMO
Learning Resources for students	Basic examination tools will be provided by the department
List of activities in which the student will participate	Examine the patients Perform basic procedures under supervision Counselling of the patients & party Follow up
Portfolio entries required	Record keeping of the cases seen Record keeping of the procedures done
Log book entry required	Emergencies attended during the posting Treatment protocol
Assessment	By the preceptor at the end of the posting
Other comments	

Elective 1: Screening of primary school children for refractive error / vit A deficiency

Name of Block	Block 2
Name of Elective	Screening of primary school children for refractive error / vit A deficiency
Location of hospital Lab or research facility	Nearby schools / RHTC
Name of internal preceptor(s)	Dr. Prof. M K Ghosh Dr. Soumya Kundu
Name of external preceptor (if any)	Nil
Learning objectives of elective	1) To be able to perform basic ocular health check up of primary school children 2) To collect data & record keeping 3) Statistical analysis of the collected data 4) comparison with the normative data base if possible.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Consent of the school authority.
Learning Resources for students	Record vision Examination of ocular health to rule out anaemia, vit A deficiency, dry eye. Collect & maintain data
List of activities in which the student will participate	Data collected daily to be entered Analysis of the data at the end of posting
Portfolio entries required	Results of screening in the said population to be entered
Log book entry required	At the end of the posting by the preceptor, whether meets the expectation or not
Assessment	
Other comments	

DEPARTMENT OF ORTHOPEDICS

Elective 1: Joint Replacement

Name of Block	Block 2
Name of Elective	Joint Replacement
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof Dr U Debnath
Name of external preceptor (if any)	
Learning objectives of elective	Selection of pts, preoperative preparations, surgical procedure, post operative management
Number of students that can be accommodated in this elective	one
Prerequisites for elective	Interest to pursue orthopaedics
Learning Resources for students	Campbell's operative orthopaedics
List of activities in which the student will participate	Opd, ward, pathology, ot
Portfolio entries required	yes
Log book entry required	yes
Assessment	At weekend
Other comments	

Elective 2: Paediatric orthopaedics

Name of Block	Block 2
Name of Elective	Paediatric orthopaedics
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr N K Dey
Name of external preceptor (if any)	Dr Joydeep Das
Learning objectives of elective	To know about the incidence,diff types of childhood diseases & trauma, diferece with adults, types of treatment
Number of students that can be accommodated in this elective	one
Prerequisites for elective	Active interest in kids
Learning Resources for students	Rockwood Green fractures in children
List of activities in which the student will participate	Attendance in opd, w ard,ot
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Weekend
Other comments	

Elective 3: Spine surgery

Name of Block	Block 2
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Name of Elective	Spine surgery
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof U Debnath Dr D Naskar
Name of external preceptor (if any)	
Learning objectives of elective	Learn diff types of spine trauma, degenerative diseases, infective diseases
Number of students that can be accommodated in this elective	one
Prerequisites for elective	Knowledge of spine anatomy
Learning Resources for students	Anatomy, Campbell operative orthopaedics
List of activities in which the student will participate	OPD, Ward- pt assessment, investigations, management
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Weekends
Other comments	

Elective 4: Sports Medicine

Name of Block	Block 2
Name of Elective	Sports Medicine
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof U D ebnath, Dr D Naskar
Name of external preceptor (if any)	
Learning objectives of elective	Know in more detail about diff Types of sports injuries & their Management including arthroscopy
Number of students that can be accommodated in this elective	one
Prerequisites for elective	Active interest in the subject
Learning Resources for students	Campbell's operative orthopaedics, Rockwood & Green's ractures & jt injuries
List of activities in which the student will participate	Pt assessment in opd, ward. Presence in ot, post op management
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	At weekend
Other comments	

DEPARTMENT OF RADIODIAGNOSIS

Elective 1: Clinico-Radiological study of low back pain

Name of Block	Block 2
Name of Elective	Clinico-Radiological study of low back pain
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr Rahul Singla/Prof.(Dr).J.K.De
Name of external preceptor (if any)	NA
Learning objectives of elective	To find out the common causes of LBP 1. Provide care of back pain

	2. To counsel patients about care of back pain, modification of posture most important.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Must have basic immunisation including covid-19 vaccination
Learning Resources for students	A text book of Radiology by DAVID SUTTON.
List of activities in which the student will participate	History Taking, Clinical Examinations, Careful reading of X-Ray of LS SPINE in different views/MRI Of LS SPINE Call for the patients for clinical examination and to correlated with radiological findings, Participation in afternoon teaching session and To attend departmental Audit meetings.
Portfolio entries required	At least two case presentation Documentation of summary of case etc.
Log book entry required	satisfactory completion & acquiring of grade etc.
Assessment	
Other comments	1.Proper Care of patients proper documentation. 2.Render due respect to the patients. 3.Proper consent of the patients during clinical examination. 4.Proper protection against radiation hazards.

Elective 2: Non-alcoholic-fatty liver disease(NAFLD)

Name of Block	Block 2
Name of Elective	Non-alcoholic-fatty liver disease(NAFLD)
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof.(Dr).J.K.De/Dr.N.Mukherjee
Name of external preceptor (if any)	NA
Learning objectives of elective	1.Early diagnosis by history, clinical and USG examinations 2.Liver function test to correct any abnormality 3.clinico-pathophysiological correlation. 4.Metabolic syndrome correlation. 5.counsel patients about outcome of disease 6.Advice for Life style modification of patients
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Must Have basic immunisation including against covid-19, basic life support training.
Learning Resources for students	Diagonostic ultrasound by CAROL M.RUMACK
List of activities in which the student will participate	1.Participate in clinical & USG examination of both OPD & Indoor patients. 2.To Participate in afternoon teaching session. 3.Participate in clinical and audit meetings.
Portfolio entries required	Two worked up case records to be presented, documentation of learning as summary & assessment.
Log book entry required	satisfactory completion & acquiring of grade.
Assessment	Attendance, participation in clinical and USG Examination of indoor and outdoor patients,

	completion of log book
Other comments	1.Proper Care of patients 2.Render due respect to the patients. 3.Proper consent of the patients during clinical examination. 4. proper documentation 5.Proper radiation protection.

Elective 3: Reading of chest X-Ray of intubated patients, position of ET tube and central venous line (CVL) etc.

Name of Block	Block 2
Name of Elective	Reading of chest X-Ray of intubated patients, position of ET tube and central venous line (CVL) etc.
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr. S. Kothari / Prof (Dr) J. K .De
Name of external preceptor (if any)	NA
Learning objectives of elective	1. Reading of portable X-Ray AP view and reason behind. 2. Position of ET tube and its importance. 3. Position of CVL 4. How to introduce ET tube and CVL at bed side in ICU 5. Complications of ET tube and CVL with positioning, early diagnosis.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Must Have basic immunisation including against covid-19. Aseptic entry into ICU room.
Learning Resources for students	OXFORD HANDBOOK OF CRITICAL CARE LATEST EDITION. TEXT BOOK OF CRITICAL CARE 8TH EDITION ELSEVIER HEALTH SCIENCES
List of activities in which the student will participate	Participate in clinical & radiological assessment if ICU intubated patients. correlation of lab parameters with X-Ray chesty
Portfolio entries required	At least two worked up cases to be presented, documentation.
Log book entry required	satisfactory completion & acquiring of grade.
Assessment	Attendance ,participation in discussion clinical lab par-rameters and chest X-Ray interpretation
Other comments	1.Care of patients 2.Render due respect to the patients. 3.Proper consent of the patients 4. proper documentation 5.Proper radiation protection.

Elective 1: Breast feeding for infants

Name of Block	Block 2
Name of Elective	Breast feeding for infants
Location of hospital Lab or research facility	Antenatal/Postnatal wards , JIMS Hospital
Name of internal preceptor(s)	Dr Dafodil Ghatak
Name of external preceptor (if any)	NA
Learning objectives of elective	To promote and support optimal breast feeding for infants
Number of students that can be accommodated in this elective	3-4
Prerequisites for elective	Awareness of the cultural beliefs and practices of breast feeding
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	Explain the physiology of lactation Describe the composition and types of breast milk and discuss the differences between cow's milk and human milk. Discuss the advantages of breast milk Observe the correct technique of breast feeding and distinguish right from wrong techniques
Portfolio entries required	Documentation of worked up cases on Log book (at least 4 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Educate mothers on antenatal ward about breast feeding and prepare for lactation Educate and counsel mothers for best practices in breast feeding Perform breast examination and identify common problems during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess Enumerate the baby friendly hospital initiatives Respects patient privacy
Other comments	

Elective 2: Complementary feeding

Name of Block	Block 2
Name of Elective	Complementary feeding
Location of hospital Lab or research facility	Paediatric wards/OPD JIMS Hospital
Name of internal preceptor(s)	Dr Sunetra Roy Hazra
Name of external preceptor (if any)	Na
Learning objectives of elective	To learn the principles of Complementary Feeding.
Number of students that can be accommodated in this elective	6-8
Prerequisites for elective	Basic knowledge about complementary feeding habits/patterns in Indian infants

Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	Describe the age related nutritional needs of infants Explains the calorific value of common Indian foods Define the term Complementary Feeding Discuss the principles, the initiation, attributes, frequency, techniques Discuss hygiene related to Complementary Feeding including IYCF
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Enumerate the common complimentary foods Elicit history from parents about their prior knowledge and concept on complementary feeding. Counsel and educate mothers on the best practices in complimentary feeding
Other comments	

Elective 3: Developmental Assesment

Name of Block	Block 2
Name of Elective	Developmental Assesment
Location of hospital Lab or research facility	Paediatric wards/OPD JIMS Hospital
Name of internal preceptor(s)	PROF and HOD DR JOYDEEP DAS
Name of external preceptor (if any)	NA
Learning objectives of elective	To learn how to perform developmental assessment and document in a log book about normal/abnormal development.
Number of students that can be accommodated in this elective	6-8
Prerequisites for elective	Basic knowledge about normal developmental pattern in infant/children
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	Learn from supervisor about normal developmental mile stones with respect to motor, behaviour, social, adaptive and Language. Discuss the methods of assessment of development
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation (M) grade
Assessment	Able to define development Able to discuss the normal developmental mile stones with respect to motor, behaviour, social, adaptive and language. Able to perform developmental assessment and interpret abnormal development. Discuss the etio-pathogenesis, clinical presentation and multi-disciplinary approach in the management of Cerebral palsy.
Other comments	

Elective 4: Fluid and Electrolytes

Name of Block	Block 2
Name of Elective	Fluid And Electrolytes
Location of hospital Lab or research facility	Paediatric wards/PICU/NICU JIMS Hospital
Name of internal preceptor(s)	Dr Manas Mahapatra
Name of external preceptor (if any)	NA
Learning objectives of elective	To learn the principles of fluid and electrolyte balance
Number of students that can be accommodated in this elective	4-6
Prerequisites for elective	Basic knowledge about fluid and electrolyte composition of body and their balance
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	Discuss the fluid and electrolyte balance in the body Discuss the fluid and electrolyte requirement in health and disease Discuss the clinical features and complications of common fluid and electrolyte imbalance Outline the management of common fluid and electrolyte imbalance Demonstrate the steps of inserting an IV cannula in a model
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Interpret a electrolyte report Calculate fluid requirement and identify electrolyte imbalance if any in a sick child Describe the management of a common fluid and electrolyte imbalance (Case based)
Other comments	

Elective 5: Assessment of Growth

Name of Block	Block 2
Name of Elective	Assesment Of Growth
Location of hospital Lab or research facility	Paediatric Wards/OPD JIMS Hospital
Name of internal preceptor(s)	Dr Biplab Maji
Name of external preceptor (if any)	Na
Learning objectives of elective	To Learn How To Perform Anthropometric Measurements And Document In A Growth Charts And Its Interpretation
Number of students that can be accommodated in this elective	8-10
Prerequisites for elective	Basic Knowledge About Normal Growth Pattern In Children
Learning Resources for students	Standard UG Paediatric Textbook
List of activities in which the student will participate	Learn From Supervisor How To Perform Anthropometric Measurements Including Height/Length , Weight , Head Circumference ,Mid-Parental Height

	Learn How To Plot In Growth Charts (WHO / IAP) Discussion About Abnormal Growth Patterns Discussion About The Difference Between Constitutional Short Stature And Familial Short Stature
Portfolio entries required	Documentation Of Worked Up Cases On Growth Chart (At Least 6 Cases In Total)
Log book entry required	Completion Of Posting Signed By Preceptor With A Meets Expectation(M) Grade
Assessment	Able To Perform Anthropometric Measurements Including Height/Length , Weight , Head Circumference ,Mid-Parental Height Able To Plot In Growth Charts (WHO / IAP) Able To Interpret Abnormal Growth Patterns On A Growth Charts Able To Describe The Differences Between Constitutional Short Stature And Familial Short Stature Discuss The Etio-Pathogenesis, Clinical Features And Management Of A Child With Short Stature
Other comments	

Elective 6: Normal Newborn Care at Birth

Name of Block	Block 2
Name of Elective	Normal Newborn Care At Birth
Location of hospital Lab or research facility	Labour Room/OT/Post Natal Wards JIMS Hospital
Name of internal preceptor(s)	Dr Pooja Anthwal
Name of external preceptor (if any)	Na
Learning objectives of elective	To Observe And Learn The Principles Of Normal Newborn Care And Safe Newborn Practices
Number of students that can be accommodated in this elective	3-4
Prerequisites for elective	Basic Knowledge About The Principles Of Normal Newborn Care
Learning Resources for students	Standard UG Paediatric Textbook
List of activities in which the student will participate	Explain The Care At Birth Of A Normal Neonate Assessment Of A Normal Neonate At Birth Observe Neonatal Resuscitation In A Manikin Counsel / Educate Mothers On The Care Of Neonates After Birth Explain The Follow Up Care For Neonates
Portfolio entries required	Documentation Of Worked Up Cases On Log Book (At Least 6 Cases In Total)
Log book entry required	Completion Of Posting Signed By Preceptor With A Meets Expectation(M) Grade
Assessment	Define The Common Neonatal Nomenclatures Including The Classification

	Describe The Characteristics Of A Normal Term Neonate And High Risk Neonates Perform Neonatal Resuscitation In A Manikin Explain The Follow Up Care For Neonates Including Breast Feeding, Temperature Maintenance, Immunization, Importance Of Growth Monitoring And Red Flags
Other comments	

Elective 7: Oxygen Therapy in a Child With Respiratory Distress

Name of Block	Block 2
Name of Elective	Oxygen Therapy In A Child With Respiratory Distress
Location of hospital Lab or research facility	Paediatric Emergency /PICU JIMS Hospital
Name of internal preceptor(s)	DR DAFFODIL GHATAK
Name of external preceptor (if any)	NA
Learning objectives of elective	To learn the principles of oxygen therapy in a child with respiratory distress
Number of students that can be accommodated in this elective	4-6
Prerequisites for elective	Basic knowledge about different oxygen delivery systems and their utility and drawback
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	Discussion with the supervisor about different oxygen delivery systems and their utility and drawback Choosing a delivery system for a child considering various factors like age , anxiety , consciousness , breathing efforts , severity of the distress etc Method of applying the child on that system Assessment of vitals after therapy Discussion on if any need for escalation or deescalation of therapy .
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	Candidate is able to identify various oxygen delivery systems Candidate is able to chose an appropriate system for optimum therapy Candidate is able to put a child on that delivery system Candidate is able to monitor vitals after delivering a therapy to asses its adequacy Discuss advantages and disadvantage of different oxygen delivery systems
Other comments	

Elective 8: Assessment of A Child with Respiratory Distress

Name of Block	Block 2
Name of Elective	Assessment Of A Child With Respiratory

	Distress
Location of hospital Lab or research facility	Paediatric Emergency /PICU JIMS Hospital
Name of internal preceptor(s)	Dr BIPLAB MAJI
Name of external preceptor (if any)	NA
Learning objectives of elective	To learn the principles of assessment and basics of management of a child with respiratory distress
Number of students that can be accommodated in this elective	6-8
Prerequisites for elective	Basic knowledge about common lower respiratory infections in children including bronchiolitis, wheeze associated LRTI, Pneumonia and empyema.
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	1. Assessment with the supervisor , of a child with respiratory distress at emergency room /OPD/Wards/PICU 2. Taking history regarding danger signs 3. Examination of the child to assess severity 4. Initial management of a child with respiratory distress.
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	1. Candidate is able to ask if the child is able to drink or breastfeed , vomit everything or had convulsions?. 2. Candidate is able to ask if the child is lethargic or unconscious. 3. Count the breaths in one minute.Look for chest indrawing . Look and listen for stridor 4. Interpret CXR in lower respiratory tract infection, understand the significance of thymic shadow in pediatric chest X-rays 5. Able to discuss management of cough cold/pneumonia/very severe pneumonia as per IMNCI guideline 6. Describe the etio-pathogenesis, diagnosis, clinical features, management and prevention of lower respiratory infections including bronchiolitis, wheeze associated LRTI and empyema
Other comments	

Elective 9: Universal Immunizations Program

Name of Block	Block 2
Name of Elective	Universal Immunizations Program
Location of hospital Lab or research facility	Paediatric wards/OPD/Postnatal wards JIMS Hospital

Name of internal preceptor(s)	Dr Biplab Maji
Name of external preceptor (if any)	NA
Learning objectives of elective	To learn the principles of Universal Immunizations program and safe vaccine practices
Number of students that can be accommodated in this elective	6-8
Prerequisites for elective	Basic knowledge about the principles of Universal Immunizations Program
Learning Resources for students	Standard UG paediatric textbook
List of activities in which the student will participate	1. Explain the components of the Universal Immunization Program and the National Immunization Program 2. Describe the components of safe vaccine practice – Patient education/ counselling; adverse events following immunization, safe injection practices, documentation and Medico-legal implications 3. Assess patients for fitness for immunization and prescribe an age appropriate immunization schedule 4. Observe the handling and storing of vaccines 5. Observe the administration of UIP vaccines 6. Practice Infection control measures and appropriate handling of the sharps
Portfolio entries required	Documentation of worked up cases on Log book (at least 6 cases in total)
Log book entry required	Completion of posting signed by preceptor with a meets expectation(M) grade
Assessment	1. Educate and counsel a patient/parents for immunization 2. Define cold chain and discuss the methods of safe storage and handling of vaccines 3. Document Immunization in an immunization record 4. Explain the term implied consent in Immunization services 5. Enumerate available newer vaccines and their indications including pentavalent pneumococcal, rotavirus, JE, typhoid IPV & HPV
Other comments	

DEPARTMENT OF GENERAL SURGERY

Elective 1: Preoperative assessment of incisional hernia

Name of Block	Block 2
Name of Elective	Preoperative assessment of incisional hernia
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Dr Manju Banerjee/ Dr B K Chattejee
Name of external preceptor (if any)	Dr Amitesh Jha
Learning objectives of elective	<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>
Number of students that can be accommodated in this elective	10
Prerequisites for elective	<ol style="list-style-type: none"> 1. Knowledge of Anatomy of Anterior abdominal wall and Anatomy of ventral hernias 2. Methods of documenting history and clinical examination of incisional hernia
Learning Resources for students	Clinical methods by S Das and Short practice of Surgery Bailey and Love's
List of activities in which the student will participate	<ol style="list-style-type: none"> 1. Document history and associated risk factors that lead to incisional hernia 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. 3. documenting and following up the patient regarding post operative advice and medications 3. follow up of cases after 3 weeks
Portfolio entries required	<p>document and record of all assignments provided</p> <ol style="list-style-type: none"> 2. Records of two worked up cases already presented 3. Documentation of Self Directed Learning as summary of risk factors , preventive methods adopted and the reflection of patients seen.
Log book entry required	

Assessment	1.Attendance 2.regular follow up and check every week
Other comments	

Elective 2: Work Up Of Breast Lump Cases

Name of Block	Block 2
Name of Elective	Work Up Of Breast Lump Cases
Location of hospital Lab or research facility	Jagannath Gupta Institute Of Medical Sciences And Hospital
Name of internal preceptor(s)	Dr Manju Banerjee/ Dr Ahsanullah
Name of external preceptor (if any)	
Learning objectives of elective	1. History And Clinical Examination Of Patients Presenting With Problems In Breast 2.Observe And Note Procedure Of Radiological Examination Of Cases Of Breast Complaints- Usg/ Mammogram/ Mri 3. Observe And Note And Note Procedure Of Tru-Cut Biopsy Of Breast Lump/Usg Guided Fnac. 4. Observe And Note Preparation Of Biopsy/ Histopathology Specimen And Follow It Up For The Reports Including Ihc- Marker Identification. 5.Observe And Document The Plan Of Management Advised And Surgical Management If Undertaken. 6. Follow Up Of Each Case After 3 Weeks
Number of students that can be accommodated in this elective	10
Prerequisites for elective	KNOWLEDGE OF ANATOMY AND PHYSIOLOGY AND CLINICAL EXAMINATION OF BREAST AND AXILLA.
Learning Resources for students	CLINICAL METHODS IN SURGERY BY S DAS, SHORT PRACTICE OF SURGERY BAILEY
List of activities in which the student will participate	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 & Pathology To Observe Preparation Of Specimen For Hpe/Ihc – Study And Collecting Reports Document Planning By Oncologist & 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
Portfolio entries required	Assignment Provided
Log book entry required	
Assessment	1.Attendance 2.Log Book Entry Checked Regularly Every Week

	3. Assessment At Exit Period
Other comments	

Elective 3: Perioperative care in Emergency Surgery Cases

Name of Block	Block 2
Name of Elective	Perioperative care in Emergency Surgery Cases
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Dr S K Gupta / Dr Ahsanulla
Name of external preceptor (if any)	
Learning objectives of elective	<p>Proper History And Clinical Examination Of The Patient Who Has Attended Emergency / Opd With An Emergency Problem.</p> <p>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.</p> <p>To Document And Follow The Advice Regarding Management Of Peri-Operative Fluid Administration And Intake Output Chart Of The Patient.</p> <p>Document And Learn To Inform Resident Of The Immediate Changes In Patient's Condition.</p> <p>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.</p>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Knowledge regarding physiology & homeostasis mechanism of human body
Learning Resources for students	Short Practice of Surgery Bailey & Love's and Farquharson's operative surgery
List of activities in which the student will participate	<p>Participate in all emergency calls to residents regarding surgical emergency.</p> <p>OP and IP rounds of such cases admitted in specific wards.</p> <p>document and follow up work up of such emergency patients.</p> <p>4. Present pre and post operative management of two emergency cases admitted.</p> <p>5. Post op evaluation and document follow up advice by the faculty members of emergency surgery cases.</p>
Portfolio entries required	Assignment provided
Log book entry required	daily record of procedures followed and activities done in the emergency situation
Assessment	<p>Attendance</p> <p>Regular check of the log book every 2nd day.</p>
Other comments	

Elective 4: Management of acute Pancreatitis

Name of Block	Block 2
Name of Elective	Management of acute Pancreatitis
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Dr Purnendu Paul
Name of external preceptor (if any)	
Learning objectives of elective	<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 24-48hours),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>
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Knowledge regarding pathophysiology, management & complications of pancreatitis
Learning Resources for students	Short Practice of Surgery Bailey & Love's and clinical methods by S Das
List of activities in which the student will participate	<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 radiodiagnosis.</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>
Portfolio entries required	Assignment provided
Log book entry required	documentation of all activities observed and followed up of the particular patient on daily basis.
Assessment	<p>Attendance</p> <p>Daily check of the log book by the concerned resident and once a week by unit in charge</p> <p>Presentation of the cases minimum 2 to the department as a PPT.</p>
Other comments	

Elective 5: Perioperative care of diabetic foot with Gangrene

Name of Block	Block 2
Name of Elective	Perioperative care of diabetic foot with Gangrene
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Dr Swapan Choudhary
Name of external preceptor (if any)	
Learning objectives of elective	<ol style="list-style-type: none"> 1.To understand what is gangrene. 2. To understand what is diabetic foot gangrene. 3.To be able to confirm diabetic gangrene by investigations. 4.To be able to understand protocol of management of co-morbid conditions 5.To understand severity of diabetes and and follow protocol of management of blood sugar level 6. To understand different strategies of management of treatment of diabetic foot gangrene and keep a record. 7. document the method of taking informed consent for debilitating surgery ie amputations and disarticulations 8. follow and understand the method of disposal of the excised organ in the operation theatre
Number of students that can be accommodated in this elective	10
Prerequisites for elective	Knowledge of Anatomy and Physiology of the lower Limb along with patho-physiology of diabetic vascular complications
Learning Resources for students	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.
List of activities in which the student will participate	<ol style="list-style-type: none"> 1.History and clinical examination of the patient. 2. detail examination of the limb involved along with the details of the ulcer. 3.Assessment of vascular status of lower limb of patient clinically 4.Observing doppler examination of lower limbs blood vessels in radiology department and keeping a record. 5. keeping a daily photograph of development in the ulcer. 6.comparison of the 2 patients as per their blood glucose and HbA1c levels in relation to the development and progress of the ulcer. 7.keeping a record of modifiable life style problems in the patients. (smoking, obesity, hypertension)
Portfolio entries required	Record and documentation of Assignments provided. Records of two worked up cases already

	presented Documentation of Self Directed Learning as summary and reflection.
Log book entry required	
Assessment	1. Regular Attendance. 2.presentation by PPT of 2 cases recorded and documented along with photographs in front of department of surgery 3. record of self directed learning of diabetes and its complications.
Other comments	