

SETH GS MEDICAL COLLEGE & KEM HOSPITAL

Course Content

Second MBBS (from Feb/March 2021)

Subject- Respiratory Medicine (Practical)

(Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol.2/3)

1. Total Teaching hour:30
2. A. Lectures (hours): NIL
B. Self-directed learning (hours): NIL
C. Clinical posting (hours): 30
D. Small group teachings/tutorials/Integrated teaching/ Practicals (hours): NIL

Term I/II

Week/Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration/Time	TL Method
1/1	Monday	CT 1.5	Case presentation History taking – I Cardinal symptoms – I (cough/sputum/fever/hemoptysis)	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 1.5	History taking –II Cardinal symptoms- II (Breathlessness/Chest pain/Wheezing)	10.30 am to 12.00pm	Bed side clinic DOAP session
1/2	Tuesday	CT 1.6	Case presentation General examination Respiratory system examination Other systems examination	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 1.8	Generate differentials diagnosis & most likely diagnosis	10.30 am to	Bed side clinic DOAP session

		CT 1.9	Communication with patients family members about diagnosis & treatment	12.00pm	Bed side clinic DOAP session
1/3	Wednesday	CT 1.9	Investigation of a case based on clinical presentation like. CBC Chest x-ray, sputum examination, Montoux test, HIV Test, Pleural fluid examination	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 1.11	Assist in the performance, outline the correct tests that require to be performed and interpret the results of a pleural fluid aspiration	10.30 am to 12.00pm	Bed side clinic DOAP session
		CT 1.7	Tuberculin testing & Interpretation of test result		Bed side clinic DOAP session
1/4	Thursday	CT 2.8	Case presentation Obstructive airway disease, etiologies, severity and precipitants	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 2.9	General examination (OAD) Respiratory system examination	10.30 am to 12.00pm	Bed side clinic DOAP session
1/5	Friday	CT 2.10	Generate a differential diagnosis and Most possible diagnosis	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 2.27 CT 2.24	Investigation, Treatment Modalities, Communication with patients relative. Impact on patients Quality of life wellbeing, work & family		
		CT 2.11	Pulmonary function test, visit to lab, describe Spirometry – I	10.30 am to 12.00pm	Bed side clinic DOAP session

2/1	Monday	CT 2.14	Normal Chest radiology- I	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 2.18 CT 2.19 CT 2.20 CT 2.22	Aerosol therapy/ inhaled bronchodilator inhaled steroids Oxygen therapy	10.30 am to 12.00pm	Bed side clinic DOAP session
2/2	Tuesday	CT 1.15 CT 1.1.6	Visit to RNTCP DOTS Center-I Orientation of National TB Elimination Program. DOTS, DOTS Plus. Chemoprophylaxis in Health Care Worker	9.00 am to 10.30 am	Bed side clinic DOAP session
		CT 2.21 CT2.28 CT2.27 CT2.25	Smoking ceasation and impact of OAD On society and work place	10.30 am to 12.00pm	
2/3	Wednesday	CT 2.14	Abnormal Chest radiology-II	9.00 am to 10.30 am	Bed side clinic DOAP session
			Discuss and interpret spirometry	10.30 am to 12.00pm	
2/4	Thursday	CT 1.7	Principles of arterial blood gas analysis and pulse Oxymetry	9.00 am to 10.30 am	Bed side clinic DOAP session
			Ward Procedure, Tuberculin testing and interpretation of result. Indication and pit falls of test	10.30 am to 12.00pm	Bed side clinic DOAP session

2/5	Friday	CT 2.9	<p>Case presentation,Respiratory system symptoms and signs</p> <p>Short cases-Pleural effusion/Consolidation/Pneumonia/</p> <p>Term Exam</p>	<p>9.00 am to 10.00 am</p> <p>10.00 am to 12.00pm</p>	<p>Viva and maintenance of log book</p>
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DEPARTMENT OF COMMUNITY MEDICINE
SETH G S MEDICAL COLLEGE AND KEM HOSPITAL
FIRST CLINICAL POSTING TIMETABLE

Day	Week	Sr. No.	Activity
1	1	1	Public Health Visit – 1
2	1	2	Public Health Visit – 2
3	1	3	Public Health Visit – 3
4	1	4	Public Health Visit – 4
5	1	5	Public Health Visit – 5
1	2	6	Public Health Visit – 6
2	2	7	Public Health Visit – 7
3	2	8	Family Visits – 1
4	2	9	Family Visits – 2
5	2	10	Family Visits – 3
1	3	11	Family Visits – 4
2	3	12	Biostatistics – 1
3	3	13	Biostatistics – 2
4	3	14	Biostatistics – 3
5	3	15	Biostatistics – 4
1	4	16	Biostatistics – 5
2	4	17	Biostatistics – 6
3	4	18	Biostatistics – 7
4	4	19	Self Directed Learning
5	4	20	Self Directed Learning

Seth GS Medical College & KEM Hospital

Course Content

Second MBBS

Subject: Dermatology

Total Teaching Hours:

1. Clinical Posting: 30 hours
2. Lectures: -
3. Self-Directed learning: -
4. Small group/Tutorials/Integrated teaching: -
5. Distribution: 24 hours teaching and 6 hours examination

Week/Day	Day	Competency nos	Topic And Subject	Duration	TL method
1/1		1.2	Identify and grade the various common types of acne	1.5 hour	Bedside clinic
1/1			Cautery- Chemical and Electrical	1.5 Hour	Bedside Clinic / Skills Lab
1/2		3.1	Identify and distinguish psoriatic lesions from other causes	1 hour	Bedside clinic
1/2		3.2	Demonstrate the grattage test	0.5 hours	Bedside clinic
1/2		4.1	Identify and distinguish lichen planus lesions from other causes	1.5 hour	Bedside clinic
1/3		5.2	Identify and differentiate scabies from other lesions in adults and children	1 hour	Bedside clinic
1/3		6.2	Identify and differentiate pediculosis from other skin lesions in adults and children	1 hour	Bedside clinic
1/3			Tissue Smear	1 Hour	Bedside Clinic / Skills Lab
1/4		15.1	Identify and distinguish folliculitis impetigo and carbuncle from other skin lesions	1 hour	Bedside clinic
1/4		15.2	Identify staphylococcus on a gram stain	1 hour	Bedside Clinic / Skills Lab
1/4		15.4	Enumerate the indications for surgical referral	1 hour	DOAP session
			WEEK 2		
1/5		8.2	Identify and distinguish herpes simplex and herpes labialis from other skin lesions	1 hour	DOAP session
1/5		8.3	Identify and distinguish herpes zoster and varicella from other skin lesions	1 hours	DOAP session
1/5		13.1	Distinguish bulla from vesicles	0.5 hours	Bedside clinic
1/5			PRACTISE SESSION FOR SKILLS LAB/WARD ROUND	0.5 hour	Bedside Clinic / Skills Lab

2/1		8.4	Identify and distinguish viral warts from other skin lesions	1 hours	DOAP session
2/1		8.5	Identify and distinguish molluscum contagiosum from other skin lesions	1 hours	DOAP session
2/1		13.3	Calculate the body surface area of involvement of vesiculobullous lesions	1 hours	Bedside clinic
2/2		13.2	Demonstrate the Tzanck test, nikolsky sign and bulla spread sign	2 hours	Bedside Clinic / Skills Lab
2/2			PRACTISE SESSION FOR SKILLS LAB/WARD ROUND	1 hour	Bedside Clinic / Skills Lab
2/3		2.1	Identify and differentiate vitiligo from other causes of hypopigmented lesions	3 hours	Bedside clinic
2/4			Clinical Assessment	3 Hours	Case presentation
2/5			Skills Assessment – Certifiable Skills	3 Hours	OSCE skills / Logbook documentation

Seth GS Medical College & KEM

Hospital

Course Content

Second MBBS (from Feb/ March 2021)

Subject: ENT (Practical)

(Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3)

1. Total Teaching hours : **25+ 60**

2. A. Lectures(hours): **25**

B. Self-directed learning (hours) : **NIL**

C. Clinical Postings (hours): **60**

D. Small group teachings/tutorials/Integrated teaching/Practicals (hours): **NIL**

Term I/II

Wee k / Day	Day of the week	Comp etenc y Nos.	Competency	Topic and sub topics	Durati on	TL Method
1/ 1	Mond ay	EN 2.1	Elicit document and present an appropriate history in a patient presenting with an ENT complaint	-History taking in ENT -complaints in Ear,Nose, Throat	3 hours	Bed side clinic
1/2	Tuesd ay	EN2.2	Demonstrate the correct use of a headlamp in the examination of the ear, nose and throat	Examination using the Bulls eye lamp	1 hour	Bed side clinic
		EN 2.3	Demonstrate the correct technique of examination of the ear including Otoscopy	-Examination of Ear, Otoscopy -Diagram of tympanic membrane	1 hour	Bed side clinic
		EN 2.5	Demonstrate the correct technique of examination of the nose & paranasal sinuses including the use of nasal speculum	Examination of Nose, anterior rhinoscopy, posterior rhinoscopy -Elicit sinus tenderness -cold spatula test	0.5 hour	Bed side clinic
		EN 2.6 EN 2.7	Demonstrate the correct technique of examining the throat including the use of a tongue depressor Demonstrate the correct technique of examination of neck including elicitation of laryngeal crepitus	Examination of throat, dentition, -Indirect laryngoscopy examination -examination of neck - neck group of lymphnodes -examination of neck swelling	0.5 hour	Bed side clinic
1/3	Wedn esday	EN2.4	Demonstrate the correct technique of performance and interpret tuning fork tests	-Rinnes test, webers test, ABC test -interpretaion of above tests	1 hour	Bed side clinic/ DOAP
		EN 2.8	Demonstrate the correct technique to perform and interpret pure tone audiogram & impedance audiogram	-Basics of audiometry -interpreting an audiogram -tympanometry and its interpretation	2 hours	Bed side clinic

1/4	Thurs day	EN 3.1	Observe and describe the indications for and steps involved in the performance of Otomicroscopic examination in a simulated environment	-otomicroscopy procedure -Indications for otomicroscopy	1 hours	Bed side clinic/ DOAP
		EN 3.2	- Observe and describe the indications for and steps involved in the performance of diagnostic nasal Endoscopy	- Nasal endoscopy procedure Its indications, precautions, findings	2 hour	Bed side clinic/DOAP
		EN 3.3	- Observe and describe the indications for and steps involved in the performance of Rigid/Flexible Laryngoscopy	-Laryngoscopy procedure (rigid and flexible) -Indications , precautions		
1/5	Friday	EN 4.1	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Otalgia	-Causes of Otalgia -Referred pain Management principles	1 hour	Bed side clinic
		EN 4.2	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of diseases of the external Ear	-diseases of external ear, their presentation -Otitis externa, malignant otitis externa, Wax, Otomycosis.	1 hour	Bed side clinic
		EN 4.3	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of ASOM	-Causes of ASOM -Stages of ASOM and presentaion -Complications and Management	1 hour	Bed side clinic

Week / Day	Day of the week	Competency Nos.	Competency	Topics & Subtopics	Duration	TL Method
2/1	Monday	EN 4.6	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Discharging ear	-Types of ear discharge -Causes of Ear discharge -Investigations and management of Discharging ear	1 hour	Bed side clinic
		EN 4.7	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of CSOM	-Types of CSOM Presentaion ,investigation and management of CSOM -Complications of CSOM	1 hour	Bed side clinic
		EN 4.8	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of squamosal type of CSOM	-Squamosal CSOM , presentation, investigations and management -Complications of Cholesteotoma	1 hour	Bed side clinic
2/2	Tuesday	EN 4.9	Demonstrate the correct technique for syringing wax from the ear in a simulated environment	Ear syringing	1 hour	Bed side clinic /DOAP
		EN 4.10	Observe and describe the indications for and steps involved in myringotomy and myringoplasty	-Indications of Myringotomy, Myringoplasty -Procedure, complications	2 hours	Bed side clinic /DOAP
2/3	Wednesday	EN 4.22	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Nasal Obstruction	-Causes of nasal obstruction -Types of obstruction Investigation for nasal obstruction,management -Ethmoidal polyp, AC polyp	2 hours	Bed side clinic
		EN 4.23	Describe the clinical features, investigations and principles of management of DNS	-parts of nasal septum -Septoplasty, SMR -Complications of each	1 Hour	Bed side clinic
2/4	Thursday	EN4.26	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Adenoids	-Waldeyers ring -Adenoid facies -Xray Nasopharynx -Methods of adenoidectomy	1.5 hours	Bed side clinic/DOAP
		EN 4.39	Elicit document and present a correct history, demonstrate and describe	-layers of tonsillar bed Presentaion of Acute and Chronic tonsillitis	1.5 hours	Bed side clinic/DOAP

			the clinical features, choose the correct investigations and describe the principles of management of Acute & Chronic Tonsillitis	<ul style="list-style-type: none"> - Management and complication of tonsillitis -Methods and procedure of tonsillectomy 		
2/5	Friday	EN 4.39	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of type of dysphagia	<ul style="list-style-type: none"> -Causes of dysphagia,odynophagia Investigations, management of dysphagia -Plummer Vinson syndrome, Achalasia cardia 	1.5 hour	Bed side clinic
		EN 4.47	Describe the clinical features, investigations and principles of management of Stridor	<ul style="list-style-type: none"> -Causes and types of stridor - Ca Larynx 	1.5 hours	Bed side clinic

Week / Day	Day of the week	Competency Nos.	Competency	Topics & Subtopics	Duration	TL Method
3/1	Monday	EN4.50	Observe and describe the indications for and steps involved in tracheostomy	Tracheostomy indications, types, procedure, -types of tubes, complications of tracheostomy	2 hours	DOAP
		EN4.51	Observe and describe the care of the patient with a tracheostomy	-Post op care of tracheostomy -Long term complications	1 hour	DOAP
3/3	Wednesday	DE4.1	Discuss the prevalence of oral cancer and enumerate the common types of cancer that can affect tissues of the oral cavity.	-parts of oral cavity, TNM staging of Oral cancer	1 hour	Bed side clinic
		DE4.2	Discuss the role of etiological factors in the formation of precancerous /cancerous lesions	-premalignant lesions of oral cavity	1 hour	Bed side clinic
3/4 3/5	Thursday Friday	DE4.3 DE 4.4	Identify potential pre-cancerous /cancerous lesions Counsel patients to risks of oral cancer with respect to tobacco, smoking, alcohol and other causative factors	-Erythroplakia, Leucoplakia, Dysplasia - risk of malignant transformation - Counselling of Risk factors, deaddiction	1 hour	Bed side clinic
		PE.28.9	Elicit, document and present age appropriate history of a child with upper respiratory problem including Stridor	-causes of stridor in Child, Laryngomalacia, congenital causes of stridor, Laryngeal webs	3 hour	Bed side clinic
		PE28.10	Perform otoscopic examination of the ear	-Examination of ear in child -ASOM, SOM	1hour	DOAP
		PE28.11	Perform throat examination using tongue depressor	-Examination of oral cavity, throat in child	1hour	DOAP
		PE28.12	Perform examination of the nose	-Examination of nose in child	1hour	DOAP

Week / Day	Day of the week	Competency Nos.	Competency	Topics & Subtopics	Duration	TL Method
4/1	Monday	PE 28.17	Interpret X-ray of the paranasal sinuses and mastoid; and /or use written report in case of management. Interpret CXR in foreign body aspiration and lower respiratory tract infection, understand the significance of thymic shadow in pediatric chest X-rays	- Xrays of PNS, Mastoid, Nasopharynx, Neck, Foreign body - Adenoids, foreign body aspiration, parapharyngeal and retropharyngeal abscess	1 hour	Bed side clinic
		Practice session for clinical and other skills/ ward rounds			2 hours	Bed side clinic / skills lab
4/2	Tuesday	PY10.20	Demonstrate (i) hearing (ii) testing for smell and (iii) taste sensation in volunteer/ simulated environment	-Tuning fork tests, test for olfaction, Taste -Cranial nerves VII, VIII, I	2 hours	Bed side clinic / skills lab
		Practice session for clinical and other skills/ ward rounds			1 hour	Bed side clinic / skills lab
4/3	Wednesday	EN 2.13 EN 2.14	- Identify, resuscitate and manage ENT emergencies in a simulated environment (including tracheostomy, anterior nasal packing, removal of foreign bodies in ear, nose, throat and upper respiratory tract) - Demonstrate the correct technique to instilling topical medications into the ear, nose and throat in a simulated environment	-Patient in stridor, Cricothyroidotomy, Intubation, Tracheostomy -Epistaxis -Foreign body removal -topical preparations of Ear nose and throat, diagnostic and therapeutic	2 hours	Bed side clinic/ DOAP
		Practice session for clinical and other skills/ward rounds			1 hour	Bed side clinic / skills lab
4/4	Thursday	Clinical Assessment			3 hours	Case presentation
4/5	Friday	Skills Assessment – Certifiable skills and soft skills			3 hours	OSCE stations/ skills stations
		Student Doctor method of clinical teaching – on the emergency day/ admission day of the clinical unit, students will be posted in admission area, Wards and allotted a case/ cases, which they will be following over the period of indoor stay and the same will be entered in the Logbook.				

Seth GS Medical College & KEM Hospital

Course Content

Subject: General Surgery (clinical posting)

Clinical posting : phase 2 4 weeks (Mon to Fri)

Day/Week	Day Of The Week	Competency Nos.	Skill	Topic	Suggested Teaching Learning Method	Hours
Day1/Week 1	Monday		Obtain logical sequence of history in a surgical patient K/S	History taking in general surgery	Bed side teaching	3
Day 2 /Week 1	Tuesday		Perform general examination in a surgical patient S SH	General examination in general surgery	Bed side teaching	3
Day 3 /Week 1	Wednesday	SU 18.3	Demonstrate clinical examination of a swelling/ relevant investigations and diagnosis S SH	Examination of swelling Different types of swelling Clinical test to be done Management	Bed side teaching	3
Day 4 /Week 1	Thursday	SU 5.3	Elicit history in a patient presenting with ulcer and examination, management K S SH	Ulcer. Etiopathogenesis Various types Management	Bed side teaching	3
Day 5/ Week1	Friday	SU 25.5	Demonstrate correct technique to palpate breast for a breast swelling History taking K S SH	Breast examination: Well informed consent, different methods of examination Palpation of axillary nodes	Bed side teaching	3
Day1/Week			Demonstrate	Abdominal	Bed side	3

2			correct method of abdominal examination S SH	examination: Examination of different quadrants Examination of organomegaly Examinations for signs of peritonitis	teaching	
Day2/Week 2		SU 28.1/ SU 28.2	Elicit History, clinical examination in a case of inguinal hernia, discuss its management K S SH	Hernia : Etiology inguinal Examinations of hernial orifices Various clinical tests for diagnosis of inguinal hernia management	Bed side teaching	3
Day3/Week 2		SU 28.1/ SU 28.2	Elicit History, clinical examination in a case of ventral hernia, discuss its management K S SH	Hernia: ventral Etiology Types Incisional hernias management	Bed side teaching	3
Day4/Week 2		SU 30.5	Elicit history and demonstrate method of examination in a case of hydrocele K S SH	Hydrocele Differentials of purely scrotal swellings Etiology Diagnostic tests Management	Bed side teaching	3
Day5/Week 2			Elicit history and demonstrate examination of cervical lymphadenopathy Discuss various differential diagnosis and management K S SH SKILL STATION	Neck:lymphadenopathy Differential diagnosis Different levels of nodes Management Knotting and suturing	Bed side teaching	2 1
Day1/Week 3		SU 22.3/ SU 22.4	Elicit history and demonstrate examination of thyroid swelling	Thyroid Different methods of palpation Various signs of	Bed side teaching	3

			Discuss various differential diagnosis and management K S SH	hyperthyroidism Differential diagnosis Management		
Day2/Week 3		SU 21.1/ SU 21.2	Elicit history and demonstrate examination of salivary gland swelling Discuss various differential diagnosis and management K S SH	Salivary gland Differential diagnosis Clinical tests Management	Bed side teaching	3
Day3/Week 3		SU 20.1/ SU 20.2	Elicit history and demonstrate examination of oral cavity carcinoma Discuss various differential diagnosis and management K S SH	Oral cavity: malignancy Etiology Clinical examination Examination of neck nodes- its importance Management	Bed side teaching	3
Day4/Week 3		SU 27.6	Elicit history and demonstrate examination of varicose veins Discuss management K S SH	Varicose veins Etiology Various clinical tests Management	Bed side teaching	3
Day5/Week 3		SU 27.2/ SU 27.3	Elicit history and demonstrate examination of PVD Discuss various differential diagnosis and management K S SH	PVD: Etiology Palpation of peripheral pulses Clinical tests Management	Bed side teaching	3
Day1/Week 4		SU 27.4	Elicit history and demonstrate examination of amputation stump Discuss	Amputation: Indications Ideal amputation stump Types Rehabilitation	Bed side teaching	3

			indications and management K S SH			
Day2& Day3/Week 4		SU 18.1	Elicit history and demonstrate examination of abscess, necrotizing fasciitis, carbuncle & cellulitis Discuss management K S SH	Skin & subcutaneous tissue Etiology management	Opd Emergency ward clinic Emergency OT	6
Day4/Week 4		SU 9.1	Describe chest & abdominal xray Skill Station	Imaging Knotting & Suturing	Bed side teaching	2 1
Day5/Week 4			End post exams			3

Student doctor method of clinical teaching- daily ward visits , attending ward rounds, attending OPD and emergency wards

Students will be allotted case/ cases which they will be following over the period of indoor stay and the same will be entered in logbook

Course Content

Second MBBS (from Feb/ March 2021)

Subject: Medicine (Practical)

(Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3)

1. Total Teaching hours : **25+ 60**
2. A. Lectures(hours): **25** B. Self-directed learning (hours) : **NIL**
C. Clinical Postings (hours): **60**
D. Small group teachings/tutorials/Integrated teaching/Practicals (hours): **NIL**

Term I/II

Week / Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration	TL Method
1/ 1	Monday	1.10	Orientation to History Taking	3 hours	Bed side clinic
1/2	Tuesday	9.3	History taking and causes of anemia	1 hour	Bed side clinic
		8.9	Evaluation of all risk factors and co-morbidities for patient with hypertension	1 hour	Bed side clinic
		11.7	Elicit document and present a medical history that will differentiate the etiologies of diabetes including risk factors, precipitating factors, lifestyle, nutritional history, family history, medication history, co-morbidities and target organ disease	1 hour	Bed side clinic
1/3	Wednesday	16.4	Elicit and document and present an appropriate history that includes the natural history, dietary history, travel , sexual history and other concomitant illnesses	1 hour	Bed side clinic
		25.4	Elicit document and present a medical history that helps delineate the aetiology of zoonotic diseases that includes the evolution and pattern of symptoms, risk factors, exposure through occupation and travel	2 hours	Bed side clinic
1/4	Thursday	26.20	Demonstrate ability to communicate to patients in a patient, respectful, non-threatening, non-judgmental and empathetic manner	2 hours	Bed side clinic
		26.21 & 26.22	- Demonstrate respect to patient privacy -Demonstrate ability to maintain confidentiality in patient care	1 hour	Bed side clinic
1/5	Friday	26.35	Demonstrate empathy in patient encounters	1 hour	Bed side clinic
		6.7	Elicit document and present a medical history that helps delineate the aetiology of the current presentation and includes risk factors for HIV, mode of infection, other sexually transmitted diseases, risks	1 hour	Bed side clinic

Week / Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration	TL Method
			for opportunistic infections and nutritional status		
		26.19 , 26.24 & 26.25	<ul style="list-style-type: none"> - Demonstrate ability to work in a team of peers and superiors - Demonstrate respect in relationship with patients, fellow team members, superiors and other health care workers - Demonstrate responsibility and work ethics while working in the health care team 	1 hour	Bed side clinic
2/1	Monday	1.11, part 1.29	Orientation to General Exam	3 hours	Bed side clinic
2/2	Tuesday	1.12	Pulse examination with demonstration	3 hours	Bed side clinic /DOAP
2/3	Wednesday	1.13	Measure BP accurately	2 hours	Bed side clinic /DOAP
		1.14	JVP	1 Hour	Bed side clinic /DOAP
2/4	Thursday	4.9	Evaluation of fever	1.5 hours	Bed side clinic/DOAP
		4.10	Examination of skin ,lymph node, chest and abdominal examination	1.5 hours	Bed side clinic/DOAP
2/5	Friday	9.4	Perform a systematic examination that includes : general examination for pallor, oral examination	1 hour	Bed side clinic
		4.21	Orientation to Clinical decision making	2 hours	Bed side clinic
3/1	Monday	7.11 and 7.12	Orientation to medical history and examination of joints ,muscle and skin rheumatological diseases	1hour	Bed side clinic
		11.8	Perform a systematic examination that establishes the diagnosis and severity that includes skin, peripheral pulses, blood pressure measurement, fundus examination, detailed examination of the foot (pulses, nervous and deformities and injuries) in a patient with diabetes	1 hour	Bed side clinic
		Practice session for clinical skills including BP Measurement/ ward rounds		1 hour	Bed side clinic
3/2	Tuesday	1.30	Skill Acquisition - IM injection	3 hour	Skills lab
3/3	Wednesday	5.9	Elicit document and present a medical history that helps delineate the aetiology of the current presentation and includes clinical presentation, risk factors, drug use, sexual history, vaccination and family history in patient with liver disease.	1 hour	Bed side clinic
		16.5	Perform, document and demonstrate a physical examination based on the history that includes general examination,	1 hour	Bed side clinic

Week / Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration	TL Method
			including an appropriate abdominal examination		
		5.14	Outline a diagnostic approach to liver disease based on hyperbilirubinemia, liver function changes and hepatitis serology	1 hours	Bed side clinic
3/4	Thursday	2.7	CVS Examination with demonstration	3 hour	Bed side clinic/DOAP
3/5	Friday	3.4 & 3.5	Orientation to history taking, general examination & systemic examination of Respiratory system	3 hours	Bed side clinic/DOAP
4/1	Monday	18.3	Elicit and document and present an appropriate history including onset, progression, precipitating and aggravating relieving factors, associated symptoms that help identify the cause of the cerebrovascular accident	2 hours	Bed side clinic
		Practice session for clinical and other skills/ ward rounds		1 hour	Bed side clinic / skills lab
4/2	Tuesday	18.5	Perform, demonstrate & document physical examination that includes general and a detailed neurologic examination as appropriate based on the history	2 hours	Bed Side clinic
		Practice session for clinical and other skills/ ward rounds		1 hour	Bed side clinic / skills lab
4/3	Wednesday	20.4 & 20.5	Medical emergency - - Elicit and document and present an appropriate history, the circumstance, time, kind of snake, evolution of symptoms in a patient with snake bite - Perform a systematic examination, document and present a physical examination that includes general examination, local examination, appropriate cardiac and neurologic examination in a case of snake bite	2 hours	Bed side clinic
		Practice session for clinical and other skills/ward rounds		1 hour	Bed side clinic / skills lab
4/4	Thursday	Clinical Assessment		3 hours	Case presentation
4/5	Friday	Skills Assessment – Certifiable skills and soft skills		3 hours	OSCE stations/ skills stations

Student Doctor method of clinical teaching – on the emergency day/ admission day of the clinical unit, students will be posted in admission area(Casualty / EMS) and allotted a case/ cases, which they will be following over the period of indoor stay and the same will be entered in the Logbook.

Course Content
SETH GS MEDICAL COLLEGE & KEM HOSPITAL
Subject: Obstetrics and Gynecology
Skills (clinical posting)

(Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 3; page nos. 102-129)

Clinical Postings: phase II 4 weeks – (Mon-Fri)

Suggested assessment method of skills is viva voce, skill assessment on mannequins/ models, clinical assessment, Log book

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
Phase II				
OG35.1	Obtain a logical sequence of history, and perform a humane and thorough clinical examination, excluding internal examinations (per rectal and per-vaginal) K/S SH	History taking in obstetrics	Bed side clinics	15 hours(1 week)
OG35.5	Determine gestational age, EDD and obstetric formula K/S SH	Informed consent for examination	Manne-quin/demonstration on patient	
OG35.7	Obtain informed consent for any examination / procedure S SH	obstetric examination and provisional diagnosis		

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
OG35.2.	Arrive at a logical provisional diagnosis after examination K/S SH			
OG36.2	Organise antenatal clinics K/S KH	Antenatal clinic, (with an aim to introduce them to set up of OPD) Routine antenatal investigations, Antenatal care, birth planning (Importance of counselling the patient about place of delivery and labor preparedness	OPD tour, Demonstration of the set up and how OPD functioning is carried out	3 hrs
OG8.6	Assess and counsel a patient in a simulated environment regarding appropriate nutrition in pregnancy K/S SH	Nutritional counselling in pregnancy with focus on patient centered approach, based on her choice of food, culture, socioeconomic status etc.	Case based learning.	3 hrs

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
OG 35.1	History taking in gynecology, demonstrate P/S, P/V examination		Bed side clinic /OPD demonstration, skill lab for PS PV practice	3 hrs
OG8.5	Describe and demonstrate pelvic assessment in a model K/S SH	Maternal pelvis , Pelvic assessment Fetal skull	Model,	3 hrs
OG8.4	Describe and demonstrate clinical monitoring of maternal and fetal well-being K/S SH	Antepartum monitoring of fetal well being- screening, USG doppler, NST, BPP,	Demonstration	3 hrs
OG13.4	Demonstrate the stages of normal labor in a simulated environment / mannequin	Mechanism of labor Management of Labor stage 1 Intrapartum monitoring of fetal well being- Partogram, CTG	Skill lab Models and mannequins Labor room demonstrations	15 hrs
OG35.13	Demonstrate the correct technique to perform artificial rupture of membranes in a simulated / supervised environment S SH	ARM		

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
OG35.14	Demonstrate the correct technique to perform and suture episiotomies in a simulated/ supervised environment S SH	Management of labor stage 2- Episiotomy		
OG35.16	Diagnose and provide emergency management postpartum hemorrhage in a simulated / guided environment K/S SH	Management of labor stage 3 Emergency management of PPH oxytocics		
Su 14.1, 14.2, 14.3 Integrated	Basic surgical skills, Aseptic techniques, sterilization and disinfection. Surgical approaches, incisions and the use of appropriate instruments in Surgery in general.	Theatre etiquettes and basic techniques	Visit to the surgical theatre	1 hour
OG 35.15 OG 36.2 + PE 18.6 integrated	advice family planning	Family planning counseling	Family planning clinic + SKILL LAB	1 hour

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
OG 12.7	Management of mothers and babies with HIV	PPTCT counseling	PPTCT counseling clinic	1 hour
PE 7.7 + 7.9 INTEGRATED	<p>identify common problems during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess</p> <p>Educate and counsel mothers for best practices in breast feeding</p>	Lactation management + postnatal care	Well baby clinic Postnatal ward visit	1 hour
OG 34.4, 35.9	<p>management of postoperative complications</p> <p>Write a proper discharge summary with all relevant information</p>	Post op management	Post op ward visit	1 hour
OG 35.6	Understand and demonstrate respect	Examination with Dignity	SGT, Role play	1
OG 35.6	Confidentiality and privacy	HIV in pregnancy, Domestic violence	SGT, Role play	1
OG 35.7	Autonomy : Consent	Medicolegal cases	SGT, Role play	1
AETCOM 2.8	Bad news breaking	IUFD, Neonatal death	SGT, Role play	1

Competency Nos.	skill	topic	Suggested Teaching learning method	Hours
AETCOM 2.5	Communication with adolescents	Sexuality	SGT, Role play	1
		Conduction of 2 exams and feed-back And remedial teaching		4 hours
Student Doctor method of clinical teaching – on the emergency day / OPD day of the clinical unit, students will be posted in Labor waiting ward and allotted a case/ cases, which they will be following over the period of indoor stay and the same will be entered in the Logbook.				
			Phase 2 clinical posting Total	60 hours(4 weeks mon -fri)

Course Content
Second Year MBBS (from February/March 2021)
Subject: Ophtahlmology (Knowledge & Practical)
(Based on Medical Council Of India Competency Guidelines)

1. Total teaching hours:30+60
2. Lectures(hours) : 30 hours
- 3.Clinical Postings(hours): 60

Week /Days	Day Of The Week	Competency Nos.	Topics & Subtopics	Duration	TL Method
1/1	Mon	AN 41.1 AN 41.2 AN 41.3 AN 30.5 AN 31.3 AN 31.5 OP 1.1 PY 10.17 PY 10.18 PY 10.19	Anatomy & Physiology Of The Eye: 1.Parts & Layers Of The Eye 2. Anatomical Aspects Of Cataracts, Glaucoma and Central Retinal Artery Occlusion 3. Position, Nerve Supply and Actions Of Intraocular Muscles 4. The Cortical Visual Pathway & The Effect Of Pituitary Tumors On the Cortical Visual Pathway and what the Visual Field Perimetry Testing would Demonstrate 5. Anatomical Basis of Horner's Syndrome 6. Anatomical Basis of Oculomotor, Trochlear and Abducens Nerve Palsies along with Strabismus 7. Physiology Of Vision 8.Functional Anatomy of Eye, Physiology of Image Formation, Physiology of Vision including Colour Vision, Refractive Errors, Colour Blindness, Physiology of the Pupil and Light Reflex 9. Physiological Basis of Lesions in the Visual Pathway the Visual Field Perimetry Testing Results for Each 10. Auditory & Visual Evoked Potentials	3 Hours	Lecture & Small Group Discussion (#1-10)
1/2	Tue	OP 1.2 PY 10.20 OP 1.3 OP 1.4 OP 1.5	Visual Acuity Assessment: 1. Classification of Types and Methods of Correcting Refractive Errors with Convex & Concave Lenses; Conoid of Sturm, Retinoscopy 2. Testing of Visual Acuity, Colour and Field Of Vision in a Volunteer/Simulated Environment 3. Practically Performing Steps in Performing Visual Acuity Assessment for Distance, Near Vision, Colour Vision, Pinhole Test, Menace and Blink Reflexes 4. Indications and Principles of Refractive Surgery 5. Types & Mechanisms By Which Strabismus Leads to Amblyopia	3 Hours	Lecture & Small Group Discussion (#1-5), Demonstrate (by student), Observe, Assist, Perform with Logbook(#1,

)
1/3 Wed		<p>Lids and Adnexa, Orbit:</p> <p>OP 2.1, 2.2 1. & 2. Etiology, Clinical Presentations and Diagnostic Features, Symptoms & Signs of Common Conditions of the Lid and Adnexa, including Hordeolum Externum/Internum, Blepharitis, Preseptal Cellulitis, Dacryocystitis, Hemangioma, Dermoid, Ptosis, Entropion, Lid Lag, Lagophthalmos, Empty Socket, Phthis Bulbi, Atrophic Bulbi</p> <p>OP 2.3 3. Bell's Phenomenon, Assessment of Entropion/Ectropion, Performing the Regurgitation Test of the Lacrimal Sac, Massage Technique in Conj. Dacryocystitis and Trichiatic Cilia Removal by Epilation</p> <p>OP 2.4 4. Etiology, Clinical Presentation, Complications and Management of Orbital Cellulitis</p> <p>OP 2.5 5. Clinical features on Ocular Examination and Management of Sinus Thrombosis</p> <p>OP 2.6 6. Examination Techniques and Evaluation of Ptosis, Proptosis, Sac Syringing; Causes and Differentiating Features, Clinical Features and Management of Proptosis</p> <p>OP 2.7 7. Classification with Differentiating Symptoms and Signs of Various Orbital Tumor</p> <p>OP 2.8 8. Investigations used in Diagnosis of Orbital Tumors and Indications for Appropriate Referral ; Indications for Dacryocystorhinostomy (DCR) and Dacryocystectomy (DCT) ndications for Enculeation and Evisceration</p>	3 Hours	<p>Lecture & Small Group Discussion (#1-8) , Demonstrate (by student) , Observe, Assist, Perform (#3)</p>	

1/4	Thurs	<p>Conjunctiva:</p> <p>OP 3.1 1. Elicit, Document and Present An Appropriate History In A Patient Presenting With A "Red Eye" including Congestion, Discharge, Pain</p> <p>OP 3.2 2. Demonstrate, Document and Present The Correct Method Of Examination of a "Red Eye" including Vision Assessment, Corneal Lustre, Pupil Abnormality, Ciliary Tenderness</p> <p>OP 3.3 3. Etiology, Pathophysiology, Ocular Features, Differential Diagnosis, Complications And Management of Various Causes of Conjunctivitis</p> <p>OP 3.4 4. Etiology, Pathophysiology, Ocular Features, Differential Diagnosis, Complications And Management of Various Causes of Trachoma</p> <p>OP 3.5 5. Etiology, Pathophysiology, Ocular Features, Differential Diagnosis, Complications And Management of Various Causes of Vernal Catarrh</p> <p>OP 3.6 6. Etiology, Pathophysiology, Ocular Features, Differential Diagnosis, Complications And Management of Pterygium</p> <p>OP 3.7 7. Etiology, Pathophysiology, Ocular Features, Differential Diagnosis, Complications And Management of Symblepharon</p> <p>OP 3.8 8. Correct Technique of Foreign Body Removal from the Eye in a Simulated Environment</p> <p>OP 3.9 9. Correct Technique of Instillation of Eye Drops in a Simulated Environment</p>	3 Hours	Lecture & Small Group Discussion (#1-9) , Demonstrate (by student) , Observe, Assist, Perform (#1,2,8,9)
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1/5	Fri	<p>OP 4.1</p> <p>OP 4.2</p> <p>OP 4.3</p> <p>OP 4.4</p> <p>OP 4.5</p> <p>OP 4.6</p> <p>OP 4.7</p> <p>OP 4.8</p> <p>OP 4.9</p> <p>OP 4.10</p>	<p>Cornea:</p> <p>1.Types and Causes of Corneal Ulcers</p> <p>2.Differential Diagnosis Of Infectious Keratitis</p> <p>3. Etiologies Of Corneal Edema; Corneal Opacities, Adherent Leukoma</p> <p>4. Etiologies And Management Of Dry Eye</p> <p>5. Causes Of Corneal Blindness</p> <p>6. Indications and Types of Keratoplasty</p> <p>7. Indications and Methods of Tarsorrhaphy</p> <p>8. Correct Technique of Foreign Body Removal from the Eye in a Simulated Environment</p> <p>9. Correct Technique of Instillation of Eye Drops in a Simulated Environment</p> <p>10. How to Counsel Patients and Family About Eye Donation In A Simulated Environment</p>	3 Hours	Lecture & Small Group Discussion (#1-9) , Demonstrate (by student) , Observe, Assist, Perform (#8,10)
2/1	Mon	<p>OP 5.1</p> <p>OP 5.2</p> <p>PH1.58</p>	<p>Sclera & Drugs:</p> <p>1.Etiology, Associated Systemic Conditions, Clinical Features, Complications and Indications for Referral and Management of Episcleritis</p> <p>2.Etiology, Associated Systemic Conditions, Clinical Features, Complications and Indications for Referral and Management of Scleritis</p> <p>3. Drugs Used In Ocular Disorders</p>	3 Hours	Lecture & Small Group Discussion (#1-3)

2/2	Tue		Iris & Anterior Chamber:	3 Hours	Lecture &
		OP 6.1	1. Clinical Signs Of Intraocular Inflammation with Distinguishing Features Between Granulomatous versus Non-Granulomatous Inflammation and Distinguishing Features Between Acute Iridocyclitis and Chronic Uveitic Conditions; Occlusion Pupillae		Small Group
		OP 6.2	2. Distinguishing Features Between Acute Iridocyclitis and Chronic Uveitic Conditions		Discussion
		OP 6.3	3. Systemic Conditions that can present as Iridocyclitis and their Ocular Manifestations		(#1-10) ,
		OP 6.4	4. Hypopyon versus Hyphema		Demonstrate
		OP 6.5	5. Angle of the Anterior Chamber and its Clinical Correlates		(by
		OP 6.6	6. Identify and Demonstrate Clinical Features and Distinguish and Diagnose Common Clinical Conditions affecting the Anterior Chamber		student) ,
		OP 6.7	7. Etiology & Clinical Distinguishing Features of various Glaucomas associated with a Shallow Anterior Chamber versus a Deep Anterior Chamber, with Appropriate Investigations and Treatment for each Condition. Know the Indications for an Iridectomy and for a Filtering Bleb.		Observe,
		OP 6.8	8. Investigations & Work-Up for a patient with Uveitic Conditions		Assist,
		OP 6.9	9. Local & Systemic Therapies for Conditions of the Anterior Chamber, Indications, Adverse Events and Interactions		Perform
		OP 6.10	10. Counsel Patients with Conditions of the Iris and Anterior Chamber about their Diagnosis, Therapy and Prognosis in an Empathetic Manner in a Simulated Environment		(#6,10)

2/3	Wed	<p>OP 7.1</p> <p>OP 7.2</p> <p>OP 7.3</p> <p>OP 7.4</p> <p>OP 7.5</p> <p>OP 7.6</p> <p>IM 24.15</p>	<p>Lens:</p> <ol style="list-style-type: none"> 1. Surgical Anatomy & Metabolism of the Lens 2. Etiology & Pathogenesis, Stages of Maturation and Complications of Cataract 3. Correct Technique of Ocular Examination In A Patient with A Cataract 4. Types of Cataract Surgery, Pre-Operative Investigations, Intra-Operative and Post-Operative Steps and Possible Complications of each type; Management of Posterior Capsular Opacification with YAG Capsulotomy 5. Participate in the Team For Cataract Surgery 6. Administer Informed Consent & Counsel Patients for Cataract Surgery In a Simulated Environment 7. Pathogenesis, Clinical Presentation, Identification, Functional Changes, Acute Care, Stabilization, Management and Rehabilitation of Vision and Vision Loss In The Elderly 	3 Hours	<p>Lecture & Small Group Discussion (#1-7) , Demonstrate (by student) , Observe, Assist, Perform (#3,4, 5 with logbook, 6)</p>
2/4	Thurs	<p>OP 8.1</p> <p>OP 8.2</p> <p>OP 8.3</p> <p>OP 8.4</p> <p>OP 8.5</p> <p>PA 36.1</p>	<p>Retina, Retinoblastoma, Optic Nerve:</p> <ol style="list-style-type: none"> 1. Etiology, Pathophysiology, Clinical Features, And Management of Vascular Occlusions of the Retina, Direct versus Indirect Ophthalmoscopy 2. Indications for Laser Therapy in the Treatment of Retinal Diseases, including Retinal Detachment, Retinal Degenerations, Diabetic Retinopathy & Hypertensive Retinopathy 3. Demonstrate the Correct Technique of a Fundus Examination; Describe & Distinguish the Fundoscopic Features In a Normal Eye Versus In Eyes with Disease 4. Treatment Modalities In the Management of Diseases Of The Retina 5. Correlative Anatomy, Etiology, Clinical Manifestations, Diagnostic Tests, Imaging and Management Of Diseases Of the Optic Nerve and Visual Pathway 6. Etiology, Genetics, Pathogenesis, Pathology, Presentation, Sequelae and Complications of Retinoblastoma 	3 Hours	<p>Lecture & Small Group Discussion (#1-6) , Demonstrate (by student) , Observe, Assist, Perform (#3)</p>

2/5 Fri		Additional Ophthalmic Skills	3 Hours	Lecture & Small Group Discussion (#1-5) , Demonstrate (by student) , Observe, Assist, Perform (#1)
	OP 9.1	1.Demonstrate the Correct Technique to Examine Extraocular Movements (Uniocular & Binocular)		
	OP 9.2	2.Types, Methods of Diagnosis, Indications for Referral In a Patient with Heterotropia/Strabismus		
	OP 9.3	3. Role of Refractive Error Correction In A Patient With Headache and Indications For Referral		
	OP 9.4	4. List, Describe and Discuss the Causes of Avoidable Blindness and the National Programmes for the Control of Blindness, including Vision 2020		
	OP 9.5	5. Evaluation & Steps in the Stabilisation, Initial Management and Indications for Referral In a Patient with Ocular Traumatic Injury and Ocular Chemical Injury		

Student Doctor method of clinical teaching- Students on the day of the clinical unit will be posted in the out patient area and operation theatre and where they will be allotted cases.Cases and surgical procdures will be entered in the log book.

Seth GS Medical College & KEM Hospital
 Course Content
 Second MBBS
 Subject: Orthopaedics
 (Based on Medical Council of India, Competency based Undergraduate
 Curriculum for the Indian Medical Graduate, 2018. Vol 2/3)

1. Total Teaching Hours : 30 hours
2. A. Lectures(hours) : Nil
 B. Self-directed learning (hours): Nil
 C. Clinical Postings (hours): 30 hours
 D. Small group teachings/tutorial/Integrated teaching/Practical's (hours): Nil

Term: II/I

Week/Day	Day of the week	Competency No.	Topics & Subtopics	Duration	TL Method
1/1	Monday	OR1.1	Principles of pre-hospital care and Causality management of a trauma victim including principles of Triage.	1 hour	Small group discussion
		OR 1.2	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of shock	1 hour	Lecture
		OR1.3	Etiopathogenesis, clinical features, Investigations, and principles of management of soft tissue injuries.	1 hour	Bedside Clinics/Lecture
1/2	Tuesday	OR 1.4	Principles of management of soft tissue Injuries.	1 hour	Bedside Clinics/ Lecture
		OR1.5	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of	1 hour	Bedside Clinics/ Lecture

			dislocation of major joints, shoulder, knee, hip		
		OR 1.6	Participate as a member in the team for closed reduction of shoulder dislocation / hip dislocation / knee dislocation	1 hrs	DOAP/ Stimulation
1/3	Wednesday	OR2.16	Describe and discuss the mechanism of injury, clinical features, investigations and principles of management of open fractures with focus on secondary infection prevention and management	2hour	Lecture, Small group discussion, Bedside clinic
		OR2.3	Plan and interpret the investigations to diagnose complications of fractures like malunion, non-union, infection, compartmental syndrome	1 hour	Bedside Clinics
1/4	Thursday	OR 3.3	Participate as a member in team for procedures like drainage of abscess, sequestrectomy/ saucerisation and arthrotomy	2 hours	DOAP session, Video demonstration
		OR3.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of Bone and Joint infections a) Acute Osteomyelitis b) Subacute osteomyelitis c) Acute	1 hours	Bedside Clinics

			Suppurative arthritis d) Septic arthritis & HIV infection e) Spirochaetal infection f) Skeletal Tuberculosis		
1/5	Friday	Assessment	3 hours		Viva/ Written
2/1	Monday	OR11.1	Etiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like foot drop, wrist drop, claw hand, palsies of Radial, Ulnar, Median, Lateral Popliteal and Sciatic Nerves	2 hours	Bedside Clinics
		OR3.2	Participate as a member in team for aspiration of joints under supervision	1 hours	Small group Discussion. DOAP session
2/2	Tuesday	OR13.2	Participate as a member in team for Resuscitation of Polytrauma victim by doing all of the following : (a) I.V. access central - peripheral (b) Bladder catheterization (c) Endotracheal intubation (d) Splintage	2 hours	Bedside Clinics
		OR2.1	Describe and discuss the mechanism of Injury, clinical features, investigations and plan management of fracture of clavicle	1 hours	Lecture, Small group discussion, Bed side clinic
2/3	Wednesday	OR5.1	Describe and discuss the aetiopathogenesis, clinical features,	1.5 hours	Bedside clinic. Lecture, Small group discussion,

			investigations and principles of management of various inflammatory disorder of joints		
		OR7.1	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of metabolic bone disorders in particular osteoporosis, osteomalacia, rickets, Paget's disease	1.5 hour	Lecture, Small group discussion,
2/4	Thursday	OR14.3	Demonstrate the ability to convince the patient for referral to a higher centre in various orthopedic illnesses, based on the detection of warning signals and need for sophisticated management	1.5 hour	Case discussion, Video assisted Lecture, Small group discussion,
		OR14.2	Demonstrate the ability to counsel patients to obtain consent for various orthopedic procedures like limb amputation, permanent fixations etc..	1.5 hour	Case discussion, Video assisted Lecture, Small group discussion,
2/5	Friday	Assessment	3 hours		Viva/ Written/ Stimulation based assessment

Seth GS Medical College & KEM Hospital

Course Content

Second MBBS (from Feb/ March 2021)

Subject: Pediatrics (Practical)

(Based on Medical Council of India, Competency based Undergraduate curriculum for the Indian Medical Graduate, 2018. Vol. 2 / 3)

1. Total Teaching hours :**25+ 30**

2. A. Lectures(hours): **25** B. Self-directed learning (hours) : **NIL**

C. Clinical Postings (hours): **30**

D. Small group teachings/tutorials/Integrated teaching/Practicals (hours): **NIL**

Week/Day	Day of the week	C No.	Topics &Subtopics	Duration (hours)	TL Method
1. Growth& Failure to Thrive					
1/1	Monday	PE 1.4	Perform Anthropometric measurements ,document in growth charts and interpret.	2	Bedside clinic
		1.4.1	Perform anthropometric measurements in children of different Age groups.		Bedside clinic
		1.4.2	Document the measured parameters in growth charts and interpret the findings on growth charts.		Bedside clinic
		PE 2.2	Assessment of a child with failure to thrive including eliciting an appropriate history and examination	1	Bedside clinic
		2.2.1	Elicit an appropriate history in a child with failure to thrive.		Bedside clinic
		2.2.2	Perform a complete physical examination in a child with failure to thrive.		Bedside clinic

1/2	Tuesday	PE2.3	Counseling a parent with failing to thrive child	1	Bedside clinic
		2.3.1	Counsel a parent of a child with failure to thrive.		Bedside clinic
		2. Development & developmental delay			
		PE1.6	Discuss the methods of assessment of development	2	Bedside clinic
		1.6.1	Discuss the methods of assessment of development		Bedside clinic
1/3	Wednesday	PE1.7	Perform development assessment and interpret	1	Bedside clinic
		1.7.1	Perform Developmental assessment in infants and children and interpret the findings		Bedside clinic
		PE 3.3	Assessment of a child with developmental delay- elicit document and present history	2	Bedside clinic
		3.3.1	Elicit developmental history from a parent/caretaker		Bedside clinic
		3.3.2	Elicit the current developmental milestones of the child.		Bedside clinic
		3.3.3	Interpret developmental status of a child based on the history and examination.		Bedside clinic
		3.3.4	Document and present the developmental assessment		Bedside clinic
1/4	Thursday	PE 3.4	Counsel a parent of a child with developmental delay	1	Bedside clinic
		3.4.1	Communicate the developmental status of the child to the parent.		Bedside clinic
		3.4.2	Counsel the parents of a child with developmental delay		Bedside clinic
		3. Infant & young child feeding			
		PE 7.5	Observe the correct technique of breastfeeding and distinguish right from wrong technique	2	Bedside clinic
		7.5.1	Observe correct technique of breastfeeding noting signs of good attachment and correct positioning of mother and baby		Bedside clinic
		7.5.2	Distinguish correct feeding technique from wrong one on the mother baby dyad.		Bedside clinic
1/5	Friday	PE 7.7	Perform breast examination and Identify common problems	1	Bedside clinic

			during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess		
		7.7.1	Enumerate common problems in the mother during lactation		Bedside clinic
		7.7.2	Examine breast of a lactating mother in an appropriate manner		Bedside clinic
		PE 7.8	Educate mothers on ante natal breast care and prepare mothers for lactation	2	Bedside clinic
		7.8.1	Educate and counsel pregnant woman during antenatal period in preparation for breastfeeding.		Bedside clinic
2/1	Monday	PE 7.9	Educate and counsel mothers for best practices in Breastfeeding	1	Bedside clinic
		PE 7.10	Respects patient privacy		Bedside clinic
		7.10.1	Demonstrate respect for a mother's privacy		Bedside clinic
		PE 8.3	Enumerate the common complementary foods	1	Bedside clinic
		8.3.1	Enumerate common locally available complementary foods.		Bedside clinic
		PE 8.4	Elicit history on complementary feeding habits	1	Bedside clinic
		8.4.1	Elicit a focused and detailed history for complementary feeding		Bedside clinic
		PE 8.5	Counsel and educate mothers on the best practices in complementary feeding		Bedside clinic
		4. Dietary and Nutritional Assessment			
2/2	Tuesday	PE 9.4	Elicit document and present an appropriate nutritional history and perform a dietary recall.	1	Bedside clinic
		9.4.1	Take focussed dietary history based on recall method from the caregiver.		Bedside clinic
		9.4.2	Document the dietary history and calculate calorie and protein content.		Bedside clinic

		9.4.3	Present the dietary history.		Bedside clinic
		PE 9.5	Calculate the age appropriate calorie requirements in health and disease and identify gaps.	2	Bedside clinic
		9.5.1	Calculate the recommended calorie and protein requirement for children of all age groups.		Bedside clinic
		9.5.2	Calculate the calorie and protein content of 24 hour dietary intake by a child.		Bedside clinic
		9.5.3	Calculate the gap (deficit) between recommended intake of calorie and protein and actual intake.		Bedside clinic
2/3	Wednesday	PE 9.6	Assess and classify Nutritional status of infants,children and adolescents and recognize deviations	3	Bedside clinic
		9.6.1	Assess nutritional status from anthropometric parameters for children of all age groups.		Bedside clinic
		9.6.2	Interpret the anthropometric measurement data by plotting in appropriate WHO growth charts for children of all age groups and gender		Bedside clinic
		9.6.3	Classify the type and degree of undernutrition using the WHO charts.		Bedside clinic
		9.6.4	Identify overnutrition (overweight and obesity) by using WHO charts		Bedside clinic
		5. Severe Acute Malnutrition			
2/4	Thursday	PE10.3	Assessment of a patient with SAM and MAM, diagnosis, classification and planning management including hospital and community-based intervention, rehabilitation and prevention	1	Bedside clinic

		10.3.1	Take clinical history including focussed dietary history from the caregiver.		Bedside clinic
		10.3.2	Examine the child including anthropometry and signs of vitamin deficiency.	1	Bedside clinic
		10.3.3	Diagnose and classify the patient as having SAM or MAM based on clinical history, examination and anthropometry.	1	Bedside clinic
2/5	Friday	10.3.4	Plan the individualised home-based management in a child with MAM or uncomplicated SAM.	1	Bedside clinic
		10.3.5	Plan the hospital-based management of complicated SAM in a child.		Bedside clinic
		10.3.6	Plan the hospital-based rehabilitation phase management of complicated SAM in a child.	1	Bedside clinic
		10.3.7	Plan prevention of malnutrition at all levels.	1	Bedside clinic

Course Content

Second MBBS (from March 2021)

Subject: Psychiatry (Clinical Posting)

(Based on Medical Council of India, Competency based Undergraduate curriculum
for the Indian Medical Graduate, 2018. Vol. 2 / 3)

1. Total Teaching hours : **30**

2. A. Lectures(hours):**NIL** B. Self-directed learning (hours) : **NIL**

C. Clinical Postings (hours): 30

D. Small group teachings/tutorials/Integrated teaching/Practicals (hours): NIL

Phase II [March-Dec 2021] {Mon-Fri; 9am -12noon}

Week / Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration	TL Method
1/ 1	Monday	1.1,1.2,3.4	Establishing Rapport, components of communication for history taking	1 hour	Bedside clinic / DOAP/ Small group Discussion
		3.2, 3.3	Signs And Symptoms Of common Mental Disorders & Elicit ,present and document history in patients presenting with mental disorders	1 hour	
		3.5	Perform, demonstrate Mental Status Examination	1 hour	DOAP
1/2	Tuesday	5.2	Enumerate, elicit, describe and document clinical features in patients with positive symptoms of Schizophrenia	1 hour	Bed side clinic ,DOAP session
		5.4	Demonstrate family education in patient with schizophrenia in a simulated environment	1 hour	Bed side clinic, DOAP session
		5.3	Describe treatment of schizophrenia: pharmacologic therapy	1 hour	Small group discussion
		5.5	Enumerate the side effects of the drugs used in schizophrenia		
1/3	Wednesday	5.2	Enumerate, elicit, describe and document clinical features in patients with negative symptoms of Schizophrenia	1 hour	Bed side clinic ,DOAP session
		17.1	Enumerate and describe the recognition and clinical presentation of psychiatric emergencies: Violent behavior	30 min	Small group discussion
		17.2	Describe the initial stabilization and management of violent patient	30min	Small group discussion
		Practice session for clinical and history taking skills/ ward rounds and Student Doctor Teaching -learning		1 hour	Bed side clinic

1/4	Thursday	6.2	Enumerate, elicit ,describe and document clinical features in a patient of Depression	1 hour	Bed side clinic, DOAP session
		6.3	Enumerate and describe the indications and interpret laboratory and psychological tests used in depression	1 hour	Bed side clinic, DOAP session
		6.4 6.5	Describe treatment of depression: pharmacologic therapy Enumerate the side effects of the drugs used in depression	1 hour	Small group discussion
1/5	Friday	17.1	Enumerate, elicit, document and describe the recognition and clinical presentation of a patient of Deliberate Self harm or suicidal attempt	1 hour	Bed side clinic , Small group discussion
		18.2	Enumerate the indications for modified electroconvulsive therapy	30min	Small group discussion
		18.3	Enumerate and describe the principles of psychosocial interventions in patients of Deliberate Self harm or suicidal attempt	30 min	Small group discussion
		Practice session for clinical and history taking skills/ ward rounds and Student Doctor teaching- learning		1 hour	Bed side clinic

Week / Day	Day of the week	Competency Nos.	Topics & Subtopics	Duration	TL Method
2/1	Monday	7.2	Enumerate, elicit ,describe and document clinical features in a patient of Mania	1 hour	Bed side clinic, DOAP session
		7.3	Enumerate and describe the indications and interpret laboratory and psychological tests used in bipolar disorders	30 min	Bed side clinic, DOAP session
		7.5	Demonstrate family education in patient with mania in a simulated environment	30 min	Bed side clinic, DOAP session
		7.6	Enumerate and describe the pharmacologic basis and side used of drugs used in the treatment of bipolar disorders	1 hour	Small group discussion
2/2	Tuesday	4.2	Enumerate, elicit ,describe and document clinical features in a patient of Alcohol use disorder	1 hours	Bed side clinic /DOAP
		4.3	Enumerate and describe the indications and interpret laboratory tests used in alcohol use disorders	30 min	Bed side clinic, DOAP session
		4.5	Demonstrate family education in patient with alcohol use disorder in a simulated environment	30 min	Bed side clinic, DOAP session
	Practice session for clinical and history taking skills/ ward rounds and Student Doctor Teaching-learning			1 hour	Bed side clinic
2/3	Wednesday	8.2	Enumerate, elicit, describe and document clinical features in patients of panic disorder	1 hour	Bed side clinic ,DOAP session
		8.5	Demonstrate family education in patient with panic disorder in a simulated environment	1 hour	Bed side clinic, DOAP session
		8.4	Describe treatment of panic disorder: pharmacologic therapy	1 hour	Small group discussion
		8.6	Enumerate the side effects of the drugs used in panic disorder		
		18.3	Enumerate and describe principles of Behavior therapy in panic disorders		
2/4	Thursday	14.2	Enumerate, elicit, describe and document clinical features in children having behavioral disorders like ADHD / Conduct disorder	1 hour	Bed side clinic/ DOAP session
		14.4	Demonstrate family education in children having behavioral disorders like ADHD /Conduct disorder in a simulated environment	1 hour	Bed side clinic/ DOAP session
		14.5	Enumerate the drugs and their side effects used in children having behavioral disorders like ADHD / Conduct disorder	1 hour	Small group discussion

2/5	Friday	Internal assessment: Clinical Posting [50 marks] Theory : 20 marks Practical : 20 marks Log book : 5 marks Journal : 5 marks	3hours	Assessment Method Written (MCQs) (10 marks) Modified SAQs (10 marks) OSCE station for attitudinal skill assessment (20 marks)
Student Doctor method of clinical teaching – Students will be allocated cases on the emergency day/ admission day of the clinical unit in which they are posted from the General male and female psychiatry wards and deaddiction wards, which they will be following over the period of indoor stay and the same will be entered in the Logbook.				

DEPT. OF RADIOLOGY, SETH G.S. MEDICAL COLLEGE AND KEM HOSPITAL

COURSE CONTENT (FOR SECOND YEAR MBBS – FEBRUARY/MARCH 2021)

SUBJECT: RADIODIAGNOSIS

(BASED ON MEDICAL COUNCIL OF INDIA COMPETENCY GUIDELINES)

1. Total teaching course: 30

2. Lectures (hours): 30 hours

3. Clinical posting (hours): 30 hours

Week/Day	Day of week	Competency nos.	Topics and subtopics	Duration	Teaching Learning Method
1/1	Monday	RD1.1 RD1.2	Introduction to radiology and radiation protection -Define radiation and the interaction of radiation and importance of radiation protection -Describe the evolution of Radiodiagnosis. Identify various radiological equipments In the current era	3 hours	Lecture, Group discussion
1/2	Tuesday	RD1.3 RD1.4 RD1.5 RD1.6 RD1.7	Utility of radiology in various fields -Enumerate indications for various common radiological investigations, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorder of ENT, OBGY, Internal Medicine, Surgery and Paediatrics	3 hours	Lecture, Group discussion
1/3	Wednesday	AN25.7 AN25.8 AN54.2	Understanding plain X-rays and Barium procedures -Identify structures seen on a plain x-ray chest (PA view) Identify and describe in brief a barium swallow -Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	3 hours	Lecture, Group discussion, Observe, Assist and Perform
1/4	Thursday	RD1.9 AN43.8 AN43.9	Basics of intervention -Describe the role of Interventional Radiology in common clinical Conditions -Describe the anatomical route used for carotid angiogram and vertebral angiogram Identify anatomical structures in	3 hours	Lecture, Group discussion

			carotid angiogram and vertebral angiogram		
1/5	Friday	RD1.10	Emergency Radiology -Describe the role of Emergency Radiology, miscellaneous & applied aspects, interaction with clinical departments	3 hours	Lecture, Group discussion, MCQ test
2/1	Monday	FM1.9 RD1.13	Medicolegal issues in radiology -Describe the importance of documentation in medical practice in regard to medicolegal examinations, Medical Certificates and medicolegal reports -Describe the components of the PC & PNDT Act and its medicolegal implications	3 hours	Lecture
2/2	Tuesday	IM10.19 PE21.13	Understanding Ultrasonography -Enumerate the indications and describe the findings in renal Ultrasound -Enumerate the indications for and Interpret the written report of Ultra sonogram of KUB	3 hours	Lecture, Group discussion
2/3	Wednesday	PE23.13 PE23.16	Cardiovascular Imaging -Interpret a chest radiograph and recognize Cardiomegaly -Use the ECHO reports in management of cases.	3 hours	Lecture, Group discussion
2/4	Thursday	SU25.3	Breast Imaging -Describe the etiopathogenesis, clinical features, Investigations and principles of treatment of benign and malignant tumours of breast.	3 hours	Lecture, Group discussion, Viva voce
2/5	Friday	AN54.3 IM6.12 IM5.13	Advanced and Oncoimaging -Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen. -Enumerate the indications and describe the findings for CT of the chest and brain and MRI. -Enumerate the indications for ultrasound and other imaging studies including MRCP and ERCP and describe the findings in liver disease.	3 hours	Lecture. Group discussion, Viva voce.