

GENERAL MEDICINE

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

1. During 3rd Professional Part-1, there will be clinical postings for 4 weeks duration. The competencies which will be taught during this period are enclosed herewith.
2. Each student will be allotted to follow 4 patients in the ward.
3. Students will take proper history and do physical examination of the given patients in the ward daily.
4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases
6. Students undergo training in skill lab for 3hrs in each week (Every Saturday) to attain proficiency in various skill competencies.
7. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
8. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty.
9. Students will be actively involved in the follow up management of patients allotted to them regarding investigations and treatment protocol.
10. Students will analyze the investigation reports and review diagnosis and treatment plan if needed and report to the Unit Incharge.
11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

List of competencies taught during 3rd Professional Part-1:

BED SIDE CLINICS FOR FINAL MBBS -PART I (2019 - 2020 ADMITTED BATCH)			
Duration 4 Weeks			Vertical Integration
Week I	IM 1.14	Demonstrate and measure jugular venous distension	
	IM 1.15	Identify and describe the timing, pitch quality conduction and significance of precordial murmurs and their variations	
	IM 1.28	Enumerate the causes of adult presentations of congenital heart disease and describe the distinguishing features between cyanotic and acyanotic heart disease	
	IM 1.29	Elicit document and present an appropriate history, demonstrate correctly general examination, relevant clinical findings and formulate document and present a management plan for an adult patient presenting with a common form of congenital heart disease	
	IM 2.7	Perform, demonstrate and document a physical examination including a vascular and cardiac examination that is appropriate for the clinical presentation	
	IM 3.5	Perform, document and demonstrate a physical examination including general examination and appropriate examination of the lungs that establishes the diagnosis, complications and severity of disease	
Week II	IM 5.10	Perform a systematic examination that establishes the diagnosis and severity that includes nutritional status, mental status, jaundice, abdominal distension ascites, features of portosystemic hypertension and hepatic encephalopathy	
	IM 5.14	Outline a diagnostic approach to liver disease based on hyperbilirubinemia, liver function changes and hepatitis serology	Radiodiagnosis
	IM 5.15	Assist in the performance and interpret the findings of an ascitic fluid analysis	
	IM 7.12	Perform a systematic examination of all joints, muscle and skin that will establish the diagnosis and severity of diseasez	
	IM 7.19	Develop an appropriate treatment plan for patients with rheumatologic diseases	
	IM 7.20	Select, prescribe and communicate appropriate medications for relief of joint pain	Pharmacology

Week III	IM 7.21	Select, prescribe and communicate preventive therapy for crystalline arthropathies	Pharmacology
	IM 7.22	Select, prescribe and communicate treatment option for systemic rheumatologic conditions	Pharmacology
	IM 7.23	Describe the basis for biologic and disease modifying therapy in rheumatologic diseases	Pharmacology
	IM 8.10	Perform a systematic examination that includes : an accurate measurement of blood pressure, fundus examination, examination of vasculature and heart	
	IM 8.16	Develop and communicate to the patient lifestyle modification including weight reduction, moderation of alcohol intake, physical activity and sodium intake	
	IM 8.18	Incorporate patient preferences in the management of HTN	
Week IV	IM 8.19	Demonstrate understanding of the impact of Hypertension on quality of life, well being, work and family	
	IM 10.13	Perform a systematic examination that establishes the diagnosis and severity including determination of volume status, presence of edema and heart failure, features of uraemia and associated systemic disease	
	IM 12.11	Interpret thyroid function tests in hypo and hyperthyroidism	
	IM 13.8	Perform and demonstrate a physical examination that includes an appropriate general and local examination that excludes the diagnosis, extent spread and complications of cancer	
	IM 14.10	Describe the indications and interpret the results of tests for secondary causes of obesity	
	IM 14.11	Communicate and counsel patient on behavioural, dietary and lifestyle modifications	
	IM 14.12	Demonstrate an understanding of patient's inability to adhere to lifestyle instructions and counsel them in a non - judgemental way	

Department of General Surgery

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

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2. Each student will be allotted to follow 4 patients in the ward.
3. Students will take proper history and do physical examination of the given patients in the ward daily.
4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases
6. Students undergo training in skill lab for 3hrs in each week (Every Saturday) to attain proficiency in various skill competencies.
7. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
8. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty.
9. Students will be actively involved in the follow up management of patients allotted to them regarding investigations and treatment protocol.
10. Students will analyze the investigation reports and review diagnosis and treatment plan if needed and report to the Unit Incharge.
11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

List of competencies taught during 3rd Professional Part-1:

BED SIDE CLINICS FOR Phase II MBBS				
Duration 4 Weeks				
S.No	Number	Competency	Teaching method	
Week- I	1	SU5.2	Elicit, document and present a history in a patient presenting with wounds.	Small group teaching/DOAP
	2	SU10.3	Observe common surgical procedures and assist in minor surgical procedures; Observe emergency lifesaving surgical procedures.	CLINICS(OT)
	3	SU18.3	Describe and demonstrate the clinical examination of surgical patient including swelling and order relevant investigation for diagnosis. Describe and discuss appropriate treatment plan.	Small group teaching/DOAP
	4	SU22.3	Demonstrate and document the correct clinical examination of thyroid swellings and discuss the differential diagnosis and their management	Small group teaching/DOAP
	5	SU25.5	Demonstrate the correct technique to palpate the breast for breast swelling in a mannequin or equivalent	Small group teaching/DOAP
	6	SU27.2	Demonstrate the correct examination of the vascular system and enumerate and describe the investigation of vascular disease	Small group teaching/DOAP
	7	SU27.8	Demonstrate the correct examination of the lymphatic system	Small group teaching/DOAP
Week- II	8	SU28.2	Demonstrate the correct technique to examine the patient with hernia and identify different types of hernias.	Small group teaching/DOAP
	9	SU28.9	Demonstrate the correct technique of examination of a patient with disorders of the stomach	Small group teaching/DOAP
	10	SU28.18	Describe and demonstrate clinical examination of abdomen. Order relevant investigations. Describe and discuss appropriate treatment plan	Small group teaching/DOAP
	11	SU10.2	Describe the steps and obtain informed consent in a simulated environment	SKILL LAB(DOAP/Small group discussion)
	12	SU10.4	Perform basic surgical Skills such as First aid including suturing and minor surgical procedures in simulated environment	SKILL LAB(DOAP/Small group discussion)
	13	SU11.3	Demonstrate maintenance of an airway in a mannequin or equivalent	SKILL LAB(DOAP/Small group discussion)
	14	SU29.10	Demonstrate a digital rectal examination of the prostate in a mannequin or equivalent	SKILL LAB(DOAP/Small group discussion)
	15	SU14.4	Demonstrate the techniques of asepsis and suturing in a simulated environment	SKILL LAB(DOAP/Small group discussion)
	16	SU17.1	Describe the Principles of FIRST AID	SKILL LAB(DOAP/Small group discussion)
	17	SU17.2	Demonstrate the steps in Basic Life Support. Transport of injured patient in a simulated environment	SKILL LAB(DOAP/Small group discussion)

Week-III	18	SU17.10	Demonstrate Airway maintenance. Recognize and manage tension pneumothorax, hemothorax and flail chest in simulated environment.	SKILL LAB(DOAP/Small group discussion)
	19	SU2.3	Communicate and counsel patients and families about the treatment and prognosis of shock demonstrating empathy and care	TUTORIAL/AETCOM
	20	SU3.2	Observe blood transfusions.	
	21	SU3.3	Counsel patients and family/ friends for blood transfusion and blood donation.	TUTORIAL/AETCOM
Week-IV	22	SU4.4	Burns - Communicate and counsel patients and families on the outcome and rehabilitation demonstrating empathy and care.	TUTORIAL/AETCOM
	23	SU8.2	Demonstrate Professionalism and empathy to the patient undergoing General Surgery	TUTORIAL/AETCOM
	24	SU8.3	Discuss Medico-legal issues in surgical practice	TUTORIAL/AETCOM
	25	SU9.1	Choose appropriate biochemical, microbiological, pathological, imaging investigations and interpret the investigative data in a surgical patient	TUTORIAL/AETCOM
	26	SU9.3	Communicate the results of surgical investigations and counsel the patient appropriately	TUTORIAL/AETCOM
	27	SU13.4	Counsel patients and relatives on organ donation in a simulated environment	TUTORIAL/AETCOM
	28	SU25.4	Counsel the patient and obtain informed consent for treatment of malignant conditions of the breast	TUTORIAL/AETCOM

Department of Obstetrics and Gynaecology

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

1. During 3rd Professional Part-1, there will be clinical postings for 4 weeks duration. The competencies which will be taught during this period are enclosed herewith.
2. Each student will be allotted to follow 2 (1 Gynaec, 1 Obstetrics) patients in the ward.
3. Students will take proper history and do physical examination of the given patients in the ward daily.
4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases.
6. Students are also required to observe various surgeries and procedures posted on the OT day of their respective units. 3 hours in a week are allotted to OT. They will also follow those cases in the post operative period, discuss the management of postoperative complications if any till discharge. The same will be recorded in their log book.
7. Students undergo training in skill lab for 6hrs in 4 weeks of posting to attain proficiency in various skill competencies.
8. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
9. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty. AETCOM will be taught where ever applicable during the clinical postings.
10. Students will be actively involved in the follow up and management of patients allotted to them regarding investigations and choice of treatment.
11. Students will analyse the investigation reports and review diagnosis and treatment plan if needed and report to the Unit In charge.
12. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. of competencies and record the same in their log books

List of competencies taught during 3rd Professional Part-1:

BED SIDE CLINICS FOR FINAL MBBS -PART I (2019 - 2020 ADMITTED BATCH)			
Duration 4 Weeks			Vertical Integration
	Normal Labour		
Week I	OG 13.1	Mechanism of labour in occipito - anterior presentation, monitoring of labour including partogram, conduct of labour, pain relief, principles of induction and acceleration of labour, management of third stage of labour.	
	OG 13.2	Causes, pathophysiology, diagnosis, investigations and management of preterm labor, PROM and postdated pregnancy.	
	Puerperium		
	OG 19.1	Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception. Puerperal sterilization.	
	OG 19.2	Counsel in a simulated environment, contraception and puerperal sterilisation.	
	OG 36.2	Organise antenatal, postnatal, well-baby and family welfare clinics	
	Contraception		
	OG 21.1	Describe and discuss the temporary and permanent methods of contraception, indications, technique and complications, selection of patients, side effects and failure rate including Ocs, male contraception, emergency contraception and IUCD.	
	Topic: MTP		
OT	OG 20.2	In a simulated environment administer informed consent to a person wishing to undergo Medical Termination of Pregnancy.	
	OG 37.4	Observe and assist in the performance of Dilatation & Curettage (D&C)	
	OG 37.5	Observe and assist in the performance of Endometrial aspiration -endocervical curettage (EA - ECC)	
	OG 37.7	Observe and assist in the performance of MTP in the first trimester and evacuation in incomplete abortion	

	Abnormal Labour			
Week II	OG 14.1	Enumerate and discuss the diameters of maternal pelvis and types.		
	OG14.2	Discuss the mechanism of normal labor, define and describe obstructed labor, its clinical features; prevention; and management.		
	OG 14.3	Describe and discuss rupture uterus, causes, diagnosis and management.		
	OG 14.4	Describe and discuss the classification; diagnosis; management of abnormal labour.		
	Third Stage complications			
	OG 16.1	Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in postpartum haemorrhage.		
Week III	OG 16.2	Describe and discuss uterine inversion – causes, prevention, diagnosis and management.		
	OG 37.1	Observe and assist in the performance of a Caesarean section.		
	Medical Disorders			
	OG 12.1	Define, classify and describe the etiology and pathophysiology, early detection, investigations, principles of management of hypertensive disorders of pregnancy and eclampsia, complications of eclampsia.		
	OG 12.2	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of anemia in pregnancy.		
	OG 12.3	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of diabetes diseases in pregnancy.		
	OG 12.4	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and foetus and the management during pregnancy and labor, and complications of heart diseases in pregnancy.		
	OG 12.5	Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of urinary tract infections in pregnancy.		
OT	OG 37.2	Observe and assist in the performance of Laparotomy		

	Vaginal Discharge		
	OG 35.2	Arrive at a logical provisional diagnosis after examination.	
Week IV	OG 22.2	Describe and discuss the etiology (with special emphasis on Candida, T.vaginalis bacterial vaginosis), characteristics, clinical diagnosis, investigations, genital hygiene, management of common causes and the syndromic management.	
	Fibroid		
	OG 29.1	Describe and discuss the etiology; pathology; clinical features; differential diagnosis, investigations, principles of management, complications of fibroid uterus.	
OT	OG 38.1	Laparoscopy	
	OG 38.3	Lap sterilization	

Oneday(3hours) in a week will be allotted to observe the procedures and surgeries in Operation Theatre and the following competencies will be covered depending on the availability of cases.

OG 37.4, OG 37.5, OG 37.7, 36.3, OG 15.2, OG 19.3.

Six hours will be allotted to skill lab during the posting and the following competencies will be covered

OG 13.1, OG 13.4, OG 13.5, OG 14.2, OG 15.2.

Department of Paediatrics

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

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4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases
6. Students undergo training in skill lab for 3hrs in each week (Every Saturday) to attain proficiency in various skill competencies.
7. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
8. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty.
9. Students will be actively involved in the follow up management of patients allotted to them regarding investigations and treatment protocol.
10. Students will analyze the investigation reports and review diagnosis and treatment plan if needed and report to the Unit Incharge.
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2nd MBBS CLINICAL POSTING

2weeks posting (5 days a week)

S. No	TOPIC CODE	TOPIC	CP
Week 1	PE1.4	Perform Anthropometric measurements for different age groups, document in growth charts and interpret	Day 1
	PE11.5	Calculate BMI, document in BMI chart and interpret	
	PE1.7	Perform Developmental assessment and interpret	Day 2
	PE 7.7	Perform breast examination and Identify common problems during lactation such as retracted nipples, cracked nipples, breast engorgement, breast abscess	Day 3
	PE 7.5	Observe correct technique of breast feeding and distinguish right from wrong technique	
	PE8.3	Enumerate the common complimentary foods	Day 4
	PE 8.4	Elicit history on the Complementary Feeding habits	
	PE 9.4	Elicit, document and present an appropriate nutritional history and perform a dietary recall	
	PE 9.5	Calculate the age appropriate calorie requirement in health and disease and Identify gaps	
	PE 9.6	Assess and classify the nutrition status of infants, children and adolescents and recognize deviations	
PE 9.7	Plan an appropriate diet in health and disease		
	PE2.2	Assessment of a child with failure to thrive including eliciting an appropriate history and examination	Day 5
	PE2.3	Counseling apparent with failing to thrive child	
Week 2	PE2.5	Assessment of a child with short stature: Elicit history; perform examination, document and present.	Day 1
	PE 11.3	Assessment of a child with obesity with regard to eliciting history including physical activity, charting and dietary recall	
	PE 11.4	Examination including calculation of BMI, measurement of waist hip ratio, Identifying external markers like acanthosis, striae, pseudo-gynecomastia	
	PE6.8	Respecting patient privacy and maintaining Confidentiality while dealing with	Day 2

3RD

		adolescence	
	PE6.9	Perform routine Adolescent Health checkup including eliciting history, performing examination including SMR (Sexual Maturity Rating), growth assessments(using Growth charts)and systemic exam including thyroid and Breast exam and the HEADS screening	
	PE 18.3	Conduct antenatal examination of women independently and apply at- risk approach in antenatalcare	Day 3
	PE 18.4	Provide intra-natal care and conduct a normal deliveryIn a simulated environment	
	PE 18.5	Provide intra-natal care and observe the conduct of aNormal delivery	
	PE 18.6	Perform Postnatal assessment of new born andmother, provide advice on breastfeeding, weaning and on family planning	
	PE 7.8	Educate mothers on ante natal breast care and prepare mothers for lactation	Day 4
	PE 7.9	Educate and counsel mothers for best practices in Breastfeeding	
	PE 7.10	Respects patient privacy	
	PE 7.11	Participate in Breastfeeding Week Celebration	Day 5
	PE8.5	Counsel and educate mothers on the best practices in Complementary feeding	

MBBS (PART 1) CLINICAL POSTINGS

DEPARTMENT OF PAEDIATRICS

4weeks posting (6 days a week)

Each clinical posting (CP) - 3 hours

S. No	TOPIC CODE	TOPIC	CP
Week 1	P E10.3	Assessment of a patient with SAM and MAM,diagnosis, classification and planning management including hospital and community-based intervention, rehabilitation and prevention	Day 1
	P E10.4	Identify children with under nutrition as per IMNCI criteria and plan referral	
	P E 10.5	Counsel parents of children with SAM and MAM	
	PE 12.3	Identify the clinical features of dietary deficiency /excess of Vitamin A	Day 2
	PE 12.4	Diagnose patients with Vitamin A deficiency (VAD),classify and plan management	
	PE 12.8	Identify the clinical features of dietary deficiency	

		of Vitamin D	
	PE 12.9	Assess patients with Vitamin D deficiency, diagnose, classify and plan management	
	PE 12.17	Identify the clinical features of Vitamin B complex deficiency	
	PE 12.18	Diagnose patients with vitamin complex deficiency and plan management	
	PE 12.21	Identify the clinical features of vitamin deficiency	
Week 1	PE13.3	Identify the clinical features of dietary deficiency of Iron and make a diagnosis	Day 3
	PE 13.4	Interpret hemogram and Iron Panel	
	PE 13.5	Propose a management plan for IRON deficiency anemia	
	PE 15.6	Demonstrate the steps of inserting an IV cannula in a model	Day 4
	PE 15.7	Demonstrate the steps of inserting an interosseous line in a mannequin	
	PE16.2	Assess children < 2 months using IMNCI guidelines	Day 5
	PE16.3	Assess children > 2 months to 5years using IMNCI guidelines and stratify risk	
	PE 18.3	Conduct antenatal examination of women independently and apply at-risk approach in antenatal care	Day 6 Integrate with OBG
	PE 18.6	Perform Postnatal assessment of newborn and mother, provide advice on breastfeeding, weaning and on family planning	
PE 18.7	Educate and counsel care givers of children		
PE 18.8	Observe the implementation of the program by visiting rural health centre		
Week 2	PE 18.4	Provide intra-natal care and conduct a normal delivery in a simulated environment	Day 1
	PE 18.5	Provide intra-natal care and observe the conduct of a normal delivery	Integrate with OBG
Week 2	PE 19.6	Assess patient for fitness for immunization and prescribe an age appropriate immunization schedule	Day 2 Day 3
	PE 19.7	Educate and counsel a patient for immunization	
	PE 9.11	Document Immunization in an immunization record	
	PE 19.10	Observe the handling and storing of vaccines	
	PE 19.12	Observe the administration of UIP vaccines	
	PE 19.13	Demonstrate the correct administration of different vaccines in a mannequin	
	PE 19.14	Practice Infection control measures and appropriate handling of the sharps	
	PE 20.3	Perform Neonatal resuscitation in a manikin	Day 4

	PE 20.4	Assessment of a normal neonate	Day 5
	PE 20.5	Counsel/educate mothers on the care of neonates	
	PE 20.6	Explain the follow-up care for neonates including Breastfeeding, temperature maintenance, immunization, importance of growth monitoring and red flags.	
	PE 20.18	Identify and stratify risk in a sick neonate using IMNCI guidelines	
	PE 24.9	Elicit, document and present history pertaining to diarrheal diseases	Day 6
	PE 24.10	Assess for signs of dehydration, document and present	
	PE 24.11	Apply the IMNCI guidelines in risk stratification of children with diarrheal dehydration and refer	
	PE 24.13	Interpret RFT and electrolyte report	
	PE 24.14	Plan fluid management as per the WHO criteria	
	PE 4.12.1	Perform and interpret stool examination including Hanging Drop	Intergrate with MICRO
Week 3	PE 24.15	Perform NG tube insertion in a manikin	Day 1
	PE 24.16	Perform IV cannulation in a model	Day 2
	PE 24.17	Perform Interosseous insertion model	
Week 3	PE 26.5	Elicit document and present the history related to diseases of Gastrointestinal system	Day 3 Day 4 Day 5
	PE 26.6	Identify external markers for GI and Liver disorders e.g. Jaundice, Pallor, Gynecomastia, Spider angioma, Palmar erythema, Icthyosis, Caput medusa, Clubbing, Failing to thrive, Vitamin A and D deficiency	
	PE 26.7	Perform examination of the abdomen, demonstrate organomegaly, ascites etc.	
	PE 26.8	Analyze symptoms and interpret physical signs to make a provisional/ differential diagnosis	
	PE 26.9	Interpret Liver Function Tests, viral markers, Ultra sonogram report	
	PE26.13	Counsel and educate patients and their family ,Appropriately on liver diseases	
	PE26.10	Demonstrate the technique of liver biopsy in a Perform Liver Biopsy in a simulated environment	
	PE 28.9	Elicit, document and present age appropriate history of a child with upper respiratory problem including Stridor	Day 6 Integrate with ENT
	PE28.10	Perform otoscopic examination of the ear	
	PE28.11	Perform throat examination using tongue depressor	
PE28.12	Perform examination of the nose		
PE28.13	Analyze the clinical symptoms and interpret physical findings and make a		

		provisional / differential diagnosis in a child with ENT symptoms	
Week 4	PE28.14	Develop a treatment plan and document appropriately in a child with upper respiratory symptoms	Day 1 Day 2
	PE28.15	Stratify risk in children with stridor using IMNCI guidelines	
	PE28.16	Interpret blood tests relevant to upper respiratory problems	
	PE28.17	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	
	PE 34.5	Able to elicit, document and present history of contact with tuberculosis in every patient encounter	
	PE 34.6	Identify a BCG scar	Day 3
	PE 34.7	Interpret a Mantoux Test	Day 4
	PE 34.8	Interpret a chest radiograph	Integrate with MICROBIO LOGY
	PE 34.9	Interpret blood tests in the context of laboratory evidence for tuberculosis	
	PE 34.10	Discuss the various samples for demonstrating the organism e.g. Gastric Aspirate, Sputum, CSF, FNAC	
	PE 34.11	Perform AFB staining	
	PE 32.2	Identify the clinical features of Down Syndrome	Day 5
	PE 32.3	Interpret normal Karyotype and recognize Trisomy 21	Day 6
	PE 32.5	Counsel parents regarding 1. Present child 2. Risk in the next pregnancy	
	PE 32.7	Identify the clinical features of Turner Syndrome	
	PE 32.8	Interpret normal Karyotype and recognize Turner Karyotype	
	PE 32.12	Identify the clinical features of Klinefelter Syndrome	
	PE 32.13	Interpret normal Karyotype and recognize the Klinefelter Karyotype	

3RD MBBS PART II CLINICAL POSTING
4 weeks (6 days per week)
Each clinical posting (CP) Duration: 3hr.

No	CODE	COMPETENCY	CP	
Week 1	PE 23.7	Elicit appropriate history for a cardiac disease, analyze the symptoms e.g. breathlessness, chest pain, tachycardia, feeding difficulty, failing to thrive, reduced urinary output, swelling, syncope, cyanotic spells, Suck rest cycle, frontal swelling in infants.	Day 1	
	PE 23.8	Identify external markers of a cardiac disease e.g. Cyanosis, Clubbing, dependent edema, dental caries, arthritis, erythema rash, chorea, subcutaneous nodules, Osler node, Janeway lesions and document		
	PE 23.9	Record pulse, blood pressure, temperature and respiratory rate and interpret as per the age		
	PE 23.10	Perform independently examination of the cardiovascular system – look for precordial bulge, pulsations in the precordium, JVP and its significance in children and infants, relevance of percussion in Pediatric examination, Auscultation and other system examination and document		
Week 1	PE 23.11	Develop a treatment plan and prescribe appropriate drugs including fluids in cardiac diseases, anti –failure drugs, and inotropic agents	Day 2	
	PE 23.12	Interpret a chest X ray and recognize Cardiomegaly		
	PE 23.13	Choose and Interpret blood reports in Cardiac illness		
	PE 23.14	Interpret Pediatric ECG		
	PE 23.15	Use the ECHO reports in management of cases		
	PE 23.18	Demonstrate empathy while dealing with children with cardiac diseases in every patient encounter		
	PE 29.10	Elicit, document and present the history related to Hematology		Day 3
	PE 29.11	Identify external markers for hematological disorders e.g. Jaundice, Pallor, Petechiae, Purpura, Ecchymosis, Lymphadenopathy, bone tenderness, loss of weight, Mucosal and large joint bleed.		
PE29.12	Perform examination of the abdomen, demonstrate Organomegaly.			

Week 1	PE 29.13	Analyze symptoms and interpret physical signs to make a provisional /differential diagnosis.	Day 4
	PE 29.14	Interpret CBC, LFT	
	PE 29.15	Perform and Interpret peripheral smear.	
	PE 29.19	Counsel and educate patients about prevention and treatment of anemia.	
	PE 29.17	Demonstrate performance of bone marrow aspiration in mannequin.	
	PE 29.18	Enumerate the referral criteria for Hematological conditions	
	PE 21.8	Elicit, document and present a history pertaining to diseases of the Genitourinary tract	Day 5
	PE 21.9	Identify external markers for Kidney disease, like Failing to thrive,hypertension, pallor, Icthyosis, anasarca	
	PE21.10	Analyze symptom and interpret the physical findings and arrive at an appropriate provisional differential diagnosis	
	PE 21.11	Perform and interpret the common analytes in a Urine examination	Day 6
	PE 21.12	Interpret report of Plain X Ray of KUB	
	PE 21.13	Enumerate the indications for and Interpret the written report of Ultra sonogram of KUB	
	PE 21.14	Recognize common surgical conditions of the abdomen and genitourinary system and enumerate the indications for referral including acute and subacute intestinal obstruction, appendicitis, pancreatitis, perforation intussusception, Phimosis, undescended testis, Chordee, hypospadias, Torsion testis, hernia Hydrocele, Vulval Synechiaie	
	PE 21.16	Counsel / educate a patient for referral appropriately	
PE 22.2	Counsel a patient with Chronic illness		
Week 2	PE 30.18	Demonstrate the correct method for physical examination of CNS including identification of external markers. Document and present clinical findings	
	PE 30.19	Analyse symptoms and interpret physical findings and propose a provisional / differential diagnosis	Day 2
	PE 30.20	Interpret and explain the findings in a CSF analysis	
	PE 30.23	Perform in a mannequin lumbar puncture. Discuss the indications, contraindication of the procedure	
	PE 30.22	Interpret the reports of EEG, CT, MRI	Day 3
	PE 30.21	Enumerate the indication and discuss the limitations of EEG, CT, MRI	
	PE3.3	Assessment of a child with developmental delay-	Day 4

		elicit document and present history	
	PE3.4	Counsel a parent of a child with developmental delay	
	PE 31.2	Recognize the clinical signs of Allergic Rhinitis	Day 5
	PE 31.4	Identify clinical features of atopic dermatitis and manage	Day 6
	PE 31.6	Recognize symptoms and signs of asthma in a child	
	PE 31.7	Develop a treatment plan for a child with appropriate to the severity and clinical presentation	
	PE 31.9	Interpret CBC and CX Ray in Asthma	
	PE 31.11	Observe administration of Nebulization	
Week 3	PE 33.2	Recognize the clinical signs of Hypothyroidism and refer	Day 1
	PE 33.3	Interpret and explain neonatal thyroid screening report	
	PE 33.5	Interpret Blood sugar reports and explain the diagnostic criteria for Type 1 Diabetes	Day 2
	PE 33.6	Perform and interpret Urine Dip Stick for Sugar	
	PE 33.7	Perform genital examination and recognize Ambiguous Genitalia and refer appropriately	Day 3
	PE 33.9	Perform Sexual Maturity Rating (SMR) and interpret	
	PE 33.10	Recognize precocious and delayed Puberty and refer	
	PE 33.11	Identify deviations in growth and plan appropriate referral	
	PE 27.10	Observe the various methods of administering Oxygen	Day 4 Day 5
	PE 27.14	Assess emergency signs and prioritize	
	PE 27.15	Assess airway and breathing: recognize signs of severe respiratory distress. Check for cyanosis, severe chest in drawing, grunting	
	PE 27.16	Assess airway and breathing. Demonstrate the method of positioning of an infant & child to open airway in a simulated environment	
	PE 27.17	Assess airway and breathing: administer oxygen using correct technique and appropriate flow rate	Day 6
	PE 27.18	Assess airway and breathing: perform assisted ventilation by Bag and mask in a simulated environment	
	PE 27.19	Check for signs of shock i.e. pulse, Blood pressure, CRT	
Week 4	PE 27.20	Secure an IV access in a simulated environment	Day 1
	PE 27.21	Choose the type of fluid and calculate the fluid requirement in shock	
	PE 27.22	Assess level of consciousness & provide emergency treatment to a child with convulsions/	Day 2 Integrate

		coma - Position an unconscious child - Position a child with suspected trauma - Administer IV/per rectal Diazepam for a convulsing child in a simulated environment	with Emergency medicine
	PE 27.23	Assess signs of severe dehydration	Day 3
	PE 27.27	Assess for hypothermia and maintain temperature	
	PE 27.28	Provide BLS for children in manikin	Day 4
	PE 27.30	Demonstrate confidentiality with regard to abuse	Day 5
	PE 27.31	Assess child for signs of abuse	
	PE 27.32	Counsel parents of dangerously ill/ terminally ill child to break a bad news	Day 6
	PE 27.33	Obtain Informed Consent	
	PE 27.34	Willing to be a part of the ER team	
	PE 27.35	Attends to emergency calls promptly	

Department of Orthopaedics

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

1. During 3rd Professional Part-1, there will be clinical postings for 4 weeks duration. The competencies which will be taught during this period are enclosed herewith.
2. Each student will be allotted to follow 4 patients in the ward.
3. Students will take proper history and do physical examination of the given patients in the ward daily.
4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases
6. Students undergo training in skill lab for 3hrs in each week (Every Saturday) to attain proficiency in various skill competencies.
7. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
8. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty.
9. Students will be actively involved in the follow up management of patients allotted to them regarding investigations and treatment protocol.
10. Students will analyze the investigation reports and review diagnosis and treatment plan if needed and report to the Unit Incharge.
11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

CLINICAL POSTINGS PHASE 3 PART 1

Topic Code	Topic	No of hours (24 days)	Method of teaching
Fractures			
OR2.10	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of fractures of proximal femur	1 day	CP
OR2.11	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of (a) Fracture patella (b) Fracture distal femur (c) Fracture proximal tibia with special focus on neurovascular injury and compartment syndrome	1 day	CP
OR2.12	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of Fracture shaft of femur in all age groups and the recognition and management of fat embolism as a complication	1 day	CP
OR2.13	Describe and discuss the aetiopathogenesis, clinical features, Investigation and principles of management of: (a) Fracture both bones leg (b) Calcaneus (c) Small bones of foot	1 day	CP
OR2.14	Describe and discuss the aetiopathogenesis, clinical features, Investigation and principles of management of ankle fractures	1 day	CP
OR2.15	Plan and interpret the investigations to diagnose complications of fractures like malunion, non-union, infection, compartmental syndrome	2 days	CP
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	1 day	CP
MUSCULO-SKELETAL INFECTIONS			
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 Suppurative arthritis	3 days	CP
OR3.2	Participate as a member in team for aspiration of joints under supervision	2 days	CP
OR3.3	Participate as a member in team for procedures	2 days	CP

	like drainage of abscess, sequestrectomy/ saucerisation and arthrotomy		
SKELETAL TUBERCULOSIS			
OR4.1	Describe and discuss the clinical features, Investigation and principles of management of Tuberculosis affecting major joints(Hip, Knee) including cold abscess and caries spine	2 days	CP
RHEUMATOID ARTHRITIS and ASSOCIATED INFLAMMATORY DISORDERS			
OR5.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of various inflammatory disorder of joints	2 days	CP
DEGENERATIVE DISORDERS			
OR6.1	Describe and discuss the clinical features, investigations and principles of management of degenerative condition of spine (Cervical Spondylosis, Lumbar Spondylosis, PID)	2 days	CP
BONE TUMOURS			
OR10.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of benign and malignant bone tumours and pathological fractures	3 days	CP

Department of Otorhinolaryngology

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

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4. Faculty will teach them the proper history taking and physical examination during the case presentation by the students.
5. Apart from this, students will be made familiar to the routine OPD services during the admission day of respective unit and follow the admitted cases
6. Students undergo training in skill lab for 3hrs in each week (Every Saturday) to attain proficiency in various skill competencies.
7. Students will be trained to assess the clinical status of patient and communicate any change in patient status to the unit in charge
8. Students will learn communication skills by reflection with patients and their family members by explaining prognosis, treatment, treatment outcomes and patient education by the faculty.
9. Students will be actively involved in the follow up management of patients allotted to them regarding investigations and treatment protocol.
10. Students will analyze the investigation reports and review diagnosis and treatment plan if needed and report to the Unit Incharge.
11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

CLINICAL POSTINGS- STUDENT DOCTOR METHOD OF LEARNING

Students: 2nd Professional year Duration: 4 weeks(60 hours)

S. No	Topic	Competency	Hours	Method of Learning
1	History taking	EN 2.1	3	Clinical Demonstration/Bedside teaching
2	Informed Consent	EN 2.12	3	Clinical Demonstration/Bedside teaching
3	Symptoms in ENT diseases	EN 4.1	3	Clinical Demonstration/Bedside teaching
4	Use of Head lamp in examination	EN 2.2	6	DOAP
5	Examination of the Ear including Otoscopy	EN 2.3	6	DOAP
6	Tympanic membrane	EN 4.4	3	Clinical Demonstration/Bedside teaching
7	Tuning fork tests	EN 2.4	6	DOAP
8.	Examination of the Nose and PNS	EN 2.5	6	DOAP
9	Examination of the Throat	EN 2.6	6	DOAP
10	Examination of the Neck	EN 2.7	6	DOAP
11	Audiometry	EN 2.8	6	DOAP
12	Ear syringing	EN 4.9	6	DOAP
			60	

Students: 3rd Professional year Duration: 4 weeks(72 hours)

S. No	Topic	Competency	Hours	Method of Learning
13	Demonstrate the correct technique to hold visualize and assess the mobility of the tympanic membrane and its mobility and interpret and diagrammatically represent the findings	EN 4.4	6	DOAP
14	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	EN 4.2	3	Clinical Demonstration/Bedside teaching
15	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	EN 4.6	3	Clinical Demonstration/Bedside teaching
16	Elicit document and present a correct history demonstrate and describe the clinical features, choose the correct	EN 4.6, EN 4.7, EN	15	Clinical Demonstration/Bedside teaching

	investigations and describe the principles of management of CSOM	4.8, EN 4.10		DOAP
17	Elicit document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of OME	EN 4.5	3	Clinical Demonstration/Bedside teaching
18	Observe and describe the indications for and steps involved in the performance of pure tone audiometry Enumerate the indications and interpret the results of an audiogram	EN 4.16, EN 4.17	9	DOAP
19	Identify, resuscitate and manage ENT emergencies in a simulated environment (anterior nasal packing)	EN 2.13	3	DOAP
20	Elicit, document and present a correct history, demonstrate and describe the clinical features, choose the correct investigations and describe the principles of management of Acute & Chronic Rhinosinusitis	EN 4.29	3	Clinical Demonstration/Bedside teaching
21	Observe and describe the indications for and steps involved in a tonsillectomy /adenoidectomy	EN 4.40	6	DOAP
22	Describe the clinical features, investigations and principles of management of Acute and Chronic abscesses in relation to the Pharynx	EN 4.41	3	Clinical Demonstration/Bedside teaching
23	Observe and describe the indications for and steps involved in tracheostomy Observe and describe the care of the patient with a tracheostomy	EN 4.50, EN 4.51	6	DOAP
24	Common Instruments used in ENT surgery	EN 2.10	3	Clinical Demonstration/Bedside teaching
25	Choose correctly and interpret radiological, microbiological & histological investigations relevant to the ENT disorders	EN 2.9	6	DOAP
26	Identify, resuscitate and manage ENT emergencies in a simulated environment (removal of foreign bodies in ear, nose, throat and upper respiratory tract)	EN 2.13	3	DOAP
			72	

Department of Ophthalmology

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

CLINICAL POSTINGS- STUDENT DOCTOR METHOD OF LEARNING

STUDENTS-3rd PROFESSIONAL PART-1 STUDENTS

DURATION OF POSTING- 4 WEEKS

METHOD OF TRAINING--MBBS, 3rd PROFESSIONAL YEAR STUDENTS ARE POSTED TO DEPARTMENT OF OPHTHALMOLOGY FOR 4 WEEKS BATCH WISE, EACH BATCH COMPRISING 25 STUDENTS.

AN INTRODUCTORY CLASS IS TAKEN TO THE ENTIRE BATCH REGARDING CASE SHEET WRITING, HOW TO INTERACT WITH PATIENTS, HOW TO ELICIT & RECORD COMPLAINTS, HISTORY OF ILLNESS, NECESSARY PERSONAL & FAMILY HISTORY.

THEY WILL BE EXPLAINED HOW TO EXAMINE THE PATIENT AFTER TAKING HIS/HER CONSENT, HOW TO ELICIT EXAMINATION FINDINGS, SUGGESTING NECESSARY INVESTIGATIONS & TREATMENT BY PRESCRIPTION.

THE STUDENTS ARE DIVIDED INTO BATCHES AND ENTRUSTED TO FACULTY MEMBERS. UNDER GUIDANCE AND SUPERVISION OF DESIGNATED FACULTY MEMBERS, THE STUDENTS WILL PERFORM CLINICAL EXAMINATION, CASE SHEET WRITING, FOLLOW WARD ROUNDS, ATTEND OPERATION THEATRE AND FOLLOW THE ENTRUSTED PATIENT UNTIL HE/SHE IS DISCHARGED FROM WARD.

FACULTY WILL TAKE CLASSES FOR CASE DISCUSSIONS, DISCUSS ETHICAL & HUMANITARIAN ISSUES AND TRAIN HOW TO DOCUMENT THE FINDINGS.

STUDENTS HAVE TO ENTER ALL THEIR DAILY CLINICAL WORK IN LOG BOOK AND SHOW IT TO FACULTY.

LOG BOOK WILL BE REVIEWED PERIODICALLY BY FACULTY AND NECESSARY CORRECTIONS MADE.

BY THE END OF POSTING STUDENT SHOULD LEARN NECESSARY CLINICAL KNOWLEDGE, DOCTOR- PATIENT RELATIONSHIP, ORDERING NECESSRY INVESTIGATIONS, PRESCRIBING TREATMENT & KNOWLEDGE OF REFERRAL WHEN NECESSARY.

AT THE END OF EACH BATCH WARD POSTING, FORMATIVE ASSESSMENT TEST IS CONDUCTED AND FEEDBACK GIVEN TO STUDENT. WHEN NEEDED, REVISED CLASSES AND REEXAMINATION WILL BE CONDUCTED.

DOAP sessions

Sl no	Number	Competency	No. of hours
<u>Topic Visual Acuity Assessment</u>			
1	OP1.3	Demonstrate the steps in performing the visual acuity assessment for distance vision, near vision, colour vision, the pin hole test and the menace and blink reflexes	6
<u>Topic Lids Adnexa and Orbit</u>			
2.	OP2.2	Demonstrate the symptoms & clinical signs of conditions of lids & adnexa.	6
3	OP2.3	Demonstrate under supervision clinical procedures performed in the lid including: bells phenomenon, assessment of entropion/ ectropion, perform the regurgitation test of lacrimal sac. massage technique in cong. dacryocystitis, and trichiatic cilia removal by epilation	3
<u>Topic Conjunctiva</u>			
4	OP3.1	Elicit document and present an appropriate history in a patient presenting with a “red eye” including congestion, discharge, pain	3
5	OP3.2	Demonstrate document and present the correct method of examination of a “red eye” including vision assessment, corneal lustre, pupil abnormality, ciliary tenderness	3
6	OP3.8	Demonstrate correct technique of removal of foreign body from the eye in a simulated environment	3
7	OP3.9	Demonstrate the correct technique of instillation of eye drops in a simulated environment	3
<u>Topic Cornea</u>			
8	OP4.8	Demonstrate technique of removal of foreign body in the cornea in a simulated environment & Corneal diseases	6
9	OP4.10	Counsel patients and family about eye donation in a simulated environment	3
<u>Topic Iris and Anterior chamber</u>			
10	OP6.6	Identify and demonstrate the clinical features and distinguish and diagnose common clinical conditions affecting the anterior chamber	12
11	OP6.10	Counsel patients with conditions of the iris and anterior chamber about their diagnosis, therapy and prognosis in an empathetic manner in a simulated environment	9
<u>Topic Lens</u>			
12	OP7.3	Demonstrate the correct technique of ocular examination in a patient with a cataract	3
13	OP7.4	Enumerate the types of cataract surgery and describe the steps, intra-operative and post-operative complications of extracapsular cataract extraction surgery.	6

Sl no	Number	Competency	No. of hours
14	OP7.5	To participate in the team for cataract surgery	6
15	OP7.6	Administer informed consent and counsel patients for cataract surgery in a simulated environment	3
Topic Miscellaneous			
16	OP9.1	Demonstrate the correct technique to examine extra ocular movements (Unocular& Binocular)	3
		Total Hours:	78

Department of PSYCHIATRY

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

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11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

PSYCHIATRY

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

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Topic	Competencies (Individual break-up)	Integration
Doctor-Patient Relationship	PS1.1 Establish rapport and empathy with patients PS1.2 Describe the components of communication PS1.3 Demonstrate breaking of bad news in a simulated environment PS1.4 Describe and demonstrate the importance of confidentiality in patient encounters (formative assesment, feedback , reflection)	
Mental Health	PS2.1 Define stress and describe its components and causes PS2.2 Describe the role of time management, study skills, balanced diet and sleep wake habits in stress avoidance PS2.3 Define and describe the principles and components of learning memory and emotions PS2.4 Describe the principles of personality development and motivation PS2.5 Define and distinguish normality and abnormality (formative assesment, feedback , reflection)	
Mental Health	PS3.1 Describe the growth of psychiatry as a medical specialty, its history and contribution to society PS3.6 Describe and discuss biological, psychological & social factors & their interactions in the causation of mental disorders PS3.7 Enumerate and describe common organic psychiatric disorders, magnitude, etiology and clinical features PS3.8 Enumerate and describe the essential investigations in patients with organic psychiatric disorders PS3.9 Describe the steps and demonstrate in a simulated environment family education in patients with organic psychiatric disorders PS3.10 Enumerate and describe the pharmacologic basis and side effects of drugs used in psychiatric disorders PS3.2 Enumerate, describe and discuss important signs & symptoms of common mental disorders PS3.3 Elicit, present and document a history in patients presenting with a mental disorder PS3.4 Describe the importance of establishing rapport with patients PS3.5 Perform, demonstrate and document a minimental examination	Genral medicine
Introduction to Psychiatry		
Introduction to Psychiatry		

Introduction to Psychiatry	PS3.11 Enumerate the appropriate conditions for specialist referral in patients with psychiatric disorders	
Substance abuse disorders	PS3 12 . Describe discuss and distinguish psychotic & nonpsychotic (Mood, Anxiety, Stress related) disorders (formative assesment, feedback , reflection) PS4.1 Describe the magnitude and etiology of alcohol and substance use disorders PS4.2 Elicit, describe and document clinical features of alcohol and substance use disorders.	Genral medicine
Substance abuse disorders	PS4.3 Enumerate and describe the indications and interpret laboratory and other tests used in alcohol and substance abuse disorders PS4.4 Describe the treatment of alcohol and substance abuse disorders including behavioural and pharmacologic therapy	General medicine ,Pharmacology
Substance abuse disorders	PS4.5 Demonstrate family education in a patient with alcohol and substance abuse in a simulated environment PS4.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in alcohol and substance abuse PS4.7 Enumerate the appropriate conditions for specialist referral in patients with alcohol and substance abuse disorders (formative assesment, feedback , reflection)	General medicine, Pharmacology
Psychotic Disorders	PS5.1 Classify and describe the magnitude and etiology of schizophrenia & other psychotic disorders PS5.2 Enumerate, elicit, describe and document clinical features PS5.3 Describe the treatment of schizophrenia including behavioural and pharmacologic therapy	Pharmacology
Psychotic Disorders	PS5.4 Demonstrate family education in a patient with schizophrenia in a simulated environment PS5.5 Enumerate and describe the pharmacologic basis and side effects of drugs used in schizophrenia PS5.6 Enumerate the appropriate conditions for specialist referral in patients with psychotic disorders (formative assesment, feedback , reflection)	Pharmacology

Depression	<p>PS6.1 Classify and describe the magnitude and etiology of depression</p> <p>PS6.2 Enumerate, elicit, describe and document clinical features in patients with depression</p> <p>PS6.3 Enumerate and describe the indications and interpret laboratory and other tests used in depression</p>	Pharmacology
Depression	<p>PS6.4 Describe the treatment of depression including behavioural and pharmacologic therapy</p> <p>PS6.5 Demonstrate family education in a patient with depression in a simulated environment</p> <p>PS6.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in depression</p> <p>PS6.7 Enumerate the appropriate conditions for specialist referral in patients with depression.</p> <p>(formative assesment, feedback , reflection)</p>	
Bipolar disorders	<p>PS7.1 Classify and describe the magnitude and etiology of bipolar disorders</p> <p>PS7.2 Enumerate, elicit, describe and document clinical features in patients with bipolar disorders</p> <p>PS7.3 Enumerate and describe the indications and interpret laboratory and other tests used in bipolar disorder</p>	
Bipolar disorders	<p>PS7.4 Describe the treatment of bipolar disorders including behavioural and pharmacologic therapy</p> <p>PS7.5 Demonstrate family education in a patient with bipolar disorders in a simulated environment</p> <p>PS7.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in bipolar disorders</p> <p>PS7.7 Enumerate the appropriate conditions for specialist referral in patients with bipolar disorders</p> <p>(formative assesment, feedback , reflection)</p>	
Anxiety disorders	<p>PS8.1 Enumerate and describe the magnitude and etiology of anxiety disorders</p> <p>PS8.2 Enumerate, elicit, describe and document clinical features in patients with anxiety disorders</p> <p>PS8.3 Enumerate and describe the indications and interpret laboratory and other tests used in anxiety disorders</p>	

Anxiety Disorders	<p>PS8.4 Describe the treatment of anxiety disorders including behavioural and pharmacologic therapy</p> <p>PS8.5 Demonstrate family education in a patient with anxiety disorders in a simulated environment</p> <p>PS8.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in anxiety disorders</p> <p>PS8.7 Enumerate the appropriate conditions for specialist referral in anxiety disorders</p>	Pharmacology
	<p>(formative assesment, feedback , reflection)</p>	
Stress related disorders	<p>PS9.1 Enumerate and describe the magnitude and etiology of stress related disorders</p> <p>PS9.2 Enumerate, elicit, describe and document clinical features in Stress related disorders</p> <p>PS9.2 Enumerate, elicit, describe and document clinical features in patients with stress related disorders</p> <p>PS9.3 Enumerate and describe the indications and interpret laboratory and other tests used in stress related disorders</p> <p>PS9.4 Describe the treatment of stress related disorders including behavioural and psychosocial therapy</p> <p>PS9.5 Demonstrate family education in a patient with stress related disorders in a simulated environment</p>	
Stress related disorders	<p>Learning method</p> <p>PS9.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in stress related disorders</p> <p>PS9.7 Enumerate the appropriate conditions for specialist referral in stress disorders</p>	
Somatoform disorders	<p>(formative assesment, feedback , reflection)</p> <p>PS10.1 Enumerate and describe the magnitude and etiology of somatoform, dissociative and conversion disorders</p> <p>PS10.2 Enumerate, elicit, describe and document clinical features in patients with somatoform, dissociative and conversion disorders</p> <p>PS10.3 Enumerate and describe the indications and interpret laboratory and other tests used in somatoform, dissociative and conversion disorders</p>	General medicine

	PS10.4 Describe the treatment of somatoform disorders including behavioural, psychosocial and pharmacologic therapy	
	PS10.5 Demonstrate family education in a patient with somatoform, dissociative and conversion disorders in a simulated environment	
Somatoform disorders	PS10.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in somatoform, dissociative and conversion disorders	General medicine , Pharmacology
	PS10.7 Enumerate the appropriate conditions for specialist referral in patients with somato form dissociative and conversion disorders	
	(formative assesment, feedback , reflection)	
	PS11.1 Enumerate and describe the magnitude and etiology of personality disorders	
Personality disorders	PS11.2 Enumerate, elicit, describe and document clinical features in patients with personality disorders	
	PS11.3 Enumerate and describe the indications and interpret laboratory and other tests used in personality disorders	
	PS11.4 Describe the treatment of personality disorders including behavioural, psychosocial and pharmacologic therapy	
Personality Disorders	PS11.5 Demonstrate family education in a patient with personality disorders in a simulated environment	Pharmacology
	PS11.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in personality disorders discussion	
	PS11.7 Enumerate the appropriate conditions for specialist referral	
	(formative assesment, feedback , reflection)	
	PS12.1 Enumerate and describe the magnitude and etiology of psychosomatic disorders	
Psychosomatic disorders	PS12.2 Enumerate, elicit, describe and document clinical features in patients with magnitude and etiology of psychosomatic disorders	General medicine
	PS12.3 Enumerate and describe the indications and interpret laboratory and other tests of psychosomatic disorders	

	PS12.4 Describe the treatment of psychosomatic disorders including behavioural, psychosocial and pharmacologic therapy	
Psychosomatic disorders	PS12.5 Demonstrate family education in a patient with psychosomatic disorders in a simulated environment	General medicine , Pharmacology
	PS12.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in psychosomatic disorders	
	PS12.7 Enumerate the appropriate conditions for specialist referral (formative assesment, feedback , reflection)	
Psychosexual and Gender Identity Disorders	PS13.1 Enumerate and describe the magnitude and etiology of psychosexual and gender identity disorders	
	PS13.2 Enumerate, elicit, describe and document clinical features in patients with magnitude and etiology of psychosexual and gender identity disorders	
	PS13.3 Enumerate and describe the indications and interpret laboratory and other tests used in psychosexual and gender identity disorders	
	PS13.4 Describe the treatment of psychosexual and gender identity disorders including behavioural, psychosocial and pharmacologic therapy	
Psychosexual and Gender Identity Disorders	PS13.5 Demonstrate family education in a patient with psychosexual and gender identity disorders in a simulated environment	Pharmacology
	PS13.6 Enumerate and describe the pharmacologic basis and side effects of drugs used in psychosexual and gender identity disorders	
	PS13.7 Enumerate the appropriate conditions for specialist referral. (formative assesment, feedback , reflection)	
Psychiatric disorders in childhood and adolescence	PS14.1 Enumerate and describe the magnitude and etiology of psychiatric disorders occurring in childhood and adolescence	
	PS14.2 Enumerate, elicit, describe and document clinical features in patients with psychiatric disorders occurring in childhood and adolescence	

Psychiatric disorders in childhood and adolescence	<p>PS14.3 Describe the treatment of stress related disorders including behavioural, psychosocial and pharmacologic therapy</p> <p>PS14.4 Demonstrate family education in a patient with psychiatric disorders occurring in childhood and adolescence in a simulated environment</p> <p>PS14.5 Enumerate and describe the pharmacologic basis and side effects of drugs used in psychiatric disorders occurring in childhood and adolescence</p>	Pediatrics
Psychiatric disorders in childhood and adolescence	<p>PS14.6 Enumerate the appropriate conditions for specialist referral in children and adolescents with psychiatric disorders.</p> <p>(formative assesment, feedback , reflection)</p>	
Mental Retardation	<p>PS15.1 Describe the aetiology and magnitude of mental retardation</p> <p>PS15.2 Describe and discuss intelligence quotient and its measurement</p> <p>PS15.3 Elicit and document a history and clinical examination and choose appropriate investigations in a patient with mental retardation</p>	Pediatrics
Mental Retardation	<p>PS15.4 Describe the psychosocial interventions and treatment used in mental retardation.</p> <p>(formative assesment, feedback , reflection)</p>	
Psychiatric disorders in the Elderly	<p>PS16.1 Enumerate and describe common psychiatric disorders in the elderly including dementia, depression and psychosis</p> <p>PS16.2 Describe the aetiology and magnitude of psychiatric illness in the elderly</p> <p>PS16.3 Describe the therapy of psychiatric illness in elderly including psychosocial and behavioural therapy</p>	
Psychiatric disorders in the Elderly	<p>PS16.4.Demonstrate family education in a patient with psychiatric disorders occurring in the elderly in a simulated environment</p> <p>PS16.5 Enumerate the appropriate conditions for specialist referral in psychiatric disorders in the elderly.</p> <p>(formative assesment, feedback , reflection)</p>	General medicine
Psychiatric Emergencies	<p>PS17.1 Enumerate and describe the recognition and clinical presentation of psychiatric emergencies (Suicide, Deliberate Self Harm, Violent behaviour)</p>	

Psychiatric Emergencies	<p>PS17.2 Describe the initial stabilisation and management of psychiatric emergencies</p> <p>PS17.3 Enumerate the appropriate conditions for specialist referral in patients with psychiatric emergencies. (formative assesment, feedback , reflection)</p>	
Therapeutics	<p>PS18.1 Enumerate the indications and describe the pharmacology, dose and side effects of commonly use drugs in psychiatric disorders</p> <p>PS18.2 Enumerate the indications for modified electroconvulsive therapy</p>	Pharmacology
Therapeutics	<p>PS18.3 Enumerate and describe the principles and role of psychosocial interventions in psychiatric illness including psychotherapy, behavioural therapy and rehabilitation. (formative assesment, feedback , reflection)</p>	
Miscellaneous	<p>PS19.1 Describe the relevance, role and status of community psychiatry</p> <p>PS19.2 Describe the objectives strategies and contents of the National Mental health programme</p>	Community medicine
Miscellaneous	<p>PS19.3 Describe and discuss the basic legal and ethical issues in psychiatry</p> <p>PS19.4 Enumerate and describe the salient features of the prevalent mental health laws in India</p>	Forensic medicine
Miscellaneous	<p>PS19 5. Describe the concept and principles of preventive psychiatry and Describe the concept and principles of preventive psychiatry and mental health promotion (positive mental health); and community education</p> <p>PS19.6 Enumerate and describe the identifying features and the principles of participatory management of mental illness occurring during and after disasters. (formative assesment, feedback , reflection)</p>	

Department of Anaesthesiology

Learner – Doctor Programme for CBME batch for 3rd Professional Part-1

1. During 3rd Professional Part-1, there will be clinical postings for 1 weeks duration. The competencies which will be taught during this period are enclosed herewith.
2. Each student will be allotted to follow 2 patients in the Operating room.
3. Students will take proper history and do physical examination of the given patients before shifting to operating room.
4. Faculty will teach them preoperative assessment - proper history taking and physical examination of cases posted for surgery .
5. Apart from this, students will be made familiar to the routine OPD services - PAC and Pain clinic .
6. Students undergo training in skill lab for 3hrs on Saturday to attain proficiency in various skill competencies.
7. Students will be trained how to take various consents for surgery and maintain proper documentation of cases posted for surgery
8. Students will be trained how to administer regional anesthesia under supervision.
9. Students will be actively trained how to perform CPR independently in various scenarios .
10. Students will be taught about airway assessment trained how to perform laryngoscopy and administer general anesthesia.
11. As per the curriculum students will be trained in various bedside procedures to fulfil the desired no. Of competencies and record the same in their log books.

List of competencies taught during 3rd Professional Part-1:

BED SIDE CLINICS FOR FINAL MBBS -PART I (2019 - 2020 ADMITTED BATCH)			
Duration 1 Week			Vertical Integration
Week I	10.5.14	Describe and discuss the pre-operative evaluation, assessing fitness for surgery and the modifications in medications in relation to anaesthesia / surgery,	
	10.5.14	Describe and discuss the roles of Anaesthesiologist as a peri-operative physician including pre-medication, endotracheal intubation, general anaesthesia and recovery	
	10.5.14	Describe and discuss the management of acute and chronic pain, including labour analgesia	
	10.5.14	Demonstrate awareness about the maintenance of airway in children and adults in various situations	
	10.5.14	Demonstrate the awareness about the indications, selection of cases and execution of cardio- pulmonary resuscitation in emergencies and in the intensive care and high dependency units	
	10.5.14	Choose cases for local / regional anaesthesia and demonstrate the ability to administer the same,	
	10.5.14	Discuss the implications and obtain informed consent for various procedures and to maintain the documents.	

Learner – Doctor Programme for CBME batch

Department of Dermatology, Venereology & Leprosy(DVL)

Students are posted in department of DVL for acquiring clinical skills during 2nd year, final year part 1 & final year part 2 for a period of 2 weeks each. They will be trained by the faculty to be able to identify and treat common skin disorders as follows

- Students will be taught Morphology of skin lesions including all the primary, secondary and special lesions to be able to define the various lesions and identify upon examining the patients.
- They will be trained to derive proper history based on the presenting skin complaints, morphology, pattern and distribution of lesions and to elicit any association with past/personal/family history.
- Complete systemic examination and local examination of skin, hair, nails, genitalia & oral cavity will be taught.
- Where required, students will be trained in various bedside investigations such as woods lamp, gram stain, AFB stain, KOH mount, Tzanck smear, grapple test etc to help in diagnosing the patient.
- Cases admitted will be followed by the students daily until discharge and they will be trained to assess the progression/regression of lesions, investigate accordingly and familiarize with various treatment protocols, their outcomes and associated adverse effects.
- Students will also be trained in communicating with the patients regarding prognosis, treatment and its outcome and provide health education to patient and his/her family.
- Students will be made familiar to the routine OPD services and procedures done such as Phototherapy, Radiofrequency, Cryotherapy, Laser and other cosmetology procedures.
- Ethical issues pertaining to certain STDs & stigma associated communicable (leprosy) and chronic skin diseases (psoriasis, vitiligo) will be emphasized.
- As per the curriculum students will be trained in various bedside procedures to fulfil the desired number of competencies and record the same in their log books.

**BED SIDE CLINICS FOR MBBS 2nd YEAR (2019 - 2020
ADMITTED BATCH) - Duration 2 weeks**

S.No.	Competency code	Topic
1.	DR 15.1	Identify and distinguish folliculitis, impetigo and carbuncle from otherskin lesions
2.	DR 15.2	Identify staphylococcus on a gram stain
3.	DR 7.2	Identify Candida species in fungal scrapings and KOH mount
4.	DR 5.2	Identify and differentiate scabies from other lesions in adults andchildren.
5.	DR 6.2	Identify and differentiate pediculosis from other skin lesions in adults and children
6.	DR 8.2	Identify and distinguish herpes simplex and herpes labialis fromother skin lesions
7.	DR 8.3	Identify and distinguish herpes zoster and varicella from other skin lesions
8.	DR 8.6	Enumerate the indications, describe the procedure and perform aTzanck smear
9.	DR 8.4	Identify and distinguish viral warts from other skin lesions
10.	DR 8.5	Identify and distinguish molluscum contagiosum from other skinlesions
11.	DR 1.2	Identify and grade the various common types of acne
12.	DR 12.2	Identify eczema and differentiate it from lichenification and changesof aging
13.	PE 31.4	Identify Atopic dermatitis and manage
14.		TEST

**BED SIDE CLINICS FOR MBBS FINAL YEAR -PART I
(2019 - 2020 ADMITTED BATCH) - Duration 2 weeks**

S.No.	Competency code	Topic
1.	DR 3.1	Identify and distinguish psoriatic lesions from other causes
2.	Dr 3.2	Demonstrate the grattage test
3.	DR 4.1	Identify and distinguish lichen planus lesions from other causes
4.	DR 2.1	Identify and differentiate vitiligo from other causes of hypopigmentedlesion
5.	DR 12.5	Define erythroderma. Enumerate and identify the causes oferythroderma. Discuss the treatment
6.	DR 12.6	Identify and distinguish exfoliative dermatitis from other skin lesions
7.	DR 13.1	Distinguish bulla from vesicles
8.	DR 13.2	Demonstrate the Tzanck test, nikolsky sign and bulla spread sign
9.	DR 13.3	Calculate the body surface area of involvement of vesiculobullouslesions

10.	DR 14.2	Identify and distinguish urticarial from other skin lesions
11.	DR 14.3	Demonstrate dermatographism
12.	DR 14.4	Identify and distinguish angioedema from other skin lesions
13.	DR 17.1	Enumerate and identify the cutaneous findings in vitamin A deficiency
14.		TEST

**BED SIDE CLINICS FOR MBBS FINAL YEAR PART II (2019
- 2020 ADMITTED BATCH) - Duration 2 weeks**

S.No.	Competency code	Topic
1.	DR 15.4	Enumerate the indications for surgical referral (Pyoderma)
2.	DR 9.2	Demonstrate (and classify based on) the clinical features of leprosy including an appropriate neurologic examination
3.	DR 9.3	Enumerate the indications and observe the performance of a slit skin smear in patients with leprosy
4.	DR 10.1	Identify and classify syphilis based on the presentation and clinical manifestations
5.	DR 10.2	Identify spirochete in a dark ground microscopy
6.	DR 10.5	Counsel in a non-judgemental and empathetic manner patients on prevention of sexually transmitted disease
7.	DR 10.7	Identify and differentiate based on the clinical features non-syphilitic sexually transmitted diseases (chancroid, donovanosis and LGV)
8.	DR 11.2	Identify and distinguish the dermatologic manifestations of HIV, its complications, opportunistic infections and adverse reactions
9.	DR 12.7	Identify and distinguish fixed drug eruptions and Steven Johnson's syndrome from other skin lesions
10.	DR 16.1	Identify and distinguish skin lesions of SLE
11.	DR 16.2	Identify and distinguish Raynaud's phenomenon
12.	PA 34.4	Identify, distinguish and describe common tumors of the skin
13.		TEST

2 Week Academic curriculum for UG's

Department of Emergency Medicine

Day	Description	T/L Method bedside	Integration with
Week-1			
Day 1	Introduction to Emergency medicine and rotation objectives	Bedside, case based learning	NIL
Day 2	Describe pathophysiology of shock, types of shock and principles of resuscitation including fluid replacement and monitoring, blood transfusion. Describe vasoactive drugs used in shock management	Bedside, small group discussion, case based learning	NIL
Day 3	Principles of trauma management-ATLS way	Bedside, case based learning, video demonstration	NIL
Day 4	Principles of oxygen therapy	Bedside oxygen delivery devices, case based learning	NIL
Day 5	Point of care, Ultrasound, in the Emergency department	Bedside skill demonstration	NIL
Day 6	Chest pain: differential diagnosis, acute coronary syndrome	Bedside, case based learning.	NIL
WEEK 2			
Day 1	Simulation-CPR, AED, Bag mask ventilation	Skill lab	Skill lab committee
Day 2	Simulation-Airway-OPA, NPA, Intubation, Supraglottic airway devices	Skill Lab	Skill lab committee
Day 3	Approach to unconscious patient, management of stroke,	Bedside case based learning	NIL
.Day 4	Toxicological emergencies-General approach, Decontamination methods	Bedside case based learning	NIL
Day 5	Medical Emergencies-Hyperglycemic emergencies , hypoglycemia	Bedside case based learning	NIL
Day 6	End posting	Formative Assessment	NIL