

Y5B1

Knowledge

- Diagnose patients with Cardiac and Respiratory problems.
- Diagnose patients with common oropharyngeal cancers; head and neck malignancies/ trauma and congenital deformities
- Suggest/ interpret appropriate investigations for those problems
- Rationalize treatment plan and if appropriate refer the patient for specialist opinion/management
- Discuss different presentations of acute and chronic abdomen
- Describe principles of surgical nutrition and those of laparoscopic/ roboticsurgery
- Diagnose and manage common pediatric hematological problems
- Diagnose common pediatric syndromes and newborn illnesses
- Recognize the clinical presentation of the most common pediatric cancers
- Investigate and manage pediatric endocrine cases.
- Plan management of cases of poisoning.
- Compare normal and abnormal development of female reproductive organs, pubertal changes & disorders of sexual differentiation.
- Summarize the use of imaging modalities (USG, MRI,CT scan) in fetalassessment and gynecological problems.
- Discuss the management of common early pregnancy disorders and majorobstetric hemorrhage.
- Appraise the impact of common medical conditions on maternal & fetal health.
- Categorize menstural disorders/abnormal uterine bleedingand outline management planspecific to the cause

Skill

- Take and write clinical history properly.
 - Conduct a routine detailed clinical examination properly.
 - Present the relevant history and findings of physical examination in logicalorder verbally as well as in written form.
 - Make an appropriate differential diagnosis list.
 - Formulate a list of relevant investigations.
- Outline the basic management plan.
- Discuss with patients/relatives about their disease and basic management plan.
- Identify routine medical emergencies and react accordingly.
- Perform / describe basic medical procedures
- Obtain and record a patient's history in a logical, organized, and thorough manner.
- Diagnose common surgical problems, suggest & interpret appropriate investigations, rationalize treatment plan and if appropriate, refer patient for specialist opinion/ management.
- Perform relevant procedures safely
- Demonstrate monitoring of a patient undergoing surgery under differenttypes of anesthesia
- Understand the principles of assessment and management of general andorthopaedic trauma
- Understand surgical ethics and its application pertaining to surgery.
- Convey relevant information and explanation accurately to patients, families, colleagues and other professionals
- Understands the principles, indications and preparation of patients fordifferent imaging studies.
- Perform Pediatric Examination on patients
- Interpret growth charts of patients.
- Discuss common Pediatric problems
- Demonstrate Pediatric routine and emergency procedure skills
- Perform risk assessment and demonstrate ability to triage women to differentpatterns of antenatal care.

	 Formulate differential /provisional diagnosis & suggest management plan forcommon obstetric & gynaecologic problems. Perform routine examination of antenatal and postnatal women. Perform essential obstetric & gynaecologic procedural skills on model. Demonstrate referral of the patient to appropriate specialty when required &work with multidisciplinary approach. Practice evidence based medicine & exhibit readiness to search for latestsolutions & guidelines.
Attitude	 Demonstrate the effective attitude towards the colleagues Demonstrate the right to consent and privacy of the patient. Analyze and address problems collaboratively. Show empathy and sympathy while examining the patient. Advice and consult appropriately with medical, nursing and other colleagues. Execute analytic, communicative and collaborative skills along with content knowledge Demonstrate a professional attitude, team building spirit and good communication skills. Display ethical &appropriate behavior while dealing with the pediatric patient

7. Course content

Medicine

Knowledge related Learning Outcomes:

At the end of this block, final year student will be able to:

- Diagnose patients with Cardiac and Respiratory problems.
- Suggest/ interpret appropriate investigations for those problems
- Rationalize treatment plan and if appropriate refer the patient for specialist opinion/management

Skill related Learning Outcomes:

Each student completing a medical ward rotation should be able:

- Take and write clinical history properly.
- Conduct a routine detailed clinical examination properly.
- Show empathy and sympathy while examining the patient.
- Demonstrate the right to consent and privacy of the patient.
- Present the relevant history and findings of physical examination in logical order verbally as well as in written form.
- Make an appropriate differential diagnosis list.
- Formulate a list of relevant investigations.
- Outline the basic management plan.
- Discuss with patients/relatives about their disease and basic management plan.
- Identify routine medical emergencies and react accordingly.
- Advice and consult appropriately with medical, nursing and other colleagues.
- Perform / describe basic medical procedures

S	5. #	Topic	Learning Objective	Educational Strategies		Importance (Must Know
						Should know Could know)
	1.	Pulmonary Embolism	• Elaborate, epidemiology and risk factors and preventive measures for pulmonary embolism	LGIS	All Faculty	Must Know

		 Recognize the clinical features and presenting symptoms of pulmonary embolism Evaluate various modalities of investigations for diagnosis and differential diagnosis Develop plan for pharmacologica l and surgical management of a 		All Faculty	
		patient with pulmonary embolism			
2.	Pulmonary Tuberculosis	 Review etiology, pathogenesis, risk factors and clinical features of TB Identify the components of a clinical evaluation of a patient with TB Advise lab investigations like Chest X-ray, Monteux test Prioritize the objectives of TB case management Outline control and prevention modalities List drug therapy and side effects of 	LGIS	All Faculty	Must Know

first and 2nd line anti tuberculoses drugs • List DOTS • Define diagnostic criteria of MDR TB • Devise treatment of multidrug resistant (MDR) and extensively drug-resistant tuberculosis (XDR TB) • Evaluate the prognosis of TB and treatment of opportunistic infections • List the aims of treatment of recommended doses of first-line anti-TB drugs for adults; • Develop treatment regimens for new and previously treated patients taking into consideration • Significance of standard regimens for defined patient groups, including • Special populations like pregnant women,	All Faculty	
children, and HIV		
infected patients.		
Manage drug		

		therapy and its			
		complications.			
		• Analyze the			
		etiology and			
		pathogenesis of			
		bronchiectasis			
		• Diagnose			
		bronchiectasis			
		based on clinical			
		features			
		radiological and			
		lab investigations			
		Generate			
		Differential			
		diagnosis of			
		bronchiectasis			
		 Develop plan for 			
		diagnosing and			
		managing a			
		patient of			
	D 1 0	bronchiectasis,		All Faculty	M4
3.	Bronchiectasis &	including drug	LGIS		Must
	Lung Abscess	therapy, surgical			Know
		intervention and			
		physiotherapy			
		• Assess prognosis			
		required measures			
		for prevention			
		• Provide			
		pathophysiologica			
		l basis of lung			
		abscess due to			
		various etiological			
		factors.			
		Diagnose lung			
		abscesss based on			
		clinical			
		presentation			
		• Generate			
		differential			
		diagnosis based on			

	clinical assessment of patient • Suggest appropriate lab investigations including chest X ray, sputum examination and hematological studies. • Devise plan for drug therapy, drainage and surgical intervention for		All Faculty	
4. Myocardial Infarction - Clinical Features & Management	intervention for management of lung abscess. Define Acute coronary syndrome (ACS) Angina Unstable angina pectoris (UA) Non-ST segment elevation myocardial infarction(NSTE MI) ST segment elevation myocardial infarction Provide pathophysiologica I basis of cardiac ischemia. Diagnose ACS and MI. List complications of MI	LGIS	All Faculty	Must Know

	1	,			
		 Analyze the pharmacological management in the treatment of ACS. Differentiate between male and female signs and symptoms of ACS. Examine ACS modifiable and non-modifiable risk factors. Discuss coronary revascularization procedures and nursing care. 			
5.	Myocardial Infarction - Complications	Enlist of complications MI Diagnosis of complications Immediate treatment of complications Prevention of complications	LGIS	All Faculty	Must Know
6.	Cardiomyopathies and Myocarditis	Identify signs/symptoms of Cardiomyopathies. • List its relevant investigations, treatment plan and its complications	LGIS	All Faculty	Must Know
7.	Congenital Heart Disease	Identify common etiologies and risk factors for cyanotic heart defects. • Diagnose cyanotic heart defects based on clinical	LGIS	All Faculty	Must Know

			<u> </u>	1
		manifestations		
		and appropriate		
		diagnostic		
		methods		
		• Explain the		
		pathophysiology,		
		manifestations,		
		diagnosis and		
		management of		
		acyanotic		
		congenital cardiac		
		anomalies.		
		• Elaborate the		
		pathophysiology,		
		manifestations,		
		diagnosis and		
		management of		
		obstructive		
		congenital		
		anomalies.		
		Explain the		
		pathophysiology,		
		manifestations,		
		diagnosis and		
		_		
		management of		
		cyanotic heart disease.		
		• Identify the		
		implications of		
		cardiac		
		anomalies for		
		respiratory care.		
		• Diagnose		
		Pneumonia on		
		the basis of its		
		clinical features	All Faculty	
8.	Bronchial	and presentation	acuity	Must
	Pneumonia	relating to its		Know
		etiology and		
		pathophysiology		
		 Advise relevant 		
		investigations		

		·		
		 Devise management plan Propose plan for prevention and follow up 		
9.	Hypertension	Define diagnostic criteria for hypertension. Provide pathophysiologica I basis of hypertension. Propose Life style modifications and non-pharmacological options for patients with hypertension. Diagnose primary hypertension from secondary hypertension Rationalize the need for achieving recommended BP goals in treatment of hypertension. Classify antihypertensive drugs Choose appropriate antihypertensive drug cosiderign their indications for use. Recognize types of hypertensive urgency and emergency.	All Faculty	Must Know

10	Syndrome	 Acute coronary syndrome (ACS) Angina Unstable angina pectoris (UA) Non-ST segment elevation myocardial infarction(NSTE MI) ST segment elevation myocardial infarction Provide pathophysiologica I basis of cardiac ischemia. Diagnose ACS and MI. List complications of MI Analyze the pharmacological management in the treatment of ACS. Differentiate between male and female signs and symptoms of ACS. Examine ACS modifiable and non-modifiable risk factors. Discuss coronary revascularization procedures and nursing care 	All Faculty	Must Know
11	CCF + Infective	Define Heart failure		Must

Endocarditis	• Provide			Know
Endocarditis	 Provide pathophysiologica I basis of Heart failure. Diagnose Heart failure. List complications of Heart failure Analyze the pharmacological management in the treatment of Heart failure Identify signs/symptoms of infective endocarditis. Differentiate between types of IE in relation to its pathophysiology Diagnose suspected and confirmed IE on the basis of criteria used Manage infective endocarditis List its 		All Faculty	Know
	complications			
	Psychiatr	y		
12 Depression	 To be able to define depression keeping in view of ICD 10 criteria for depressive illness. To be able to described etiology, 	LGIS	All Faculty	Must Know

T T	
	psychopathology,
	epidemiology,
	differential
	diagnosis and
	prognosis of
	depressive illness.
	Manage
	depression on the
	basis of
	biopsychosocial
	model.
	Identify the role
	of
	psychoeducation
	in management of
	depression.
	Recognise when
	to initiate
	antidepressant
	medication, how
	to monitor people
	on antidepressant
	medication and
	when to terminate
	antidepressant
	medication.
	Know basic
	knowledge about
	antidepressant
	classification as
	well as their
	dosing, common
	side effects and
	serious side
	effects.

13	Bipolar Affective disorder	 To be able to define bipolar keeping in view ICD 10 criteria for bipolar affective disorder To be able to described etiology, psychopathology, epidemiology, differential diagnosis and prognosis. Manage bipolar affective disorder on the basis of biopsychosocial model. Identify the importance of reactivating social network, rehabilitation and regular follow up. Know how to treat acute mania. Understand the maintenance treatment of bipolar disorder. 	LGIS	All Faculty	Must Know
		Dermatolo	gy		
14	An introduction to dermatology	Apply concepts of anatomy and physiology of skin to clinical dermatology • give pathologic basis of skin lesions	LGIS		Must Know

		 Identify different types of skin lesions characteristic differentiating features of various skin lesions 			
15	Common bacterial skin infections	 Common infections How to diagnose them clinically Investigations available Treatment plan Prevention of disease 	LGIS	All Faculty	Must Know

Learning Resources: Reference Books

- a) Davidson's Principles and Practice of Medicine
- b) Kumar & Clarks Clinical Medicine
- c) Harrison's Principles of Internal Medicine
- d) Current Medical Diagnosis And Treatment (CMDT)

1. Online resources

www.medscape.com

Assessment formats:

Assessment Strategies (Formative)	Assessment Strategies (Summative)
MCQs / SEQs	MCQs / SEQs

Surgery

Knowledge related Learning Outcomes:

At the end of this block, final year student will be able to:

- Diagnose patients with common oropharyngeal cancers; head and neck malignancies/ trauma and congenital deformities
- Discuss different presentations of acute and chronic abdomen
- Suggest/ interpret appropriate investigations for those problems
- Rationalize treatment plan and if appropriate refer the patient for specialist opinion/management
- Describe principles of surgical nutrition and those of laparoscopic/ robotic surgery

Skill related Learning Outcomes:

At the end of their clinical rotation in the department of surgery, students should be able to

- Obtain and record a patient's history in a logical, organized, and thorough manner.
- Diagnose common surgical problems, suggest & interpret appropriate investigations, rationalize treatment plan and if appropriate, refer patient for specialist opinion/ management.
- Perform relevant procedures safely
- Demonstrate monitoring of a patient undergoing surgery under different types of anesthesia
- Understand the principles of assessment and management of general and orthopaedic trauma
- Understand surgical ethics and its application pertaining to surgery.
- Convey relevant information and explanation accurately to patients, families, colleagues and other professionals
- Understands the principles, indications and preparation of patients for different imaging studies

S No	Topic	Learning Objectives	Educational Strategies	Instructor	Importance (Must know
					Should know Could know)
1	Oro- pharyngeal cancers / Carcinoma Tongue	 List the principles of diagnosis and management of ulcers of mouth on the basis of its pathophysiology. Describe various malignant condition of oropharynx Describe investigations and management plan for carcinoma tongue 	LGIS	All Faculty	Must Know
2	Management of Head & Neck malignancies / Neck dissections	 Devise a systematic approach for evaluation of patient of head/neck malignancy presenting with a neck mass Develop an appropriate plan for treatment Know different types of Neck dissections 	LGIS		Should know
3	Facio-cervical trauma	 Differentiate and classify various types of neck & facial injuries Describe the management of different types of facial and neck injuries 	LGIS		Should know
4	Salivary Gland	Recognize clinical	LGIS		Must know

	Disorders-I: Salivary gland swellings including malignancies	features of enlargement different salivary glands. Differentiate between benign and malignant neoplasms of the salivary glands. Suggest relevant investigations in the diagnosis of salivary gland tumors. Suggest treatment procedures for salivary glands tumors		
5	Salivary Gland Disorders-II: Other disorders	 Recognize features of infections /obstructive disorders of salivary glands. Differentiate between infection and obstructive pathologies of the salivary glands. Suggest relevant investigations. Describe management plan for such disorders 	LGIS	Must know
6	Paeds Surg-I: Basic concepts of Paeds surgery /Congenital anomalies of Lips/ Palate	 Know the concepts of Fluid & electrolytes and acid-base balance in infants and children Describe the principles of 	LGIS	Should know

		thermoregulation and pain control in infants/ children • Relate embryological developments of face, lips and palate to congenital anomalies. • know treatment options and complications of Cleft lip/cleft Palate			
7	Acute AbdomenI: in general	 Describe symptoms, signs and differential diagnosis for patients with acute abdomen Discuss investigations & management of patients with acute abdominal pain Describe the preand post-operative management of an acutely unwell patient who requires surgery 	LGIS	All Faculty	Must know
8	Acute Abdomen-II: Ac Peritonitis / Intra- abdominal abscesses	 Demonstrate the signs of acute peritonitis Choose appropriate imaging investigation in acute peritonitis/intra-abdominal abscess Devise 	LGIS	All Faculty	Must know

		management plan			
9	Acute Abdomen-III: Ac Intestinal Obstruction-	 Generate differential diagnosis for different types of intestinal obstruction Summarize complications of acute intestinal obstruction Assess the indications for surgery and other treatment options 	LGIS	All Faculty	Must know
10	Chronic abdomen/Mass abdomen	 Outline relevant investigations for different abdominal swellings Generate differential diagnosis of intraabdominal masses presenting in different region of abdomen Evaluate the role of surgery in patients with mass abdomen 	LGIS	All Faculty	Must know
11	Abdominal Tuberculosis	 Explain pathophysiology of abdominal TB Diagnose TB and formulate a D/D on clinical features/ investigations Know role of Anti- tuberculous therapy Justify use of appropriate surgical procedure in 	LGIS	All Faculty	Must know

		management of this disease			
12	Spleen	 Interpret the etiological and diagnostic features splenomegaly Evaluate the indications of Splenectomy Describe complications of splenectomy 	LGIS	All Faculty	Must know
13	Principles of Laparoscopic/ Robotic surg	 List the general principles of laparoscopic surgery and its complications List the basic principles, applications and complications of robotic surgery 	LGIS	All Faculty	Should know
14	Principles of surgical nutrition	 Identify malnutrition in surgical patients List methods of assessment of Malnutrition in surgical patients Describe different methods of replenishment of nutrition in such patients Describe complications of different methods of replenishment of nutrition 	LGIS	All Faculty	Must know
15	Disaster/ Warfare	Describe mechanisms of	LGIS		Must know

	injuries	disaster/ warfare			
	· ·	injuries			
		 State principles of 			
		surgical			
		management in			
		mass casualties/			
		multi-injured			
		patients			
		 Assess priorities as 			
		per the principles of			
		Triage/ATLS			
		during all phases of			
		management of			
		such patients			
		 Identify role of 		All Faculty	
		investigations and		An Faculty	
		treatment			
		dependent on			
		hemodynamic			
		status of patients			
		• Elaborate			
		importance of a			
		continuum care of			
		injured patients by			
		a multi-disciplinary			
		team.			
		• Understand the			
		principles of			
		damage control			
		resuscitation and			
		that of damage			
16	Dagional	control surgery	LGIS		Must know
10	Regional Anaesthesia/	• Explain pre- anesthesia work-up	LOID		MINST KIIOM
	Nerve Block	required for			
	TICITE DIOCK	different regional		All Faculty	
		anesthesia		An Faculty	
		techniques/ nerve			
		blocks			
		Choose appropriate			
		type of anesthesia			
		type of anestresia			

for various surgical		
procedures and list		
complications of		
regional anesthesia/		
Nerve blocks		

Learning Resources:

1. Text Books:

- a. Bailey & Love's Short Practice of Surgery
- b. Apley's Concise System of orthopedics & Fractures

2. Reference Books:

- a. Fischer's Mastery of Surgery
- b. Schwartz's Principles of Surgery

3. Online resources:

- b. American College of Surgeons Clinical practice guidelines
- c. Clinical Issues and Guidance-American College of Surgeons

Assessment formats:

Assessment Strategies (Formative)	Assessment Strategies (Summative)
Assignments; Posters/ Projects; Mini- CEX; DOPS	MCQs; SEQs; TOACS: long case discussion; Short case discussion

Pediatrics

Knowledge related Learning Outcomes:

The students should be able to:

- Diagnose and manage common pediatric hematological problems
- Recognize the clinical presentation of the most common pediatric cancers
- Investigate and manage pediatric endocrine cases.
- Plan management of cases of poisoning.
- Diagnose common pediatric syndromes and newborn illnesses.

Skill related Learning Outcomes:

By the end of clinical rotation student shall be able to:

- Take, write & present detailed pediatric history of patients reporting to pediatric department
- Perform Pediatric Examination on patients
- Interpret growth charts of patients.
- Discuss common Pediatric problems
- Demonstrate Pediatric routine and emergency procedure skills
- Communicate effectively with colleagues, patients& their relatives.
- Display ethical & appropriate behavior while dealing with the pediatric patient

S. #	Topic	At the end of the session Students will be able to:	Educational Strategies	Instructor	Importance (Must Know Should Know Could Know)
1.	Thrombocyt	 A. HAEMA Clinically differentiate between petechiae, bruises and purpura. Enumerate diseases causing thrombocytopenia. List investigations and outline management plan of patient with 	LGIS	All Faculty	Must know

		thrombocytopenia.			
2.	Coagulation & bleeding disorders	 Discuss basics of bleeding and coagulation pathways Describe types of bleeding and coagulation disorders Differentiate between clinical presentation of different bleeding disorders Interpret investigations relevant to bleeding and coagulation disorders Evaluate patient presented with suspected bleeding or coagulation disorder 	LGIS	All Faculty	Must know
3.	Non- Hemolytic anemias	 Explain classification and causes of anaemias. Generate differential diagnosis based on interpretation of investigations Discuss management of anaemias with special reference to nutritional rehabilitation 	LGIS	All Faculty	Must know
4.	Hemolytic Anemias	List Differential Diagnosis of hemolyticanemias in a child	LGIS		Must know

		• List investigations and outline management plan of			
		common hemolytic			
		disorders B. ONCO	LOGY		
5.	Leukemias/	• Describe the	LGIS		Should
	Lymphomas	 Describe the epidemiology of childhood malignancies Identify different types of malignancies in children Recognize the clinical presentation of the most common paediatric cancers Interpret laboratory findings indicative of a possible cancer diagnosis Determine the approaches to cancer treatment 		All Faculty	know
6.	Non- Hematologic	 Identify different types of non- heamstological 	LGIS		Could know
	malignancie s	haematological malignancies in children			
		 Recognize the clinical presentation of the most common paediatric cancers List investigations of a possible cancer diagnosis Determine the approaches to cancer treatment 	NOI OCW	All Faculty	
		C. ENDOCRI	NOLOGY		

7.	Stature problems	 List differential diagnosis of short & tall stature. Plan investigations of abnormal stature. Outline management plan of a child with abnormal stature 	LGIS	All Faculty	Must know
8.	Child with polyuria / Polydipsia	 List differential diagnosis of polyuria/polydipsia Plan investigations of polyuria/ polydipsia. Outline management plan of a child with polyuria/polydipsia Discuss complications of Diabetes mellitus. Discuss dietary plan and prognosis of a child with diabetes mellitus 	LGIS	All Faculty	Must know
9.	Ambiguous genitalia	 Recall basic pathway of cholesterol mechanism Describes how different enzyme deficiencies affect the pathway Differentiate between the presentation of Congenital Adrenal hyperplasia in male and female neonate Investigate a child with ambiguous genitalia 	LGIS	All Faculty	Could know

		• Enumerate and			
		justify generic management steps			
		for a newly			
		diagnosed patient			
		with ambiguous			
		genitalia			
10.	Goiter	 List differential 	LGIS		Must Know
		diagnosis of goitre in children.			
		 Plan investigations 			
		of goitre.		All Faculty	
		 Outline management 			
		plan of a child with			
		goitre.			
		 List complications 			
		of			
		hypo/hyperthyroid			
11	Doigoning	D. Mi	sc LGIS		Should
11.	Poisoning	 Differentiate the different types of 	LGIS		know
		poisoning and their			KIIOW
		signs and symptoms			
		 Define the goals of 			
		treatment		All Faculty	
		 Appraise the 			
		pharmacological			
		basis for enhancing			
		elimination of drugs			
		and use of specific			
12.	Canatia	antidotes	LCIC		M
12.	Genetics /Dysmorpho	• Identify common	LGIS		Must know
	logy	syndromes.Plan investigations			
	- 30 <i>]</i>	of Down syndrome.		All Faculty	
		 Identify pedigree 			
		and give examples			
1			i e	1	ı
		 List complications 			

Learning Resources:

- 1. Reference Books
 - Basis of Pediatrics by Parvez Akbar Khan

2. Online resources

• https://new.edmodo.com/groups/2021-36818022

3. Library resources

- Textbook of Pediatrics by PPA
- Current Pediatric Diagnosis & Treatment
- Harriet & Lane Handbook of Pediatrics
- Pediatrics illustrated text book by Tom Lissauer

Assessment Formats:

Assessment Strategies (Formative)	Assessment Strategies (Summative)
MCQ, SEQ, Mini CEX	MCQ, SEQ, OSCE, Long case, short
	case

Gynecology

Knowledge related Learning Outcomes:

- Compare normal and abnormal development of female reproductive organs, pubertal changes & disorders of sexual differentiation.
- Summarize the use of imaging modalities (USG, MRI,CT scan) in fetal assessment and gynecological problems.
- Discuss the management of common early pregnancy disorders and major obstetric hemorrhage.
- Appraise the impact of common medical conditions on maternal & fetal health.
- Categorize menstrual disorders /abnormal uterine bleeding and outline management plan specific to the cause.

Skill related Learning Outcomes:

By the end of the clinical rotation in Obstetrics & Gynaecology, a final year student should be able to:

- Perform risk assessment and demonstrate ability to triage women to different patterns of antenatal care.
- Formulate differential /provisional diagnosis & suggest management plan for common obstetric & gynaecologic problems.
- Perform routine examination of antenatal and postnatal women.
- Perform essential obstetric & gynaecologic procedural skills on model.
- Demonstrate referral of the patient to appropriate specialty when required & work with multidisciplinary approach.
- Practice evidence based medicine & exhibit readiness to search for latest solutions & guidelines.
- Demonstrate effective communication skills, professional conduct and respect for women autonomy.
- Demonstrate ethical, social & diverse perspectives to provide culturally competent health care.

S.#	Topic	Learning Objective	Educational Strategies	Instructor	Importance (Must Know Should Know Could Know)
1	Assessmen t of antenatal fetal wellbeing (role of USG in	• Recognize the principles ,safety and benefits of examining the fetus during gestation	LGIS	All Faculty	Must know
	obstetrics)	 Appraise the use of USG in pregnancy to confirm gestational age ,to detect fetal structural anomalies and to monitor fetal growth Explain the value of cardiotocograph y (CTG) & doppler ultrasound in assessment of fetal well being 		All Faculty	Should know
2.	Nutritional Anaemias (Iron,folic acid & vitamin B12 deficiency)	 Describe the effects of anaemia on the mother & the fetus Propose a treatment plan of antenatal women with anaemia on the basis of relevant 	LGIS	All Faculty	Must know

			investigations			
	Haemoglo	•	Differentiate	LGIS		Must Know
3.	binopathies (Thalassem ia, sickle cell disease)		nutritional anaemias from the haemoglobinop athies on the basis of investigations		All Faculty	
		•	Discuss management of antenatal women with haemoglobinop athies			Should know
4.	Spontaneo us & recurrent miscarriag es	•	Recognize the social and emotional context of early pregnancy loss. Classify various types of miscarriages on the basis of clinical presentations & USG findings. Critically appraise the treatment available for different types of miscarriages Formulate a list of investigations for recurrent pregnancy loss	LGIS	All Faculty	Should know

		on the basis of possible causes	
5.	Thyroid Disease, SLE/APS in pregnancy	 Compare and contrast effects of hypo and hyperthyroidis m on mother and fetus in pregnancy Interpret TFTs in normal & pregnancywith thyroid disease Appraise the effect of autoimmune disease on the mother and fetus in pregnancy and outline the management plan 	Should know
6	Antepartu m haemorrha ge (placenta previa/accr eta)	 Demonstrate different degrees of low lying placenta by diagrams Recognize the clinical presentation specific to placenta previa in an antenatal woman with APH Discuss the investigations & management of placenta previa/accreta 	Must know

7.	Antepartu m haemorrha ge(placenta l abruption)	•	Summarize the complications specific to placenta previa Recognize the clinical presentation specific to placental abruption in an antenatal woman with APH Discuss the investigations & management of placental abruption. Summarize the complications specific to placental	LGIS	All Faculty	Must know
8.	Thromboc ytopenia /DIC in pregnancy	•	abruption Enumerate the causes and management of thrombocytope nia in pregnancy Discuss the conditions which can cause DIC in pregnancy Construct a management plan for antenatal women with DIC	LGIS	All Faculty	Must know

9.	Post partum haemorrha ge(PPH)	 Explain the general principles of management of obstetric shock Identify the risk factors for PPH in an antenatal women Enlist the common causes of PPH Formulate a stepwise plan for the management of PPH Summarize the complications of PPH 		All Faculty	Must know
10	Diabetes in pregnancy	 Evaluate the screening tests for diabetes in pregnancy Compare and contrast the effects on mother & fetus of known diabetes and gestatational diabetes (GDM) Summarize the principles of management of diabetes /GDM in pregnancy 	LGIS	All Faculty	Should know

11	Thromboe mbolism in pregnancy	•	Identify the risk factors for thromboemboli sm in pregnancy Appraise the principles of diagnosis and management of DVT and pulmonary embolism in pregnancy	LGIS	All Faculty	Should know
12	Common congenital malformati ons (Anenceph aly,spinabi fida,hydroc ephalus,sac rococcyeal teratoma,o mphalocele & gastroschis is.)	•	Discuss the etiology,diagno sis and management of common congenital malformations in fetus	LGIS	All Faculty	Should know
13	Caesarean section	•	Enlist the indications of caesarean section Describe the preoperative preparation ,types of abdominal /uterine incisions & procedure of caesarean section Summarize the	LGIS	All Faculty	Should know

14	Acute abdominop elvic pain in early pregnancy(differential diagnosis), discuss ectopic pregnancy,	intraoperative and postoperative complications of caesarean section • Discuss the causes of acute abdominopelvi c pain in early pregnancy • Compare and contrast the signs and symptoms & LISG findings		All Faculty	Must
	ovarian cyst with pregnancy.	USG findings of ectopic pregnancy, ovarian cyst accident & fist trimester miscarriage • Appraise the	LGIS		Should
		medical and surgical methods of treatment of ectopic pregnancy • Construct a flow diagram of management of ovarian cyst presenting with acute pelvic pain		All Faculty	know
15	Gestational trophoblast ic disease (benign & malignant)	 Differentiate between complete and partial mole Appraise the 	LGIS	All Faculty	Should know

		principles of management of benign & malignant trophoblastic disease • Discuss the follow up for gestational trophoblastic disease(benign)			
16	Anatomy of female genital tract	 Describe the anatomy of perineum, vagina, uterus, adnexa ,ureters & bladder Aware of vulnerability of certain structures in gynaecological surgery Explain the blood supply, lymphatics and innervation of the perineum and pelvis. 	LGIS	All Faculty	Must know
17	Developme nt nt of female genital tract(norm al & abnormal)	 Review the embryonic development of female genital tract Recognize that embryonic development and sexual differentiation begins in early embryonic life 	LGIS	All Faculty	Should know

18	Ovarian and menstrual cycle(HPO axis))&	•	Describe the structural anomalies resulting from the Mullerian tract disorders. Describe the HPO hormonal control of the normal menstrual	LGIS	All Faculty	Must know
	premenstru al syndrome(PMS)	•	cycle Draw a graph of the changes in serum levels of estrogen ,progesterone ,LH & FSH during menstrual cycle Discuss the ovarian & endometrial changes that accompany the hormonal		All Faculty	Must know
		•	changes Explain the common effects and management of premenstrual syndrome		All Faculty	Should know
19	Disorders of puberty and sexual developme nt	•	Appraise the changes & their sequence of appearance at puberty Describe causes and	LGIS		Should know

				T		
		•	management of disorders of puberty like premature and delayed puberty. Discuss the causes, clinical presentation and management of disorders of sexual differentiation(DSD)		All Faculty	
20	Role of USG/imagi ng in gynaecolog y	•	Critically appraise the value of USG,MRI and CT scan in gynaecological imaging Suggest appropriate imaging modality for specific gynaecological problems	LGIS	All Faculty	Should know
21	Disorders of menstrual regularity	•	Differentiate primary from secondary amenorrhea	LGIS	All Faculty	Must know
	& polycystic ovary syndrome	•	Explain the causes of primary and secondary amenorrhea Summarize relevant and appropriate		All Faculty	Should know

			improations			
			investigations			
			to reach a			
			diagnosis			
		•	Appraise the			
			principles of			
			management			
			regarding the			
			various causes			
			of amenorrhea			
		•	Explain the			Must know
			causes of			
			premature			
			cessation of			
			periods		All Faculty	
		•	Discuss the		,	
			epidemiology			
			& effects of			
			PCOs ,its			
			diagnosis &			
			management			
22	Disorders	•	Describe the	LGIS		• Must know
	of		various	Lois		- Wast Kilow
	menstrual		terminologies			
	bleeding &		of abnormal			
	Dysmenorr		uterine			
	hea		bleeding			
	nea	•	List the causes			
			of heavy and			
			irregular			
			uterine		All Faculty	
			bleeding			
		•	Discuss the			
			investigations			
			and			
			management of			
			heavy			
			menstrual			
			bleeding			G1 11
		•	Describe the			Should
			causes & investigations			know

management & action of medication used in dysmenorrhea	
23 Primary and secondary subfertility • Differentiate between primary and secondary subfertility • Discuss the common causes of subfertility • Identify women at risk of tubal damage • Appraise the general principles of treatment of subfertile couple	Should know Must know Should know Could know

Assessment formats

Assessment Strategies (Formative)	Assessment Strategies (Summative)
Mini-CEX	MCQs
DOPS (during the clinical	SAQ/SEQ
rotations)	(after completion of block 1)
	OSCE
	Long case obstetrics
	Long case Gynaecology (after each clinical
	rotation)