

RIHS MEDICAL & DENTAL COLLEGE INTEGRATED CURRICULUM



REPRODUCTION MODULE
MODULE 20204
Session 2022-23
SECOND YEAR MBBS
STUDY GUID
PLANNED AND DESIGNED BY:
PROF. SABIHA M HAQ

RIHS Medical & Dental College, 2023 yearly grid

				Secon	ond year I	d year MBBS Batch 2022-23	ch 2022-2	3			
	Block IV			Block V		Holidays &		Block VI		Resit & University	niversity
	12 weeks		13 weeks	13 weeks including Eidul	Eidul Fitr	Eidul Adha		12 weeks		Assess	Assessments
				Holidays							
th Jan. to	9th Jan. to 20th Feb. 27th	27 th	3rd April to 15th	15^{th}	23rd June to	28th June to	31st July to	18ւր	16th October	23rd October	December
19th Feb	to 26 th	March to	14 th	May to	27th June	$30^{\rm th}$ July	17 th	September	to 22 nd	to 19 th	2023
	March	2 nd April	May	22 nd		EidulAdha	September	to 15 th	October	November	
		1	Eidul Fitr	June		28 June-2 nd	ı	October			
			21-25 April			July					
GIT &	Renal	Block I	Endocrine	Repro-	Block II	Summer	Neuro-	Special	Block III	Resits and	Written &
Nutrition	Module	Revision	& Maxillo	duction	Revision &	break	sciences	senses	Revision &	Pre-	Practical
Module	20102	& Assess-	facial	Module	Assessment		Module	Module	Assessment	Assessment	Assessments
20101		ment	Module	20204			20305	20306		leave	
			20203								
06 weeks	90	01week	05+1 weeks	90	01 week	04 weeks	07 weeks	04 weeks	01 week	04 weeks	03 weeks
	weeks			weeks							

*Each Module consists of integrated teaching of normal structure and function of the human body and their clinical context. In order to help the students, acquire knowledge, skills and professional behavior, special focus is placed on involving multiple teaching and learning strategies and Assessment modalities.

**Islamic studies is taught as one LGIS per week throughout all Modules

***Communication skills, Medical Ethics, Professionalism & Behavioral Sciences are taught in the relevant modules as parallel subjects

****There is continuous Formative & Summative Assessment throughout the Modules by relevant disciplines, in addition to end Block Assessment

RIHS MEDICAL & DENTAL COLLEGE

PROF. DR. SHAKAIB ANWAR

PRINCIPAL

Module 20102: REPRODUCTION MODULE Session 2022-23

Placement in curriculum: Module code: 20204 (Year 2, block- 02, module 04) Prerequisite: First & second block modules

Teaching faculty & Curriculum committee members

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	Disciplines	Name of Faculty
1.	Principal & HOD Surgery	Prof. Dr. Shakaib Anwar
2.	Anatomy	Prof. Dr. Sabiha M. Haq
3.	Physiology	Prof. Dr. Jan Alam
4.	Biochemistry	Prof. Dr. Rehan Khwaja
5.	Pathology	Prof. Dr. Bushra
6.	Pharmacology	Prof. Dr. Azam Zia
7.	Community Medicine	Prof. Dr. Mirza Inamul Haq
8.	Behavioural Sciences	Dr. Sabika Husain
9.	Medicine	Ms. Nargis Munir
10.	Surgery	Prof. Dr. Nadia Shams
Module	duration	06 weeks
Module	planner	Prof. Dr. Sabiha M Haq
Module	co-planner	Prof. Dr. Mirza Inamul Haq
8. 9. 10. Module Module	Behavioural Sciences Medicine Surgery duration planner	Dr. Sabika Husain Ms. Nargis Munir Prof. Dr. Nadia Shams 06 weeks Prof. Dr. Sabiha M Haq

Module Coordinator	Dr. Maria Irum
Integrated Curriculum	The Integrated Curriculum is becoming an increasingly popular concept internationally in the field of Medicine. The goal of integration is to break down barriers between the basic and clinical sciences, currently in practice as a result of traditional curricular models. Integration should promote retention of knowledge and acquisition of Skills through repetitive and progressive development of concepts and their applications. There are three areas in need of improvement and clarification for successful integration: 1. Ensuring synchronous presentation of teaching material 2. Avoiding the tendency to diminish the importance of the basic sciences, and 3. Using unified definitions (MEDICAL TEACHER) The model adapted in this institution is an Integrated, modular, system based, spiral curriculum. Arrangement of spirals: Two years + one year + two years
Students as a curriculum Coordinator and class representative	Student involvement in an integrated curriculum is the key to the process of making him a self-directed, competent and ethical learner who can adjust and compete with the latest trends in medical education in today's and tomorrow's world. In order to achieve this: 1. Students will help the Module coordinators in accomplishing all tasks assigned to him/her. 2. They will be a part of curriculum planning and implementing team. 3. They will inform/discuss the ongoing activities /problems in teaching and learning with module coordinators and curriculum chairperson.

Reproductive system plays an important role in person life although it does not contribute to homeostasis and is not essential for survival of individual for example, the manner in which people relate as sexual beings contributes in significant ways to psychosocial behaviour and has an important influence on how people view themselves and how they interact with others. Reproductive function also has a profound effect on society. The universal organization of societies into family units provides a stable environment that is conducive for perpetuating our species. On the other hand, the population explosion and its resultant drain on dwindling resources have recently let to Module Rationale worldwide concern with the means by which reproduction can be limited. Reproductive capabilities depend on intricate relationship among the hypothalamus, anterior pituitary, reproductive organs and target cells of sex hormones. In addition to these basic biologic processes, sexual behaviour and attitudes are deeply influenced by emotional factors and sociocultural mores of the society in which individual lives. This module is expected to build students basic knowledge about normal structure, organization, functions and development of reproductive system. This knowledge will serve as a fabric on which the students will weave further knowledge about the aetiology, pathology and pathogenesis of diseases of reproductive system and principles of their management At the end of the module the student should be able to: KNOWLEDGE: 1. Identify & interpret the obstetrics and gynaecology terms & use them appropriately Module Outcomes 2. Describe the topography of the different parts of pelvis and perineum. 3. Describe the physiology of female and male reproductive system.

- 4. Describe the pharmocokinetics and pharmocodynamics of various hormones of the female and male reproductive system along with their synthetic analogues. female and male reproductive system
- 5. Describe the role of drugs used in puberty, pregnancy and for contraception.
- 6. Emphasize on the importance of antenatal care.
- 7. Describe the indicators and the measures to control maternal mortality.
- 8. Describe health aspects & scope of family planning.
- 9. Describe the anatomy and physiology of breast during puberty, pregnancy and lactation and pathology of breast abscess

SKILL:

- 1. Demonstrate effective Skills of obstetrical/gynaecological history taking.
- 2. Perform obstetrical examination on subject/ simulators.
- 3. Preform urine pregnancy test.
- 4. Perform Breast examination on subject/ simulators ATTITUTE:
- 1. Demonstrate effective communication Skill strategies while taking history and examining the patients/simulators with reproductive health problems.
- 2. Display the personal attributes of compassion, honesty and integrity in relationships with patients, families, communities and the medical profession.

 Demonstrate a professional attitude, team building spirit and good communication Skills through effective participation in cooperative problem solving, especially in small group exercises.

Teaching and Learning methodology

Large Group Interactive Sessions (LGIS): The goal of interactive lecture is to engage the students' attention, through ways to interact with the content, the instructor, and their classmates. Accordingly, interactive lectures include segments of knowledge transfer, combined with segments where students interact. One of the things that makes the lecture interactive is the ability of the instructor to select the content of the lecture segments based on the students' needs. This demands a prior search for the baseline knowledge of the students at the start of the lecture. If students have difficulty answering a question, or an

activity fails to develop the concept in most student groups it's time to find a new and better way to deal with the material. LGIS clearly gives a better concept of the content and keeps students' attention captured throughout, as compared to yester years' didactic lectures. Small Group Discussion (SGD): 'The purpose and technique of small group teaching is to keep it learnercentered, with all students joining in free discussion on a particular topic. A typical 'small group' is around eight to 12 learners facilitated by a teacher. The steps of SGD are Forming, Storming, Norming & Performing. The teacher acts only as a facilitator. Students are allowed to use their books or other search material during the discussion. SGD is a good method to clear the concepts and develop communication and conflict solving Skills in the students. Departmental lab. Teaching: This is a teaching & learning methodology where students learn handling of laboratory equipment, machines, their practical uses and safety rules. Skill lab. Teaching: This is performance -based teaching & learning methodology where students learn to physically examine the patients and get hands on training on various clinical Skills. Dissection and demonstration: Teaching of gross Anatomy is aided by cadaver dissection and demonstration on plastic models. Presentations: Assignments and Both these methodologies are meant to make the students self-directed learners and good communicators by seeking knowledge from multiple sources and presenting it in front of facilitators and peers. **Multiple Choice Questions (MCQs): Structured Viva:** Assessment methodology **Objective Structured Practical/Clinical Examination** (OSPE /OSCE):

NO.	Content	Discipline	Learning objectives: At the end of the module should be able to:	Teaching strategy	Assessment methodology
1,	Pelvis I	Anatomy	 Identify the gross features of bony pelvis Describe the sexual dimorphism seen in the pelvis 	1 SGD	OSPE/VIVA
2.	Pelvis II	Anatomy	Identify Pelvic DiaphragmIdentify the structures in the Perineum	1 SGD	OSPE/VIVA
3.	Female reproductive tract -1	Anatomy	• Identify the location, support, structure and function of the ovaries.	1 SGD	OSPE/VIVA
4.	Introduction to reproductive system	Physiology	Describe the components and importance of reproductive system	1 LGIS	MCQs
5.	Female reproductive tract -2	Anatomy	 Identify the location, structure and function of the oviducts, uterus and vagina relate structure to function Describe the female external genitalia 	1 SGD	OSPE/VIVA
6.	Nitrogen metabolism	Biochemistry	 Describe the Amino acid pool Protein turnover Rate of protein turn over Protein degradation 	1 LGIS	MCQs
7.	PBL Ovarian cy	st			
8.	Gonadotropic hormones and Posterior pituitary hormone	Physiology	 Enlist the gonadotropic hormones Discuss their biochemical role Discuss the formation, transport, storage release and actions of oxytocin 	1 LGIS	MCQs
9.	Female reproductive tract	Anatomy	Describe the histological structure of:	2 LGIS	MCQs

	Histology		OvaryUterine tubeUterus		
10.	Transport of amino acids	Biochemistry	Describe the transport of amino acids into the cell.	1 LGIS	MCQs
11.	Histology of female reproductive tract	Anatomy	 Identify the slides under the microscope and enumerate the characteristics of each: Ovary Uterine tube Uterus 	1 LGIS	OSPE/VIVA
12.	Gonadotropic hormones and Posterior pituitary hormone	Physiology	 Discuss Human Chorionic Gonadotropin) Discuss MOA, adverse effects, clinical uses and contraindications of synthetic Gonadotropic hormones Discuss the MOA, adverse effects, clinical uses of Oxytocin antagonist. 	1 LGIS	MCQs
13.	Ovarian hormones	Physiology	 Enumerate synthetic Estrogen and progesterone preparations Discuss the MOA, adverse effects, clinical uses and contraindications of synthetic estrogen and progesterone 	1 LGIS	MCQs
14.	Formation of ammonia-I	Biochemistry	 Discuss the process of transamination. Funneling of amino groups to glutamate Aminotransferases Mechanism of action of aminotransferases 	1 LGIS	MCQs
15.	Ovarian hormones	Physiology	• Enumerate synthetic Estrogen and	1 SGD	MCQs

			progesterone preparations • Discuss the MOA, adverse effects, clinical uses and contraindications of synthetic estrogen and progesterone		
16.	Male reproductive tract-1	Anatomy	 Describe the system of ducts that spermatozoa travel through from the testis to external meatus Identify the location and function of the male accessory glands 	1 SGD	MCQs
17.	Male reproductive tract-2	Anatomy	 Describe the location and process of spermatogenesis Describe the path that spermatozoa take through the male and female reproductive tracts to reach the ova. 	1 LGIS	MCQs
18.	Formation of ammonia-II	Biochemistry	 Discuss the process of Oxidative deamination by glutamate dehydrogenase Clinical significance of glutamate dehydrogenase Metabolic significance of Glutamate dehydrogenase Non-oxidative deamination by amino acid dehydrogenase 	1 LGIS	MCQs
19.	PBL Testicular t	umor			
20.	Histology of male reproductive tract	Anatomy	Describe the Histology of: Testis and epididymis Prostate Seminal vesicles	1 LGIS	MCQs
21.	Histology of male reproductive tract	Anatomy	Identify the slides under the microscope and enumerate the characteristics of each	1 Skill lab	OSPE/VIVA

			 Testis and epididymis Prostate Seminal vesicles 	
22.	Female reproductive hormones	Physiology	• Identify the role of female reproductive hormones during reproductive life 1 Skill lab	4
23.	Male reproductive hormones	Physiology	• Identify the role of male reproductive hormones during reproductive life 1 Skill OSPE/VIVA	4
24.	Testicular hormones	Physiology	Describe the Synthesis, Transport and biochemical role of male sex hormones (testosterone and dihydrotestosterone). Describe the Synthesis, I LGIS MCQs	
25.	Transport of ammonia	Biochemistry	 Describe the transport of ammonia from peripheral tissues to liver. (K)Transport of ammonia in form of glutamine Transport of ammonia in form of alanine 	
26.	Role of Testicular hormones	Physiology	 Describe the functions of testosterone during fetal development. Describe the effects of testosterone on the development of primary and secondary sexual characteristics. 	
27.	Male hormones	Physiology	Describe the control of male sexual functions by hormones from the Hypothalamus and Anterior Pituitary Gland. MCQs MCQs	
28.	Male and Female Reproductive organs- Development	Anatomy	 Identify the primary and secondary sex organs in the male and female reproductive systems Explain how the male and female reproductive organs are formed from embryonic structures 	

			• Identify the homologous genital structures in the male and female		
29.	Male and Female Reproductive organs- Anomalies	Anatomy	 Enumerate the developmental anomalies of male and female genital tracts and organs Give a brief description of each 	1 LGIS	MCQs
30.	Urea cycle-I	Biochemistry	 Describe the reactions of the urea cycle. Overall stoichiometry of urea cycle 	1 LGIS	MCQs
31.	Urea cycle-II	Biochemistry	• Describe the significance and regulation of urea cycle.	1 LGIS	MCQs
32.	Estimation of serum urea level	Biochemistry	Demonstrate the following: Blood sample collection Method of estimation Calculation for estimation Reference range comparison Interpretation of result Relate the above to clinical significance	1 Skill lab	OSPE/VIVA
33.	Stages of growth & development	Behavioral sciences	 Define neonate, infant and child. Understand the difference between child and adult physically and emotionally. Define puberty and compare male and female characteristics of the period Understand the pattern of congenital and acquired diseases at various pediatric ages. Define growth and development and explain the methodology of monitoring growth in infants and children using FOC, weight and height. Understand the use of percentile charts for monitoring growth parameters. 	1 LGIS	MCQs

34.	Ammonia intoxication	Biochemistry	 Enumerate four stages of development i.e., gross motor fine motor language and hearing and social adaptive Skills. Describe ammonia intoxication. Hepatic encephalopathy 	1 LGIS	MCQs
		T	Conception	T	
35.			 Describe the maturation of female ovum. Describe the fertilization of female ovum. Describe the transport of fertilized ovum through fallopian tubes. Describe the implantation of fertilized ovum. 	1 LGIS	MCQs
36.	Amino acid metabolism-I	Biochemistry	 Discuss amino acid degradation and synthesis. Glucogenic amino acids Ketogenic amino acids 	1 LGIS	MCQs
37.	Reproductive hormone assay	Biochemistry	Identify the chemistry of male and female reproductive hormones	2 Skill labs	OSPE/VIVA
38.	Adolescence to Menopause	Gynecology & Obstetrics	 Define Adolescence & Conception Enlist the factors which effect the life of women during their reproductive life cycle. 	1 LGIS	MCQs
39.	Antenatal care	Community medicine	 Define Antenatal care Enlist Objectives of Antenatal car Enlist the preventive services provided to mothers during antenatal care. Define Risk Approach Describe the identification of High Risk? 	1 LGIS	MCQs
40.	Obstetric history taking	Gynecology & Obstetrics	Describe the components of obstetric history taking.	1 LGIS	MCQs

41.	Intra-natal and postnatal care	Gynecology & Obstetrics	 Define Intra-natal care, Briefly describe Domiciliary & Institutional care Define Postnatal care Briefly discuss objectives of Postnatal care 	1 LGIS	MCQs
42.	Gynecological history taking	Gynecology & Obstetrics	• Describe gynecological history taking.	1 Skill lab	OSPE/VIVA
43.	Pregnancy test	Biochemistry	•Perform pregnancy test on given urine sample.	1 Skill lab	OSPE/VIVA
44.	Infertility, pregnancy & Post-natal psychological disturbances	Behavioral sciences	 Discuss Psychosocial aspects of infertility and pregnancy Describe the physiological changes in mother during pregnancy. Discuss Comment on post-natal psychological disturbance 	1 LGIS	MCQs
45.	Amino acid metabolism-II	Biochemistry	 Describe the metabolism of aliphatic side chain containing amino acids. Metabolism of glycine Synthesis of glycine Catabolism of glycine Metabolic fates of glycine Metabolic disorders of glycine 	1 LGIS	MCQs
46.	Metabolism of branched chain amino acids	Biochemistry	 Describe the metabolism of branched chain amino acids Valine Isoleucine Leucine Metabolic disorders of branched chain amino acids 	1 LGIS	MCQs
			Parturition		

47.	Parturition Normal labor	Physiology	 Describe the hormonal factors that cause increase uterine contractility near term. Describe the mechanical factors that cause increase uterine contractility near term. 	1 LGIS	MCQs
48.	Parturition Normal labor	Physiology	 Describe the mechanism of parturition. Enlist the stages of labor Describe the involution of uterus after parturition. 	1 LGIS	MCQs
49.	Metabolism of aromatic amino acids-I	Biochemistry	 Discuss the metabolism of Phenylalanine Tyrosine Fates of tyrosine Disorders of phenylalanine and tyrosine metabolism 	1 LGIS	MCQs
50.	Placental hormones	Biochemistry	 Name the hormones of the placenta. Discuss the functions of Hormones of the Placenta 	1 LGIS	MCQs
51.	Supplements during pregnancy	Comm. Medicine	Role of supplements during pregnancy (Folic acid, Iron, and Calcium)	1 LGIS	MCQs
52.	Maternal mortality	Comm. Medicine	 Define Maternal mortality & morbidity Enlist the common indicators related to Maternal Health Enlist the causes & risk factors for Maternal Mortality Describe the measures taken to reduce the maternal Mortality. 	1 LGIS	MCQs
53.	Metabolism of aromatic amino acids-II	Biochemistry	 Discuss the metabolism of tryptophan. Metabolic fates of tryptophan Metabolic disorders of tryptophan 	1 LGIS	MCQs

54.	Estimation of total proteins	Biochemistry	Demonstrate the following: Blood sample collection Method of estimation Calculation for estimation Reference range comparison Interpretation of result Relate the above to clinical significance	1 Skill lab	OSPE/VIVA
55.	Tocolytic agents	Pharmacology	 Enlist various tocolytic agents Discuss their Pharmacological effects, adverse effects and contraindications. 	1 LGIS	MCQs
56.	Reproductive health	Comm. Medicine	 Define Reproductive Health Describe Reproductive tract infections Describe the WHO strategies for safe motherhood 	1 LGIS	MCQs
57.	Oxytoxic agents	Pharmacology	 Enlist various oxytocic agents (Oxytocin, Ergometrine, Prostaglandins) Discuss their MOA and adverse effects Enumerate their indications and contraindications. 	1 LGIS	MCQs
58.	One carbon metabolism	Biochemistry	 Discuss the role of folic acid in amino acid metabolism. Sources and recipients of one carbon groups 	1 LGIS	MCQs
59.	Fetal and Neonatal Physiology	Physiology	 Discuss how fetal and neonatal physiology is different from adult physiology Enumerate steps of care of newborn at delivery Discuss the steps of care of newborn during first 6 hours 	1 LGIS	MCQs
60.	Metabolism of sulfur containing amino acids	Biochemistry	 Describe metabolism of sulfur containing amino acids. Metabolism of methionine Metabolism of cysteine and cysteine 	1 LGIS	MCQs

			Metabolic disorders of sulfur containing amino acids						
61.	Metabolism of acidic and basic amino acids	Biochemistry	 Describe metabolism of acidic and basic amino acids. Metabolism of acidic amino acids Metabolism of basic amino acids 	1 LGIS	MCQs				
62.	Family planning	Comm. Medicine	 Define family planning Enlist objectives of family planning Describe health aspects & scope of family planning Define Eligible couple, Target couple & couple protection rate 	1 LGIS	MCQs				
63.	Contraceptive methods	Comm. Medicine	 Classify contraceptive methods Enlist merit demerits, indication, contraindications of spacing methods 	1 LGIS	MCQs				
64.	Contraceptive methods	Comm. Medicine	 Describe Hormonal methods of contraception. Enlist Merit, demerits indication, contraindications of Terminal methods 	1 LGIS	MCQs				
65.	Metabolism of serine and proline	Biochemistry	Describe metabolism of:SerineProline	1 LGIS	MCQs				
	Breast feeding								
66.	Breast	Anatomy	 Describe the Anatomy of non-lactating and lactating breast Enumerate the sources of blood supply of breast and its venous drainage Describe milk line, development of breast and its anomalies. 	1 LGIS	MCQs				

			• Describe the lymphatic drainage and discuss lymph node stations/ levels the spread of malignant tumors.		
67.	Breast Histology	Anatomy	 Describe the gross and microscopic Anatomy of Non-lactating breast a. Breast during pregnancy c. Breast during lactation d. Breast after menopause 	1 LGIS	MCQs
68.	Breast Histology	Anatomy	 Identify the slides under microscope Draw and label the slides showing a. Non-lactating breast b. Breast during pregnancy c. Breast during lactation d. Breast after menopause 	1 Skill lab	OSPE/VIVA
69.	Effect of hormones on breast	Physiology	 Describe the breast development under the influence of endocrine hormones. Describe the process of milk secretion. Describe the hypothalamic control of prolactin secretion 	1 LGIS	MCQs
70.	Biogenic amines	Biochemistry	Explain what biogenic amines are	1 LGIS	MCQs
71.	Infant feeding	Physiology	 Describe the process of suppression of female ovarian cycle in nursing mothers. Describe milk Let- down process. 	1 LGIS	MCQs
72.	Hormones acting on breast	Biochemistry	 Discuss the release & functions of prolactin Describe the synthesis of lactose 	1 LGIS	MCQs
73.	Hormones acting on breast	Pharmacology	 Enumerate various Prolactin antagonist Discuss the MOA, adverse effects, clinical uses and 	1 LGIS	MCQs

			contraindications of Prolactin antagonist.		
74.	Common breast problems	General Surgery	 Define and Classify mastalgia. Enumerate causes of mastalgia Enumerate differential diagnosis of mastalgia Enumerate features in history and clinical examination important for assessment of mastalgia Enumerate investigations for assessment of mastalgia. Enumerate treatment options for mastalgia. 	1 LGIS	MCQs
75.	Infant feeding	Pediatrics	 Discuss composition of breast milk Discuss advantages of breast feeding to the baby and mother as compared to bottle feeding Enumerate techniques of breast feeding Enumerate signs of good attachment to the breast Enumerate principles of breastfeeding Define weaning Enumerate principles of weaning Describe the steps of weaning foods 	1 LGIS	MCQs

Learning Resources:

Anatomy

Text Books

- 1. Regional Anatomy by Snell
- 2. Embryology by Langman's
- 3. Snell's Neuro Anatomy
- 4. Histology by Janquira
- 5. General Anatomy by Laique Hussain

Reference Books:

- 6. Clinical Anatomy by Keith L. Moore
- 7. Histology by Laique Hussain
- 8. Histology by Difiore
- 9. Student Gray's
- 10. Embryology by Keith L. Moore

Physiology

- 11. Text Book of Medical Physiology by Guyton & Hall
- 12. Physiology by Lippincott

Biochemistry

- 13. Lippincott Biochemistry.
- 14. Harper's Biochemistry
- 15. Mushtaq's Biochemistry

Pathology

16. Pathologic Basis of Disease by Robbins and Cotran.

Pharmacology

- 17. Lippincott pharmacology.
- 18. Katzung Pharmacology. Biochemistry

Behavioural Sciences

- 19. Introduction to Psychology by Edward. E Smith.
- 20. Behavioural Science by Lippincott Williams.

Community Medicine

21. Text book of Preventive and Social Medicine by JE. Park

Medicine

22. Davidson's Text book of Medicine

Surgery

23. Text book of Surgery by Bailey & Love



FOR ENQUIRIES CONTACT: DEPARTMENT OF MEDICAL EDUCATION RIHS MEDICAL AND DENTAL COLLEGE

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