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CERTIFIED



**LIAQUAT UNIVERSITY**

OF MEDICAL & HEALTH SCIENCES JAMSHORO SINDH,

# Study Guide

Final Professional  
**M B B S**

**B A T C H**  
**2019-20**

ACADEMIC SESSION  
**2023-24**



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## MESSAGE

On behalf of the Vice Chancellor Prof. Dr. Ikramdin Ujjan and faculty members, I welcome you all to the Final Year MBBS class. Liaquat University of Medical and Health Sciences, is nationally and internationally recognized that distinguishes itself as the first ever public sector Medical University achieved ISO 9001:2008 certification and thus became entrenching center for outstanding teaching qualities with moral and ethical values, fantastic learning outcomes and productivity of the student's knowledge and experience.

We represents brilliant standards in teaching, research and creativity by regular class room activity, OSPE/OSCE pattern of evaluation, strict monitoring of student's attendance and counseling by Director Academics to produce professionals outfitted with highest standards in transfer and application of knowledge to address the health issues of this society.

All this is only possible with support of students, their parents and teachers, which are actually the stakeholders and play fundamental role to achieve upcoming objectives and goals.

Your accomplishments at Liaquat University of Medical and Health Sciences will be the extent of our achievements in delivering high quality education, knowledge and training.

I wish you best of luck and an unforgettable learning experience during your stay at this university.

**DIRECTOR ACADEMICS**

LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES

JAMSHORO

JANUARY						
S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
FEBRUARY						
S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	1	2
MARCH						
S	M	T	W	T	F	S
25	26	27	28	29	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
APRIL						
S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
MAY						
S	M	T	W	T	F	S
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25

26	27	28	29	30	31	1
JUNE						
S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6
JULY						
S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
AUGUST						
S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
SEPTEMBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
OCTOBER						
S	M	T	W	T	F	S
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19

20	21	22	23	24	25	26
NOVEMBER						
S	M	T	W	T	F	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
DECEMBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Feb 05	Kashmir Day
Mar 23	Pakistan Day
Apr 10-12	Eid ul-Fitr
May 01	Labour Day
Jun 17-18	Eid ul-Adha
Jul 16-17	Ashura
Aug 14	Independence Day
Sep 16	Eid Milad un Nabi
Nov 9	Iqbal Day
Dec 25	Jinnah Day

<span style="background-color: red; color: white;">■</span>	Start of classes/new session
<span style="background-color: #fce4d6;">■</span>	First Cycle of Calendar
<span style="background-color: #bbdefb;">■</span>	Second Cycle of Calendar
<span style="background-color: #e1bee7;">■</span>	Summer Vacation/Electives
<span style="background-color: #bbdefb;">■</span>	Exam Preparation Leave
<span style="background-color: #e0e0e0;">■</span>	Annual Examination

**WEEKLY TIME TABLE**  
**[FROM MONDAY 22ND JANUARY 2024 TO 25TH MAY 2024]**  
**GROUP: A VENUE OF LECTURES: NEW MEDICINE LEC HALL**  
**GROUP: B VENUE OF LECTURES: BDS LECTURE HALL**

TIME	G	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.15 AM	A	NUCLEAR MEDICINE (22/01-18/03) DERMATOLOGY (25/03-20/05)	NEUROLOGY	MEDICINE II (24/01-14/02) MEDICINE IV (21/02-13/03) NEPHROLOGY (20/03-22/05)	CARDIOLOGY (25/01-21/03) CHEST MEDICINE (28/03-23/05)	MEDICINE I (26/01-01/03) MEDICINE III (08/03-12/04) FAMILY MEDICINE (19/04-24/05)
09.00 AM	B	RADIOLOGY (22/01-18/03) PLASTIC SURGERY (25/03-20/05)	CARDIOTHORACIC SURGERY (23/01-19/03) PAEDIATRIC SURGERY (26/03-21/05)	GYNAE II (24/01-14/02) GYNAE I (21/02-13/03) NEURO SUR (20/03-22/05)	GYANE IV (25/01-15/02) GYANE III (22/02-14/03) UROLOGY (21/03-23/05)	ORTHOPAEDICS
09.00 AM	A	MEDICINE UNIT IV	MEDICINE UNIT III	MEDICINE UNIT II	MEDICINE UNIT I	<b>09.00 AM</b> <b>10.30 AM</b> CPC / SKILL LAB
09.45 AM	B	GYNAE UNIT I	GYNAE UNIT IV	GYANE UNIT III	GYNAE UNIT II	
09.45 AM	A	PAEDS UNIT I	PAEDS UNIT II	PAEDS UNIT I	PAEDS UNIT II	
10.30 AM	B	SURGERY UNIT III	SURGERY UNIT I	SURGERY UNIT IV	SURGERY UNIT II	
10.30 AM	A	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING
03.00	B	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING

**SCHEDULE OF HOSPITAL POSTING**

DATE	MEDICINE				PAEDIATRICS			
	I	II	III	IV	I		II	
22 JAN 03 FEB 2024	A1	A2	A3	A4	A5	A6	A7	A8
05 FEB 17 FEB 2024	A2	A3	A4	A1				
19 FEB 02 MAR 2024	A3	A4	A1	A2	A5	A6	A7	A8
04 MAR 20 MAR 2024	A4	A1	A2	A3				
21 MAR 06 APR 2024	A5	A6	A7	A8	A1	A2	A3	A4
08 APR 27 APR 2024	A6	A7	A8	A5				
29 APR 11 MAY 2024	A7	A8	A5	A6	A1	A2	A3	A4
13 MAY 25 MAY 2024	A8	A5	A6	A7				
27 MAY 06 JULY 2024	B1	B2	B3	B4	B5	B6	B7	B8
08 JULY 27 JULY 2024	B2	B3	B4	B1				
29 JULY 10 AUG 2024	B3	B4	B1	B2	B5	B6	B7	B8
12 AUG 28 AUG 2024	B4	B1	B2	B3				
29 AUG 14 SEPT 2024	B5	B6	B7	B8	B1	B2	B3	B4
16 SEPT 28 SEPT 2024	B6	B7	B8	B5				
30 SEPT 12 OCT 2024	B7	B8	B5	B6	B1	B2	B3	B4
14 OCT 26 OCT 2024	B8	B5	B6	B7				

**WEEKLY TIME TABLE**  
**[FROM MONDAY 13TH MAY 2023 TO 12TH OCTOBER 2023]**  
**GROUP: A VENUE OF LECTURES: BDS LECTURE HALL**  
**GROUP: B VENUE OF LECTURES: NEW MEDICINE LEC HALL**

TIME	G	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.00 AM	A	RADIOLOGY (27/05-19/08) PLASTIC SURGERY (26/08-21/10)	CARDIOTHORACIC SURGERY (28/05-20/08) PAEDIATRIC SURGERY (27/08-22/10)	GYNAE II (29/05-17/07) GYNAE I (24/07-14/08) NEURO SURG (21/08-23/10)	GYANE IV (30/05-18/07) GYANE III (25/07-15/08) UROLOGY (22/08-10/10)	ORTHOPAEDICS
09.00 AM	B	NUCLEAR MEDICINE (27/05-19/08) DERMATOLOGY (26/08-21/10)	NEUROLOGY	MEDICINE II (29/05-17/07) MEDICINE IV (24/07-14/08) NEPHROLOGY (21/08-23/10)	CARDIOLOGY (30/05-22/08) CHEST MED (29/08-24/10)	MEDICINE I (31/05-02/08) MEDICINE III (09/08-13/09) FAMILY MEDICINE (20/09-25/10)
09.00 AM	A	GYNAE UNIT I	GYNAE UNIT IV	GYANE UNIT III	GYNAE UNIT II	<b>09.00 AM</b> <b>10.30 AM</b> CPC / SKILL LAB
09.45 AM	B	MEDICINE UNIT IV	MEDICINE UNIT III	MEDICINE UNIT II	MEDICINE UNIT I	
09.45 AM	A	SURGERY UNIT III	SURGERY UNIT I	SURGERY UNIT IV	SURGERY UNIT II	
10.30 AM	B	PAEDS UNIT I	PAEDS UNIT II	PAEDS UNIT I	PAEDS UNIT II	
10.30 AM	A	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING
03.00	B	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING	HOSPITAL POSTING

**SCHEDULE OF HOSPITAL POSTING**

DATE	SURGERY				GYNAECOLOGY & OBS			
	I	II	III	IV	I	II	III	IV
22 JAN 03 FEB 2024	B1	B2	B3	B4	B5	B6	B7	B8
05 FEB 17 FEB 2024	B2	B3	B4	B1	B6	B7	B8	B5
19 FEB 02 MAR 2024	B3	B4	B1	B2	B7	B8	B5	B6
04 MAR 20 MAR 2024	B4	B1	B2	B3	B8	B5	B6	B7
21 MAR 06 APR 2024	B5	B6	B7	B8	B1	B2	B3	B4
08 APR 27 APR 2024	B6	B7	B8	B5	B2	B3	B4	B1
29 APR 11 MAY 2024	B7	B8	B5	B6	B3	B4	B1	B2
13 MAY 25 MAY 2024	B8	B5	B6	B7	B4	B1	B2	B3
27 MAY 06 JULY 2024	A1	A2	A3	A4	A5	A6	A7	A8
08 JULY 27 JULY 2024	A2	A3	A4	A1	A6	A7	A8	A5
29 JULY 10 AUG 2024	A3	A4	A1	A2	A7	A8	A5	A6
12 AUG 28 AUG 2024	A4	A1	A2	A3	A8	A5	A6	A7
29 AUG 14 SEPT 2024	A5	A6	A7	A8	A1	A2	A3	A4
16 SEPT 28 SEPT 2024	A6	A7	A8	A5	A2	A3	A4	A1
30 SEPT 12 OCT 2024	A7	A8	A5	A6	A3	A4	A1	A2
14 OCT 26 OCT 2024	A8	A5	A6	A7	A4	A1	A2	A3

### CPC AND SKILL LAB SCHEDULE

DATE	SKILL LAB + GROUPS & TIMINGS	CPC OF DEPT + GROUPS
26-01-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	MEDICINE I ALL A GROUPS
02-02-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	SURGERY I ALL B GROUPS
09-02-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	PAEDS I ALL A GROUPS
16-02-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	GYNAE I ALL B GROUPS
23-02-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	MEDICINE II ALL A GROUPS
01-03-2024	A 1 +2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	SURGERY II ALL B GROUPS
08-03-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	PAEDS II ALL A GROUPS
15-03-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	GYNAE II ALL B GROUPS
22-03-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	MEDICINE III ALL A GROUPS
29-03-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	SURGERY III ALL B GROUPS
05-04-2024	<b>LAST WEEK OF RAMAZAN</b>	
12-04-2024	<b>EID UL FITR</b>	
19-04-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	PAEDS I ALL A GROUPS
26-04-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	GYNAE III ALL B GROUPS
03-05-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	MEDICINE IV ALL A GROUPS
10-05-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	SURGERY IV ALL B GROUPS
17-05-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	PAEDS II ALL A GROUPS
24-05-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	GYNAE IV ALL B GROUPS
31-05-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	MEDICINE I ALL B GROUPS
05-07-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	SURGERY I ALL A GROUPS
12-07-2024	A 1+2-3+4 (9.00-9.45) A5+6+7+8 (9.45-10.30)	PAEDS I ALL B GROUPS
19-07-2024	<b>ASHURA</b>	
26-07-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	GYNAE I ALL A GROUPS
02-08-2024	A 1+2-3+4 (9.00-9.45) A5+6+7+8 (9.45-10.30)	MEDICINE II ALL B GROUPS
09-08-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	SURGERY II ALL A GROUPS
16-08-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	PAEDS II ALL B GROUPS
23-08-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	GYNAE II ALL A GROUPS
30-08-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	MEDICINE III ALL B GROUPS
06-09-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	SURGERY III ALL A GROUPS
13-09-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	PAEDS I ALL B GROUPS
20-09-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	GYNAE III ALL A GROUPS
27-09-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	MEDICINE IV ALL B GROUPS
03-10-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	SURGERY IV ALL A GROUPS
10-10-2024	A 1+2-3+4 (9.00-9.45) A 5+6+7+8 (9.45-10.30)	PAEDS II ALL B GROUPS
17-10-2024	B 1+2+3+4(9.00-9.45) B 5+6+7+8(9.45-10.30)	GYNAE IV ALL A GROUPS
24-10-2024	<b>END OF THE SESSION</b>	

**DEPARTMENT OF SURGERY**

S #	TEACHING FACULTY		
<b>PROFESSORS</b>			
01	<b>CHAIRMAN:</b> Prof. Amir Iqbal Memon	05	Prof. Ahsan Ali Laghari
02	Prof. Ambreen Munir	06	Prof. Arshad Hussain Abro
03	Prof. Altaf Ahmed Talpur	07	Prof. Champa Sushel
04	Prof. Shahida Khatoon	08	Prof. Rasool Bux Behan
<b>ASSOCIATE PROFESSORS</b>			
09	Dr. Zameer Hussain Laghari	12	Dr. Abdul Rasheed Surahio
10	Dr. Ahmed Hussain Pathan	13	Dr. Syed Fazila Hashmi
11	Dr. Zubair Ahmed	14	Dr. Shahnawaz Abro
<b>ASSISTANT PROFESSORS</b>			
15	Dr. Sohail Ahmed Memon	25	Dr. Bilal-e-Rasool
16	Dr. Aijaz Ahmed Shaikh	26	Dr. Ghulamullah Rind
17	Dr. Abdul Salam Memon	27	Dr. Muhammad Rafique Pathan
18	Dr. Qamber Ali Laghari	28	Dr. Faiza
19	Dr. Nawaz Ali Dal	29	Dr. Ishrat Rahim
20	Dr. Ahmer Akbar Memon	30	Dr. Shahnawaz
21	Dr. Muhammad Akber	31	Dr. Sandesh Kumar
22	Dr. Khinpal Das	32	Dr. Mujeeb Ur Rahman
23	Dr. Shiraz Shaikh	33	Dr. Riaz Ahmed Memon
24	Dr. Samina Naz		
<b>SENIOR REGISTRARS</b>			
34	Dr. Kareem Bux Bhurgari	35	Dr. Muhammad Anwar Memon

**SUBJECT: GENERAL SURGERY**

S. NO	TOPIC	NO. OF LECTURES
<b><u>SURGICAL UNIT - I</u></b> Prof. Ambreen Munir, Dr. Zameer Hussain Laghari, Dr. Abdul Rasheed Surahio, Dr. Shahnawaz Abro		
1	<b>GENERAL PRINCIPLES OF SURGERY</b> <ul style="list-style-type: none"> <li>• Principles of minimal access surgery</li> <li>• Tissue &amp; molecular diagnosis</li> <li>• Pre-operative preparation, care in the operating room</li> <li>• Perioperative management of high risk surgical patient</li> <li>• Postoperative care including preoperative optimization</li> </ul>	4
2	<b>ABDOMINAL WALL, HERNIA AND UMBILICUS</b> <ul style="list-style-type: none"> <li>• Anatomy</li> <li>• Abdominal Hernia</li> <li>• Umbilical conditions in adult</li> <li>• Abdominal wall disorders</li> </ul>	5
3	<b>THE PERITONEUM, OMENTUM, MESENTRY AND RETROPERITONEAL SPACE</b> <ul style="list-style-type: none"> <li>• Peritonitis</li> <li>• Abdominal Abscess</li> <li>• Tumors</li> </ul>	3
4	<b>ARTERIAL DISORDERS</b> <ul style="list-style-type: none"> <li>• Arterial occlusive disease</li> <li>• Gangrene</li> </ul>	2
5	<b>VENOUS DISORDERS</b> <ul style="list-style-type: none"> <li>• Varicose Veins</li> </ul>	5



	<ul style="list-style-type: none"> <li>• Deep venous Thrombosis</li> </ul>	
6	<b>LYMPHATIC DISORDERS</b> <ul style="list-style-type: none"> <li>• Lymphedema</li> </ul>	1
7	<b>THE SPLEEN:</b> <ul style="list-style-type: none"> <li>• Disorders of Spleen &amp; Splenectomy</li> </ul>	1
<u><b>SURGICAL UNIT - II</b></u> Prof. Amir Iqbal Memon, Prof. Rasool Bux Behan, Prof. Champa Sushel, Dr. Zubair Ahmed Yousfani		
1	<b>GENERAL PRINCIPLES OF SURGERY</b> <ul style="list-style-type: none"> <li>• Anesthesia and Pain Relief</li> <li>• Nutrition and fluid therapy</li> <li>• Surgical Audit &amp; Research</li> <li>• Ethics and law in Surgical Practice</li> <li>• Diagnostic imaging and GI Endoscopy</li> <li>• Bariatric and metabolic surgery</li> </ul>	4
2	<b>THE ESOPHAGUS</b> <ul style="list-style-type: none"> <li>• Surgical Anatomy &amp; Investigations</li> <li>• Dysphagia</li> <li>• Gastro-esophageal reflux</li> <li>• Hiatus hernia</li> <li>• Neoplasm of Esophagus</li> </ul>	4
3	<b>STOMACH AND DUODENUM</b> <ul style="list-style-type: none"> <li>• Anatomy &amp; Investigations</li> <li>• Peptic Ulcer Disease</li> <li>• Gastric Cancer</li> <li>• Duodenal tumors</li> </ul>	3
4	<b>THE LIVER</b> <ul style="list-style-type: none"> <li>• Liver infections</li> <li>• Liver tumors</li> </ul>	2
5	<b>GALL BLADDER &amp; BILE DUCT</b> <ul style="list-style-type: none"> <li>• Gallstone Disease</li> <li>• Obstructive Jaundice</li> <li>• Tumors</li> </ul>	3
6	<b>THE PANCREAS</b> <ul style="list-style-type: none"> <li>• Pancreatitis</li> <li>• Pancreatic cancers</li> </ul>	2
<u><b>SURGICAL UNIT - III</b></u> Prof. Altaf Ahmed Talpur, Dr. Ahmed Hussian Pathan		
1	<b>GENERAL PRINCIPLES OF SURGERY</b> <ul style="list-style-type: none"> <li>• Human factors, patient's safety and quality improvement.</li> <li>• Surgical Infections</li> <li>• Surgery in tropics</li> <li>• Global health &amp; Surgery</li> <li>• Day care surgery</li> </ul>	3
2	<b>NECK SWELLINGS (EXCLUDING THYROID)</b>	1
3	<b>THE SMALL &amp; LARGE INTESTINE (Functional disorder of intestine)</b> <ul style="list-style-type: none"> <li>• Inflammatory Bowel Disease</li> <li>• Stomas</li> <li>• Tumors</li> </ul>	3
4	<b>INTESTINAL OBSTRUCTION ( Acute &amp; chronic)</b>	2

5	<b>THE VERMIFORM APPENDIX</b> <ul style="list-style-type: none"> <li>• Acute Appendicitis</li> <li>• Tumors of Appendix</li> </ul>	2
6	<b>THE RECTUM</b> <ul style="list-style-type: none"> <li>• Lower G.I Bleeding</li> <li>• Rectal Prolapse</li> <li>• Carcinoma of Rectum</li> </ul>	3
7	<b>THE ANUS AND ANAL CANAL</b> <ul style="list-style-type: none"> <li>• Pilonidal Sinus</li> <li>• Anal incontinence</li> <li>• Anal fissure</li> <li>• Hemorrhoids</li> <li>• Anorectal abscess and anal fistula</li> <li>• Anal tumors</li> </ul>	4

**SURGICAL UNIT - IV**

Prof. Shahida Khatoon, Prof. Ahsan Ali Laghari, Prof. Arshad Hussain Abro

1	<b>GENERAL PRINCIPLES OF SURGERY</b> <ul style="list-style-type: none"> <li>• Metabolic Response to Injury</li> <li>• Shock hemorrhage and blood transfusion</li> <li>• Wound, Healing and Tissue Repair</li> <li>• Tissue engineering &amp; Regenerative therapies</li> <li>• Basic Surgical Skills and anastomosis</li> <li>• Principals of oncology</li> </ul>	4
2	<b>TRAUMA</b> <ul style="list-style-type: none"> <li>• Introduction to Trauma Early assessment and Management of severe Trauma</li> <li>• Torso Trauma &amp; Pelvic Trauma</li> <li>• Disaster Surgery &amp; conflict Surgery</li> </ul>	3
3	<b>DISORDERS OF SALIVARY GLANDS</b> <ul style="list-style-type: none"> <li>• Benign Diseases of Salivary Glands</li> <li>• Malignant Diseases of Salivary Glands</li> </ul>	2
4	<b>THYROID AND PARATHYROID GLANDS</b> <ul style="list-style-type: none"> <li>• Anatomy &amp; investigations of thyroid gland</li> <li>• Goiter</li> <li>• Thyrotoxicosis</li> <li>• Thyroid Neoplasm</li> <li>• Anatomy &amp; investigations of parathyroid gland</li> <li>• Hyperparathyroidism</li> </ul>	5
5	<b>THE ADRENAL GLANDS AND OTHER ABDOMINAL ENDOCRINE DISORDERS:</b> <ul style="list-style-type: none"> <li>• Disorders of Adrenal Cortex</li> </ul>	1
6	<b>DISORDERS OF THE ADRENAL MEDULLA AND NEURAL CREST DERIVED TISSUE THE BREST</b> <ul style="list-style-type: none"> <li>• Surgical anatomy and investigations</li> <li>• Benign Brest Diseases</li> <li>• Carcinoma of the Brest</li> </ul>	3

**DEPARTMENT OF GYNAECOLOGY & OBSTETRICS**

S #	TEACHING FACULTY		
<b>PROFESSORS</b>			
01	<b>CHAIRPERSON:</b> Prof. Mehrunisa Khaskheli	03	Prof. Naheed Parveen
02	Prof. Farhana Shaikh	04	Prof. Noushaba Rizwan
<b>ASSOCIATE PROFESSORS</b>			

05	Dr. Najma Bano	06	Dr. Shazia Rani
07	Dr. Nabila Hassan	08	Dr. Fahmida Parveen
09	Dr. Shehal Raza Channa		
<b>ASSISTANT PROFESSORS</b>			
10	Dr. Sabreena Talpur	11	Dr. Majida Khan
12	Dr. Zakia Zaheen	13	Dr. Sabrina Abbas
14	Dr. Aneela Mahmood	15	Dr. Shazia Awan
16	Dr. Saira Dars	17	Dr. Erum Samreen Siddiqui
18	Dr. Farha Naz	19	Dr. Madiha Abbasi
20	Dr. Saima Ghaffar		
<b>SENIOR REGISTRARS</b>			
21	Dr. Ambreen Mughal	22	Dr. Ambreen Ghori
23	Dr. Samina Shaikh	24	Dr. Qurat-Ul-Ain
25	Dr. Nazia Memon	26	Dr. Samia Aijaz

### OBSTETRICS

<u>GYNAE UNIT-I</u>	<u>GYNAE UNIT-II</u>
<b>Basic Clinical Skills</b> <ul style="list-style-type: none"> <li>Logical sequence of eliciting history from an obstetric patient</li> <li>Interpretation of investigations</li> </ul>	<b>Physiology of Pregnancy</b> <ul style="list-style-type: none"> <li>Conception, implantation of placenta, fetal circulation</li> <li>Diagnosis of pregnancy</li> </ul>
<b>Abnormal Pregnancy</b> <ul style="list-style-type: none"> <li>Bleeding in early pregnancy <ul style="list-style-type: none"> <li>Abortion</li> <li>Ectopic pregnancy</li> <li>Gestational trophoblastic disease</li> </ul> </li> </ul>	<b>Abnormal Pregnancy</b> <ul style="list-style-type: none"> <li>Bleeding in 2<sup>nd</sup> half of pregnancy <ul style="list-style-type: none"> <li>Ante partum hemorrhage <ul style="list-style-type: none"> <li>Placenta previa</li> <li>Abruptio placentae and Vasa previa</li> </ul> </li> </ul> </li> </ul>
<b>Normal Labor</b> <ul style="list-style-type: none"> <li>Physiology</li> <li>Mechanism</li> <li>Diagnosis</li> <li>Management of labor</li> </ul>	<b>Anatomy of Fetal Skull and Maternal Bony Pelvis</b> <ul style="list-style-type: none"> <li>Anatomy of fetal skull and maternal bony pelvis</li> <li>Abnormalities of bony pelvis</li> </ul>
<b>Normal Labor</b> <ul style="list-style-type: none"> <li>Methods of induction and augmentation of labor <ul style="list-style-type: none"> <li>Indications, Contraindications,</li> <li>Complications</li> </ul> </li> </ul>	<b>Normal Labor</b> <ul style="list-style-type: none"> <li>Analgesia and anesthesia</li> <li>Management of 3<sup>rd</sup> stage of labor</li> </ul>
<b>Abnormal Labor</b> <ul style="list-style-type: none"> <li>Prolonged labor <ul style="list-style-type: none"> <li>Causes and Management</li> </ul> </li> <li>Obstructed labor / ruptured uterus <ul style="list-style-type: none"> <li>Causes and Management</li> </ul> </li> </ul>	<b>Abnormal Labor</b> <ul style="list-style-type: none"> <li>PPH (Primary &amp; Secondary) <ul style="list-style-type: none"> <li>Causes and Management</li> </ul> </li> <li>Uterine inversion</li> <li>Obstetrics shock and unconscious patient</li> </ul>
<b>Perinatal Infections</b> <ul style="list-style-type: none"> <li>Rubella</li> <li>Varicella zoster</li> <li>Chlamydia, Gonorrhoea</li> </ul>	<b>High Risk Pregnancy</b> <ul style="list-style-type: none"> <li>Identify a high risk pregnancy</li> <li>IUGR and fetal monitoring</li> <li>Liver diseases in pregnancy</li> <li>Coagulation and fibrinolytic disorders</li> </ul>
<b>High Risk Pregnancy</b> <ul style="list-style-type: none"> <li>Prolonged pregnancy</li> <li>Multiple pregnancy</li> </ul>	<b>High Risk Pregnancy</b> <ul style="list-style-type: none"> <li>Hematological disorders of pregnancy <ul style="list-style-type: none"> <li>Anemia in pregnancy</li> <li>ISO immunization</li> <li>Thrombocytopenia and thrombophillias</li> </ul> </li> </ul>
<b>Puerperium</b>	<b>Puerperium</b>

<ul style="list-style-type: none"> <li>Abnormal Puerperium <ul style="list-style-type: none"> <li>Puerperal disorders &amp; Puerperal pyrexia</li> </ul> </li> <li>DVT</li> </ul>	<ul style="list-style-type: none"> <li>Maternal and Perinatal mortality</li> </ul>
<b>New Born Care</b> <ul style="list-style-type: none"> <li>Essential newborn care</li> <li>Observe the immediate assessment, apgar score and resuscitation of newborn care</li> </ul>	<b>New Born Care</b> <ul style="list-style-type: none"> <li>Breast feeding and its importance</li> <li>Neonatal problems</li> </ul>
<b><u>GYNAE UNIT-III</u></b>	<b><u>GYNAE UNIT-IV</u></b>
<b>Physiology of Pregnancy</b> <ul style="list-style-type: none"> <li>Physiological changes associated with pregnancy</li> </ul>	<b>Normal Pregnancy</b> <ul style="list-style-type: none"> <li>Pre-pregnancy care and antenatal care</li> <li>Imaging in obstetrics</li> <li>Pre-natal diagnosis</li> <li>Essential drugs and immunization with dosage and estimated need for pregnancy, child birth and newborn</li> </ul>
<b>Abnormal Pregnancy</b> <ul style="list-style-type: none"> <li>Polyhydramnios &amp; Oligohydramnios</li> <li>Intra uterine fetal death (IUFD)</li> </ul>	Mal-presentation and position Breech presentation <ul style="list-style-type: none"> <li>Transverse lie and shoulder presentation</li> <li>Face and Brow presentation</li> <li>Card Prolapse</li> </ul>
<b>Normal Labor</b> <ul style="list-style-type: none"> <li>Intra partum fetal monitoring <ul style="list-style-type: none"> <li>Fetal heart rate monitoring</li> <li>Fetal scalp sampling</li> </ul> </li> </ul>	<b>Normal Labor</b> <ul style="list-style-type: none"> <li>Structure and use of partograph</li> </ul>
<b>Abnormal Labor</b> <ul style="list-style-type: none"> <li>Instrumental vaginal delivery <ul style="list-style-type: none"> <li>Forceps delivery and Ventouse delivery</li> </ul> </li> <li>Cesarean section</li> </ul>	<b>Abnormal Labor</b> <ul style="list-style-type: none"> <li>Perineal trauma</li> <li>Episiotomy</li> </ul>
<b>Perinatal Infections</b> <ul style="list-style-type: none"> <li>Genital warts</li> <li>HIV, Aids</li> <li>Herpes simplex viral infections</li> <li>Malaria and Urinary tract infection</li> </ul>	<b>Perinatal Infections</b> <ul style="list-style-type: none"> <li>Syphilis</li> <li>Toxoplasmosis</li> <li>Trichomoniasis</li> <li>Cytomegalovirus</li> </ul>
<b>Hypertensive disorders of pregnancy</b> <ul style="list-style-type: none"> <li>PIH</li> <li>Pre-eclampsia</li> <li>Eclampsia</li> <li>Essential HTN</li> </ul>	<b>High Risk Pregnancy</b> <ul style="list-style-type: none"> <li>Diabetes in pregnancy</li> <li>Cardiac diseases in pregnancy</li> <li>Chronic renal diseases</li> </ul>
<b>Puerperium</b> <ul style="list-style-type: none"> <li>Normal Puerperium</li> <li>Contraception (post partum)</li> </ul>	<b>Puerperium</b> <ul style="list-style-type: none"> <li>The breasts and breast disorders</li> </ul>
<b>Ethics in Obstetrics Practice</b> <ul style="list-style-type: none"> <li>Ethics and Legal issues in obstetrics</li> </ul>	<b>Miscellaneous Medical Disorders in Pregnancy</b> <ul style="list-style-type: none"> <li>Epilepsy ,Migraine, Thyroid diseases</li> <li>Respiratory disorders</li> <li>Auto immune disease</li> </ul>

### GYNAECOLOGY

<b><u>GYNAE UNIT-I</u></b>	<b><u>GYNAE UNIT-II</u></b>
<b>Basic Clinical Skills</b> <ul style="list-style-type: none"> <li>Introduction, gynecological history taking</li> <li>Clinical examination by video</li> </ul>	<ul style="list-style-type: none"> <li>Development of female genital tract</li> </ul>
<ul style="list-style-type: none"> <li>Amenorrhoea <ul style="list-style-type: none"> <li>Primary and Secondary amenorrhoea</li> </ul> </li> </ul>	<b>Sub Fertility</b> <ul style="list-style-type: none"> <li>Male Female</li> </ul>

	<ul style="list-style-type: none"> <li>• Causes, Management &amp; Sub-Fertility</li> <li>• Ethics and values in ART.</li> </ul>
<b>Sexual and Reproductive Health</b> <ul style="list-style-type: none"> <li>• Introducing the sexual history taking</li> <li>• Awareness of psycho sexual problems</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Sexual and Reproductive Health - Contraception and sterilization</b></li> <li>• Vaginal discharge</li> </ul>
<b>Urogynaecology and Pelvic Floor Problems</b> <ul style="list-style-type: none"> <li>• Utero vaginal prolapse</li> <li>• Urinary incontinence <ul style="list-style-type: none"> <li>○ Stress incontinence, Urge incontinence</li> </ul> </li> </ul>	<b>Urogynaecology and Pelvic Floor Problems</b> <ul style="list-style-type: none"> <li>• Urinary frequency</li> <li>• Urinary tract infections</li> <li>• Urinary fistulae</li> </ul>
<b>Gynecological Oncology</b> <ul style="list-style-type: none"> <li>• Condition affecting of fallopian tubes <ul style="list-style-type: none"> <li>○ Cancer of fallopian tubes</li> <li>○ Ca: Endometrium</li> </ul> </li> </ul>	<b>Gynecological Oncology</b> <ul style="list-style-type: none"> <li>• Condition affecting of ovarian <ul style="list-style-type: none"> <li>○ Benign tumor of ovaries</li> <li>○ Cancer of ovaries</li> </ul> </li> </ul>
<b>Common Gynecological Operations</b> <ul style="list-style-type: none"> <li>• Common gynecological procedures <ul style="list-style-type: none"> <li>○ Hysteroscopy</li> <li>○ Laparoscopy and Cystoscopy</li> </ul> </li> </ul>	<b>Common gynecological procedures</b> <ul style="list-style-type: none"> <li>○ Dilatation and curettage</li> <li>○ Abdominal and vaginal hysterectomy</li> <li>○ Myomectomy</li> </ul>
<b><u>GYNAE UNIT-III</u></b>	<b><u>GYNAE UNIT-IV</u></b>
<ul style="list-style-type: none"> <li>• Puberty and adolescence</li> <li>• Ovulation and its legal importance</li> </ul>	<ul style="list-style-type: none"> <li>• Physiology of menstrual cycle</li> <li>• Menstrual disorders</li> <li>• Abnormal menstruation</li> </ul>
<ul style="list-style-type: none"> <li>• Endometriosis and Adenomyosis</li> <li>• Fibroid</li> </ul>	<ul style="list-style-type: none"> <li>• Polycystic ovarian disease</li> <li>• Hirsutism / virilism</li> </ul>
<b>Sexual and Reproductive Health</b> <ul style="list-style-type: none"> <li>• Infections of female genital tract</li> <li>• Sexually transmitted infections (STIs) <ul style="list-style-type: none"> <li>○ Screening, Management and Prevention of STIs</li> </ul> </li> </ul>	<b>Sexual and Reproductive Health</b> <ul style="list-style-type: none"> <li>• Acute pelvic inflammatory disease (PID)</li> <li>• Chronic PID</li> </ul>
<b>Gynecological Oncology</b> <ul style="list-style-type: none"> <li>• Conditions affecting vulva and vagina <ul style="list-style-type: none"> <li>○ Benign conditions of vulva</li> <li>○ VIN and invasive vulval carcinoma</li> <li>○ Benign conditions of vagina</li> <li>○ VIAN and vaginal carcinoma</li> </ul> </li> </ul>	<b>Gynecological Oncology</b> <ul style="list-style-type: none"> <li>• Condition affecting cervix <ul style="list-style-type: none"> <li>○ Benign conditions of cervix</li> <li>○ CIN and invasive carcinoma of cervix</li> </ul> </li> </ul>
<b>Menopause</b>	<b>Common Gynecological Operations</b> <ul style="list-style-type: none"> <li>• Pre-operative preparations</li> <li>• Post-operative complications and its management</li> </ul>

**DEPARTMENT OF ORTHOPAEDIC SURGERY AND TRAUMATOLOGY (DOST)**

<b>S #</b>	<b>TEACHING FACULTY</b>		
<b>01</b>	<b>PROFESSOR AND CHAIRMAN : Professor Asadullah Makhdoom</b>		
<b>ASSOCIATE PROFESSORS</b>			
<b>02</b>	Dr. Irshad Ahmed Bhutto	<b>03</b>	Dr. Zamir Hussain Tunio
<b>ASSISTANT PROFESSORS</b>			
<b>04</b>	Dr. Muhammad Faraz Jokhio	<b>05</b>	Dr. Siraj Ahmed Butt
<b>SENIOR REGISTRARS</b>			
<b>06</b>	Dr. Imran Khan Maher	<b>07</b>	Dr. Shakeel Ahmed Memon
<b>08</b>	Dr. Nizam Ahmed Attari	<b>09</b>	Dr. Iftikhar Ahmed Memon
<b>10</b>	Dr. Lachman Das		
	<b>TOPICS</b>	<b>TEACHER</b>	
<b>01</b>	General principles of fracture Management	<b>PROF DR. ASADULLAH MAKHDOOM</b>	

02	Pelvis fracture management	
03	Biomechanics of Lower Limb	
04	Sports injuries and its management	
05	Peripheral nerve injuries	
06	Management of spinal injuries	
07	Tumors of spine	DR. ZAMIR HUSSAIN TUNIO
08	T.B Spine	
09	Management of Bone infections	
10	Development dysplasia of hip diagnosis and its management	
11	Congenital talipes equinovarus diagnosis and management	DR. IRSHAD AHMED BHUTTO
12	Cerebral palsy diagnosis and its management	
13	Benign musculoskeletal tumors	
14	Malignant musculoskeletal tumors	
15	Osteoarthritis	DR. FARAZ AHMED JOKHIO
16	Rheumatoid Arthritis	
17	Septic Arthritis	
18	Osteoporosis	

**SHAHEED AFTAB AHMED QURESHI  
DEPARTMENT OF NEUROSURGERY**

S #	TEACHING FACULTY		
01	<b>PROFESSOR AND CHAIRMAN:</b> Prof. Riaz Ahmed Raja Memon		
	<b>ASSOCIATE PROFESSORS</b>	03	Dr. Vashdev
02	Dr. Muhammad Hamid Ali	04	Dr. Abdul Rauf Memon
	<b>ASSISTANT PROFESSORS</b>	06	Dr. Sanallah
05	Dr. Mubarak Hussain Nohrio	07	Dr. Aurangzeb Kalhoro
	<b>TEACHER: PROF RIAZ AHMED RAJA MEMON</b>		
<b>T O P I C S</b>	1. Head Injuries 2. Spinal Injuries 3. Congenital & Developmental anomalies 4. Brain Tumors 5. Spinal Tumors		6. Headache 7. Low Back pain & sciatica 8. Hydrocephalus 9. Surgical indications of CVA 10. Brain Abscess

**DEPARTMENT OF PLASTIC SURGERY  
(PLASTIC AND RECONSTRUCTIVE SURGEY + BURNS UNIT)**

S #	TEACHING FACULTY		
01	<b>INCHARGE AND ASSISTANT PROFESSOR:</b> Dr. Aamna Sanober		
01	<b>ASSISTANT PROFESSOR:</b> Dr. Sadia Rasheed		
02	<b>SENIOR REGISTRAR:</b> Dr. Kashan Qayoom Shaikh		
<b>T O P I C S</b>	1. Introduction to Plastic Surgery 2. Cleft lip / Cleft Palate 3. Wound Management 4. Hypospadias		5. Malignant tumors of Skin 6. Vascular Anomalies 7. Burns and its Complications and Management 8. Skin Grafting And Flap

**DEPARTMENT OF PAEDIATRICS SURGERY**

TEACHING FACULTY			
ASSISTANT PROFESSORS			
01	Dr. Mumtaz Ahmed Qureshi (INCHARGE)	02	Dr. Imtiaz Ahmed Qureshi

<b>T O P I C S</b>	1. Pyloric Stenosis	6. Neonatal Intestinal Obstructions
	2. Anorectal malformations	7. Umbilical Anomalies
	3. Gastro esophageal Reflux	8. Congenital Lungs anomalies
	4. Hirschsprung's Disease	9. Tracheo-Esophageal Fistulas
	5. Intussusceptions	10. Kidney Tumors in Neonates And Infants

#### DEPARTMENT OF UROLOGY

<b>S #</b>	<b>TEACHING FACULTY</b>
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<b>01</b>	<b>CHAIRMAN AND ASSOCIATE PROFESSOR :</b> Dr. Javed Altaf Jat (HOD Unit-I)
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<b>02</b>	<b>ASSOCIATE PROFESSOR :</b> Dr. Zakir Hussain Rajpar (HOD Unit-II)
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#### ASSISTANT PROFESSORS

<b>03</b>	Dr. Kashifuddin Qayoom Soomro	<b>04</b>	Dr. Imran Idrees Memon
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<b>05</b>	Dr. Shoukat Ali Mughal	<b>06</b>	Dr. Waqar Ahmed Memon
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#### SENIOR REGISTRARS

<b>07</b>	Dr. Syed Azhar Hussain Shah	<b>07</b>	Dr. Tamoor Ahmed Jatoi
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**TEACHERS:** Dr. Javed Altaf Jat AND Dr. Zakir Hussain Rajpar

<b>T O P I C S</b>	1. Urolithiasis	5. Carcinoma Prostate
	2. Benign Prostatic Hyperplasia (BPH)	6. Urinary Tract Infection (UTI)
	3. Renal Cell Carcinoma	7. Urinary Tract Trauma
	4. Bladder Tumor	8. Urethral Stricture

#### DEPARTMENT OF CARDIOTHORACIC SURGERY

<b>TEACHING FACULTY</b>
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<b>INCHARGE , ASSISTANT PROFESSOR AND TEACHER :</b> DR. KHALIL AHMED SHAIKH
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<b>T O P I C S</b>	1. Management of Blunt and Penetrating Chest Trauma
	2. Surgical Management of Pneumothorax
	3. Surgical Management of Empyema Thoracis with Broncho pleural Fistula
	4. Surgical Management of Chest Wall Mass
	5. Surgical Management of Post TB Bronchiectasis

#### DEPARTMENT OF RADIOLOGY

<b>TEACHING FACULTY</b>
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<b>01</b>	<b>CHAIRPERSON &amp; PROFESSOR:</b> Prof Dr. Aneela Sheeba
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<b>02</b>	<b>ASSOCIATE PROFESSOR:</b> Dr. Adnan Ahmed Qureshi
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<b>ASSISTANT PROFESSORS</b>	<b>SENIOR REGISTRARS</b>
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<b>03</b>	Dr. Ashfa Hassan	<b>06</b>	Dr. Zafar Shaikh
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<b>04</b>	Dr. Ghazala Shahzad	<b>07</b>	Dr. Ambreen Zia
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<b>05</b>	Dr. Seema Nayab	<b>08</b>	Dr. Asma Jatoi
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#### CLINICAL DEMONSTRATORS

<b>09</b>	Dr. Abu Zafar Moin ul Haq	<b>10</b>	Dr. Saima Zafar
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<b>11</b>	<b>LECTURER:</b> Dr. Aijaz Bhurgri
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<b>T O P I C S</b>	1. Normal Chest X-Ray - orientation	6. Mammography
	2. Chest X-Ray Pathology - orientation	7. CT Scan and MRI Orientation
	3. Radiological modalities in acute abdomen	8. CT scan brain + chest and abdomen
	4. Contrast Study [IVP]	9. MRI brain + Spine
	5. Barium Studies	10. Ultrasound Abdomen and Pelvis

#### DEPARTMENT OF MEDICINE

<b>S #</b>	<b>TEACHING FACULTY</b>
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<b>PROFESSORS</b>	<b>04</b>	Prof Muhammad Khalid Shaikh
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<b>01</b>	<b>CHAIRMAN:</b> Prof Muhammad Iqbal Shah	<b>05</b>	Prof Mukhtiar Hussain Jaffery
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02	Prof Imran Ali Shaikh	06	Prof. Abdul Haque Khan
03	Prof Shoaib Ansari	07	Prof. Naila Masood
<b>ASSOCIATE PROFESSORS</b>			
08	Dr. Santosh Kumar	12	Dr. Muhammad Aslam Rind
09	Dr. Mumtaz Ali Lakho	13	Dr. Sheeba Faryal
12	Dr. Mona Humaira	14	Dr. Salma Kadir
11	Dr. Abdul Ghani Rahimon	15	Dr. Kanwal Abbas Bhatti
<b>ASSISTANT PROFESSORS</b>		22	Dr. Ihsanullah Rajar
16	Dr. Zulfiqar Ali Shah	23	Dr. Razia Bano
17	Dr. Imran Karim	24	Dr. Tara Chand Devrajani
18	Dr. Madiha Shah	25	Dr. Maria Nazir
19	Dr. Tariq Zafar Shaikh	26	Dr. Shafaq Nazia
20	Dr. Bedar Bakhat Khan	27	Dr. Amjad Ali Kalhoro
21	Dr. Abdul Ghaffar Dars	28	Dr. Kashifullah
<b>SENIOR REGISTRARS</b>			
29	Dr. Abeer Memon	33	Dr. Samar Raza
30	Dr. Sobhya Karamullah	34	Dr. Arshad Ali Lakho
31	Dr. Kamran Qureshi	35	Dr. Akbar Gohar
32	Dr. Sohail Baig	36	Dr. Ghulam Mujtaba Shah

**SUBJECT: MEDICINE**

**MEDICAL UNIT-I**

**CHAPTER: HAEMATOLOGICAL DISEASES [PROF. DR IMRAN ALI SHAIKH]**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Iron Deficiency Anemia</li> <li>• Hemolytic Anemia and Related Disorders.</li> <li>• Aplastic Anemia</li> <li>• Haemoglobinopathies 1+2</li> </ul> | <ul style="list-style-type: none"> <li>• Myelodysplastic Syndrome</li> <li>• Megaloblastic Anemia</li> <li>• Blood Transfusion And Complications</li> </ul> |
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**CHAPTER: MEDICAL ONCOLOGY INCLUDING HAEMOTOLOGICAL MALIGNANCY  
[PROF DR. NAILA MASOOD SIDDIQUI]**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Acute Myeloid Leukemia</li> <li>• Acute Lymphoblastic Leukemia</li> <li>• CLL</li> <li>• CML</li> </ul> | <ul style="list-style-type: none"> <li>• Myeloproliferative Disorders</li> <li>• Lympho Proliferative Disorders</li> <li>• Multiple Myeloma</li> <li>•</li> </ul> |
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**BLEEDING DISEASE [PROF DR. MUKHTIAR HUSSAIN JAFFERI]**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• ITP</li> <li>• Hemophilia</li> <li>• DIC</li> </ul> | <ul style="list-style-type: none"> <li>• Coagulation Disorders</li> <li>• Thrombolytic therapy</li> <li>• AntiCoagulants</li> </ul> |
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**CHAPTER: INFECTIOUS DISEASES [DR. SALMA KADIR ]**

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| <ul style="list-style-type: none"> <li>• Gastroenteritis</li> <li>• Typhoid fever</li> <li>• Malaria</li> <li>• HIV</li> <li>• AIDS</li> </ul> | <ul style="list-style-type: none"> <li>• Rabies</li> <li>• Dengue</li> <li>• Corona virus infection and related disorders</li> <li>• Sexually transmitted infections and related condition</li> </ul> |
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**MEDICAL UNIT-II**

**CHAPTER: GASTROINTESTINAL TRACT [PROF SHOAI B ANSARI/ PROF DR. ABDUL HAQUE KHAN]**

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| <ul style="list-style-type: none"> <li>• Dysphagia</li> <li>• G I Hemorrhage (Upper and Lower)</li> </ul> | <ul style="list-style-type: none"> <li>• Celiac Disease</li> <li>• Ulcerative colitis</li> </ul> |
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<ul style="list-style-type: none"> <li>Gastro - Esophageal Reflux Disease and peptic Ulcer</li> <li>Malabsorption Syndrome</li> </ul>	<ul style="list-style-type: none"> <li>Crohn's Disease</li> <li>Irritable bowel syndrome</li> <li>Abdominal Tuberculosis</li> </ul>
<b>CHAPTER: DRUGS AND REACTIONS [PROF DR. ABDUL HAQUE KHAN]</b>	
<ul style="list-style-type: none"> <li>Drugs and reactions</li> <li>Approach to drug induced liver diseases</li> <li>Drugs used in kidney failure</li> </ul>	
<b>CHAPTER: CRITICAL CARE MEDICINE</b>	
<ul style="list-style-type: none"> <li>Acute Pulmonary Edema and ARDS</li> <li>Shock</li> </ul>	
<b>CHAPTER: HEPATO PANCREATO BILIARY DISEASE [DR. RIAZ AWAN]</b>	
<ul style="list-style-type: none"> <li>Acute Hepatitis</li> <li>Fulminant Hepatic Failure</li> <li>Chronic Hepatitis</li> <li>Autoimmune Hepatitis</li> </ul>	<ul style="list-style-type: none"> <li>Alcoholic Liver Diseases</li> <li>NASH &amp; NAFLD</li> <li>Liver Abscess</li> </ul>
<b>[ DR. MONA HUMAIRA]</b>	
<ul style="list-style-type: none"> <li>Cirrhosis: Overview and investigation</li> <li>Complications of Cirrhosis</li> <li>Hepatic encephalopathy</li> <li>Variceal hemorrhage</li> </ul>	<ul style="list-style-type: none"> <li>Hemochromatosis</li> <li>Wilson's Disease</li> <li>Primary biliary cirrhosis</li> <li>Acute pancreatitis</li> </ul>
<b>MEDICAL UNIT-III</b>	
<b>CHAPTER: RHEUMATOLOGICAL DISORDERS [PROF DR. MUHAMMAD IQBAL SHAH]</b>	
<ul style="list-style-type: none"> <li>Approach to joint disorders</li> <li>SLE</li> <li>MCTD and overlap syndrome</li> <li>Rheumatoid arthritis</li> <li>Osteoarthritis</li> <li>Osteoporosis and osteomalacia</li> </ul>	<ul style="list-style-type: none"> <li>Sjorgen's Syndrome</li> <li>Systemic sclerosis</li> <li>Poly arthritis nodosa</li> <li>Gout</li> <li>Wegner's granulomatosis</li> </ul>
<b>[DR. MUMTAZ ALI LAKHO]</b>	
<ul style="list-style-type: none"> <li>Ankylosing Spondylitis</li> <li>Psoriatic Arthritis</li> <li>Paget's Disease</li> </ul>	<ul style="list-style-type: none"> <li>Reactive arthritis</li> <li>Pott's Disease</li> </ul>
<b>CHAPTER: POISONING [DR. MUHAMMAD ASLAM RIND/ DR. SANTOSH KUMAR]</b>	
<ul style="list-style-type: none"> <li>Paracetamol Poisoning</li> <li>Organophosphorus Poisoning</li> <li>Snake Bite</li> <li>Black stone Poisoning</li> </ul>	<ul style="list-style-type: none"> <li>Salicylates Poisoning</li> <li>Opioid Poisoning</li> <li>Benzodiazepine Poisoning</li> </ul>
<b>CHAPTER: GERIATRIC MEDICINE [ DR. SANTOSH KUMAR]</b>	
<ul style="list-style-type: none"> <li>Health problems of the elderly</li> <li>General Principles of treating the elderly</li> <li>Patient Safety : How to Ensure</li> </ul>	
<b>MEDICAL UNIT-IV</b>	
<b>CHAPTER: ENDOCRINE AND METABOLIC DISEASES [PROF DR. MUHAMMAD KHALID SHAIKH]</b>	
<ul style="list-style-type: none"> <li>Acromegaly</li> <li>Hyperthyroidism</li> <li>Hypothyroidism</li> <li>Cushing's Disease &amp; syndrome</li> </ul>	<ul style="list-style-type: none"> <li>Addison's disease</li> <li>Hyper prolactinemia</li> <li>Pheocromocytoma</li> <li>Hyperparathyroidism</li> </ul>
<b>[DR. ABDUL GHANI RAHIMOON]</b>	
<ul style="list-style-type: none"> <li>MEN 1 and MEN 2</li> <li>Polyglandular failure</li> <li>Approach to hypogonadism and</li> </ul>	<ul style="list-style-type: none"> <li>Approach to hypoglycemia</li> <li>Congenital storage disease</li> <li>Obesity and its complications</li> </ul>

infertility	<ul style="list-style-type: none"> <li>Dyslipidemias and treatment</li> </ul>
<b>[DR. KANWAL ABBAS BHATTI]</b>	
<ul style="list-style-type: none"> <li>Hypopituitarism</li> <li>Diabetes Mellitus Type I</li> <li>Diabetes Mellitus Type II</li> </ul>	<ul style="list-style-type: none"> <li>DKA</li> <li>Hyperglycemic hyperosmolar state</li> </ul>
<b>CHAPTER: GENETIC AND METABOLC DISEASES [DR. SHEEBA FARYAL]</b>	
<ul style="list-style-type: none"> <li>Introduction to genetics</li> <li>Down's syndrome</li> <li>Kline felter's syndrome</li> </ul>	<ul style="list-style-type: none"> <li>Marfan's syndrome</li> <li>Turner's syndrome</li> </ul>

**DEPARTMENT OF PAEDIATRICS**

**TEACHING FACULTY**

**PROFESSORS**

<b>01</b>	<b>CHAIRPERSON:</b> Prof. Shazia Memon	<b>03</b>	Prof. Chetan Das
<b>02</b>	Prof. Farzana Parveen Shaikh		

**ASSOCIATE PROFESSOR**

**04** Dr. Ghulam Shabir Laghari

**ASSISTANT PROFESSORS**

<b>05</b>	Dr. Abdul Hameed Radhan	<b>06</b>	Dr. Syed Mushtaque Ali Shah
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**SENIOR REGISTRAR**

<b>07</b>	Dr. Saroop Chand	<b>12</b>	Dr. Shah Jahan
<b>08</b>	Dr. Zameer Ahmed	<b>13</b>	Dr. Ainey Razzak
<b>09</b>	Dr. Khuda Bux Khoso	<b>14</b>	Dr. Shazia Parveen
<b>10</b>	Dr. Muhammad Touseef	<b>15</b>	Dr. Kausar Keerio
<b>11</b>	Dr. Imran Ali	<b>16</b>	Dr. Shahzad Ahmed

**CLINICAL DEMONSTRATORS**

<b>16</b>	Dr. Fouzia Aijaz Shaikh	<b>17</b>	Dr. Aisha Ahmed
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**SUBJECT: PAEDIATRICS (FOUR LECTURES / WEEK)**

<b>NO</b>	<b>Topics</b>	<b>Unit</b>	<b>TEACHER</b>
1	Introduction to the Paediatrics subject Introduction to SOPs and National guidelines	I	PROF. SHAZIA MEMON
2	Convention of child rights /Basic child rights. Prevention of child abuse	II	PROF. FARZANA SHAIKH
3	Adolescent Health Issues	I	PROF. CHETAN DAS
4	IYCF	II	DR. G SHABIR LAGHARI
5	EPI & Updates on Immunization & Introduction to New vaccines	I	PROF. SHAZIA MEMON
6	Growth and development	II	PROF. FARZANA SHAIKH
7	Introduction to integrated management of a sick child	I	DR. SYED MUSHTAQUE ALI SHAH
8	Check for general danger signs & Facility based management of general danger signs	II	DR. G SHABIR LAGHARI
9	Approach to child with meningitis, (PBL)	I	PROF. CHETAN DAS
10	General and specific management of CNS infection	II	DR. G SHABIR LAGHARI
11	Cough or difficult breathing : community & Facility based management ( PBL)	I	DR SYED MUSHTAQUE ALI SHAH
12	Approach to child with wheeze/ Asthma	II	DR. ABDUL HAMEED RADHAN
13	Diarrheas, caused and classification/ Persistent diarrhea	I	PROF. SHAZIA MEMON
14	Facility based management of diarrhea and management of shock/ Plan C	II	DR. G SHABIR LAGHARI
15	Persistent /chronic diarrhea & malabsorption	I	PROF. CHETAN DAS
16	Fever IMNCI classification & Facility based management of childhood fever	II	DR. KHUDA BUX KHOSA

17	Measles , Mumps, Rubella	I	DR. SYED MUSHTAQUE ALI
18	Dengue fever	II	PROF. FARZANA SHAIKH
19	Chicken pox, Complication & Prevention	I	DR. SAROOP CHAND
20	Typhoid	II	PROF. FARZANA SHAIKH
21	Malaria & cerebral malarial	I	PROF. SHAZIA MEMON
22	UTI	II	DR. ABDUL HAMEED RADHAN
23	Extra pulmonary tuberculosis	I	DR. SYED MUSHTAQUE ALI
24	Pulmonary Tuberculosis and National guidelines	II	DR. G SHABIR LAGHARI
25	Polio and AFP surveillance & GB syndrome	I	PROF. CHETAN DAS
26	Diphtheria, Pertussis and Tetanus	II	DR. ABDUL HAMEED RADHAN
27	Approach to child with HIV	I	PROF. SHAZIA MEMON
28	Viral hepatitis & complication, viral hepatitis A.	II	DR. A HAMEED RADHAN
29	Hepatitis B&C, Approach to child with CLD	I	PROF. CHETAN DAS
30	Approach to child with Suspected corona Virus	II	DR. ZAMIR AHMED QAMBRANI
31	Treatment and prevention of Rabies	I	PROF. CHETAN DAS
32	Severe malnutrition SAM / CC pathway, Approach to child with palmar pallor anemia's	II	PROF. FARZANA SHAIKH
33	CMAM	I	PROF. SHAZIA MEMON
34	Micronutrient deficiencies, Vit A Vit D, Zinc/Scurvy	II	DR. G SHABIR LAGHARI
35	Essential Newborn Care	I	PROF. SHAZIA MEMON/ DR SAROOP CHAND
36	Facility based management of danger signs in newborn. Neonatal sepsis / meningitis	II	PROF. FARZANA SHAIKH
37	Approach to neonate with seizures, Birth asphyxia and helping baby breath and management of asphyxiated baby /HIE	I	PROF. CHETAN DAS
38	Small baby/ LBW (SFD and preterm ) problems and management / kangaroo care	II	PROF. FARZANA SHAIKH
39	Neonatal Jaundice	I	DR. SAROOP CHAND
40	Approach to child with Anemia/ palmar pallor	II	DR. G SHABIR LAGHARI
41	Leukemia	I	PROF. CHETAN DAS
42	Thalassemia	II	DR. SAROOP CHAND
43	Aplastic anemia & blood transfusion	I	DR. MUHAMMAD TOUSEEF
44	Bleeding disorder	II	PROF. FARZANA SHAIKH
45	Approach to child with edema /Nephrotic syndrome	I	PROF. SHAZIA MEMON
46	Approach to child with hematuria /AGN	II	PROF. FARZANA SHAIKH
47	Management of Renal Failure/ ARF and CKD	I	PROF. SHAZIA MEMON
48	Hypothyroidism	II	DR. ABDUL HAMEED RADHAN
49	Approach to child with short stature	I	PROF. SHAZIA MEMON
50	IDDP & Management of Ketoacidosis in Children	II	DR. G SHABIR LAGHARI
51	Cyanotic Heart Diseases TOF, TGA	I	PROF. CHETAN DAS
52	A-cyanotic Heart diseases VSD, ASD,PDA	II	DR. ABDUL HAMEED RADHAN
53	Heart Failure	I	DR. MUHAMMAD TOUSEEF
54	Rheumatic Fever/ Rheumatic Heart Disease	II	PROF. FARZANA SHAIKH
55	Approach to a handicapped child/ Cerebral palsy	I	PROF. CHETAN DAS
56	Approach to child with Seizures/ Febrile convulsions/ Epilepsy	II	PROF. FARZANA SHAIKH
57	Approach to child with behavioral problems and socio-social assessment.	I	DR. SYED MUSHTAQUE ALI SHAH
58	Poisoning	II	DR. KHUDA BUX KHOSA

59	Genetics and chromosomal disorders, Down Syndrome	I	DR. SYED MUSHTAQUE ALI SHAH
60	Acute pediatric emergencies foreign body and drowning	II	DR. G SHABIR LAGHARI

#### DEPARTMENT OF NEPHROLOGY

TEACHING FACULTY			
01	<b>ASSOCIATE PROFESSOR AND INCHARGE:</b> Dr. Pooran Kumar		
02	<b>ASSOCIATE PROFESSOR:</b> Dr. Bhagwan Das		
TOPICS			TEACHER
01	Introduction of nephrology including physiology & anatomy of the nephron		DR. BHAGWAN DAS
02	Acute kidney injury		DR. POORAN KUMAR
03	Electrolytes disorders		DR. BHAGWAN DAS
04	Chronic kidney disease		DR. POORAN KUMAR
05	Renal Replacement Therapy		DR. BHAGWAN DAS
06	Glomerular Diseases		DR. POORAN KUMAR
07	Acid Base Disorders		DR. BHAGWAN DAS
08	Hemodialysis (Skill lab demonstration)		DR. BHAGWAN DAS

#### DEPARTMENT OF NEUROLOGY

S #	TEACHING FACULTY		
01	<b>PROFESSOR AND CHAIRMAN :</b> Prof. Manzoor Ali Lakhair		
<b>ASSOCIATE PROFESSORS</b>			
02	Dr. Abdul Hafeez Bughio	03	Dr. Muslim Ali Lakhair
TOPICS			TEACHER
01	Symptomatology, localization and investigations of neurological disorders		PROF. MANZOOR ALI LAKHAIR
02	Headache		
03	Epilepsy (definition and classification)		
04	Epilepsy (investigations and treatment)		
05	Overview of Dementia		
06	Spinal cord disorders		
07	Stroke disease (Definition, risk factors, pathophysiology and clinical features)		DR. ABDUL HAFEEZ BUGHIO
08	Stroke disease (investigations and treatment)		
09	Neuro-inflammatory diseases (Multiple Sclerosis)		
10	Diseases of neuro muscular junction (Myasthenia Gravis)		
11	CNS infections (Meningitis & Encephalitis)		
12	Diseases of peripheral nerves		DR. MUSLIM ALI LAKHAIR
13	Myopathies		
14	Neurodegenerative diseases (MND)		
15	Parkinsonism		
16	Brain Death		

#### DEPARTMENT OF CARDIOLOGY

S #	TEACHING FACULTY		
01	<b>CHAIRMAN AND ASSOCIATE PROFESSOR :</b> Dr Muhammad Kashif Shaikh		
02	<b>ASSOCIATE PROFESSORS:</b> Dr. Shahid Hussain Memon		
<b>SENIOR REGISTRARS</b>			
03	Dr. Muhammad Rehman Khalid	04	Dr. Asad Aslam Korejo
T	<b>TEACHER: DR. MUHAMMAD KASHIF SHAIKH</b>		
O	➤ Introduction of Cardiovascular Disease (CVD) & Investigations		
P	➤ Chest Pain/Acute Coronary Syndrome (ACS)		
I	➤ Stable Ischemic Heart Diseases		
C	<b>TEACHER: DR. SHAHID HUSSAIN MEMON</b>		

S	<ul style="list-style-type: none"> <li>➤ Rheumatic Fever</li> <li>➤ Valvular Heart Disease (VHD)</li> <li>➤ Hypertension</li> </ul>
	<b>TEACHER: DR. MUHAMMAD REHMAN KHALID</b>
	<ul style="list-style-type: none"> <li>➤ Heart Failure and its management</li> <li>➤ Congenital Heart Disease Introduction</li> <li>➤ Management of congenital Heart disease</li> </ul>
	<b>TEACHER: DR. ASAD ASLAM KOREJO</b>
	<ul style="list-style-type: none"> <li>➤ Pulmonary Artery Hypertension</li> <li>➤ Arrhythmias and Sudden Cardiac Death (SCD)</li> <li>➤ Syncope</li> </ul>

#### DEPARTMENT OF DERMATOLOGY

S #	TEACHING FACULTY	
01	<b>ASSISTANT PROFESSOR AND INCHARGE: :</b> Dr. Hafiz Bashir Ahmed Kalhoro	
	<b>SENIOR REGISTRARS</b>	
02	Dr. Quratul Ain	03   Dr. Hira Shafqat
	<b>TEACHER: DR. HAFIZ BASHIR AHMED KALHORO</b>	
T O P I C S	<ol style="list-style-type: none"> <li>1. Psoriasis</li> <li>2. Eczema</li> <li>3. Lichen Planus</li> <li>4. Viral Infections</li> </ol>	<ol style="list-style-type: none"> <li>5. SLE</li> <li>6. Acne vulgaris</li> <li>7. Cutaneous Vasculitis</li> <li>8. Leprosy</li> </ol>

#### DEPARTMENT OF PULMONOLOGY (CHEST MEDICINE)

S #	TEACHING FACULTY	
01	<b>ASSISTANT PROFESSOR AND INCHARGE: :</b> Dr. Mubeen Ahmed Memon	
	<b>SENIOR REGISTRARS</b>	
02	Dr. Abdul Hafeez Thebo	03   Dr. Ghulam Maqtada
T O P I C S	<ol style="list-style-type: none"> <li>1. Pneumonia</li> <li>2. Bronchial Asthma</li> <li>3. COPD</li> <li>4. Plural Effusion &amp; Empyema</li> </ol>	<ol style="list-style-type: none"> <li>5. Pneumothorax</li> <li>6. Tuberculosis</li> <li>7. Carcinoma Lung</li> <li>8. Pulmonary Covid</li> </ol>

#### DEPARTMENT OF FAMILY MEDICINE

S #	TEACHING FACULTY	
01	<b>ASSISTANT PROFESSOR AND INCHARGE: :</b> Dr. Zaheer Ali	
T O P I C S	<ol style="list-style-type: none"> <li>1. Interlocution &amp; Importance of Family Medicine</li> <li>2. Focused History &amp; Clinical Exam</li> <li>3. Cost - effective &amp; Biopsychosocial aspects of Primary care</li> </ol>	<ol style="list-style-type: none"> <li>4. Approach to Diabetes in Primary care</li> <li>5. Approach to Hypertension in Primary Care</li> <li>6. Primary Care Approach to headache</li> </ol>

#### DEPARTMENT OF NUCLEAR MEDICINE AND ONCOLOGY (NIMRA)

S #	TEACHING FACULTY	
01	<b>DIRECTOR / CONSULTANT NUCLEAR PHYSICIAN:</b> Dr. Syed Shahid Iqbal	
	<b>CONSULTANTS</b>	
02	Dr. Badar-ud-din Memon	06   Dr. Arisha Adeel
03	Dr. Muhammad Ameen Abbasi	07   Dr. Ameeran
04	Dr. Fayaz Hussain Mangi	08   Dr. Moin-uddin Shah
05	Dr. Naseema	09   Dr. Naseer Khan
T O P I C S	<ol style="list-style-type: none"> <li>1. Role of Nuclear Medicine in Thyroid Diseases</li> <li>2. Skeletal Scintigraphy</li> <li>3. Renal Studies</li> <li>4. Introduction to Neoplasm</li> </ol>	<ol style="list-style-type: none"> <li>6. Head &amp; neck Cancer</li> <li>7. Carcinoma of Lung</li> <li>8. Carcinoma of Cervix</li> <li>9. Carcinoma of Breast</li> <li>10. Rectal Cancer</li> </ol>

	<b>5. Principles of radiation Oncology</b>	
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**SUBJECT: SURGICAL SKILLS [SKILL LAB]**

1	Nasogastric Tube Insertion + suction	9	Haemo Dialysis (Nephrology)
2	Normal vaginal Delivery	10	Peritoneal Dialysis
3	Forceps/ Vacuum Delivery (Gynae)	11	Local Anesthesia (Anesthesia)
4	Cervical Dilatation (Gynae)	12	Suture technique (Plastic Surgery)
5	PV Examination	13	Nebulize
6	Intra uterine contraceptive Technique	14	Exam of Upper & Lower Limb Joints
7	Syringe Pumps	15	Infant Airways
8	PICC line	16	Suction Machine

**BOOKS RECOMMENDED**

**MEDICINE**

- Davidson's Principles and practice of Medicine
- Kumar & Clark Clinical Medicine
- Macleod's Clinical Examination

**SURGERY**

- Belly and Love Practice of Surgery
- SD Clinical Methods

**GYNAECOLOGY & OBSTETRICS**

- Gynecology by Ten teachers
- Obstetrics by Ten Teachers
- Lifesaving skills manual, Essential Obstetrics and New Born Care RCOG
- Pregnancy, childbirth, postpartum and newborn care (PCPNC): A Guide for Essential Practice. Integrated Management of Pregnancy and Child Birth. Geneva: WHO; 2003
- Guidelines for the management of reproductive tract infections: AAHUNG

**PAEDIATRICS**

- Text Book of Pediatric by PPA
- Text Book of Pediatrics by Pervez Akbar
- Manual of Infectious disease, Manual of National TB Control Program
- Nelson Text Book of Pediatrics