

ANNUAL AUDIT REPORT

2020

SURGICAL UNIT 1

BENAZIR BHUTTO HOSPITAL

RAWALPINDI

"To be a successful surgeon
you'll need the eye of a
hawk, the heart of a lion
and the hands of a lady."



COMPILED BY

DR. SARMAD ANSARI

POST GRADUATE TRAINEE

Surgical Unit-I

BBH, Rawalpindi

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INTRODUCTION

Department of Surgery shares the spirit, and is connected by our dedication to the purity of creating a place where any patient can come at any time to receive the best treatment possible. By small triumphs or major leaps; the product of teamwork or individual incentive; each act that moves us closer to this ideal is important, and energized by passion. Surgical unit I is a true General Surgical Unit because we deal with Hepato-biliary, GIT, Vascular, Endocrine , Thoracic, Breast diseases & Trauma and because of lack of specialized units of Plastic surgery, Pediatrics Surgery, Thoracic surgery in Allied Hospitals, we also deal with these cases.

Total No. of beds in Surgical wards	41
Male Surgical Ward	20
Female Surgical Ward	17
Number Of beds in HDU	06
No. of beds in ICU	Shared 08 beds
No. of Beds in Private Block	Shared 13 beds
No. of Beds in ER	24 beds





MESSAGE FROM DEPARTMENT HEAD

Practice of medicine is in a continuous state of evolution. Mankind has seen tremendous changes in different treatment modalities. The last two decades were remarkable as we witnessed in enormous change in technology and treatment protocols with improved outcomes.

The present era is of specialized work with emergence of sub specialties. Our country is also following this trend of specialization but with a very slow pace.

This annual report indicates the effort of our unit in keeping up with the pace of this evolution. It is obvious from this report that there is a heavy work load of patients who need sub specialty care, but are being managed in General Surgery. This will help in improving our treatment protocols and patient care.

LIST OF FACULTY MEMBERS OF SURGICAL UNIT-I

Prof. Dr. Naeem Zia
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Benazir Bhutto Hospital, Rawalpindi
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Dr. Anis Ahmed
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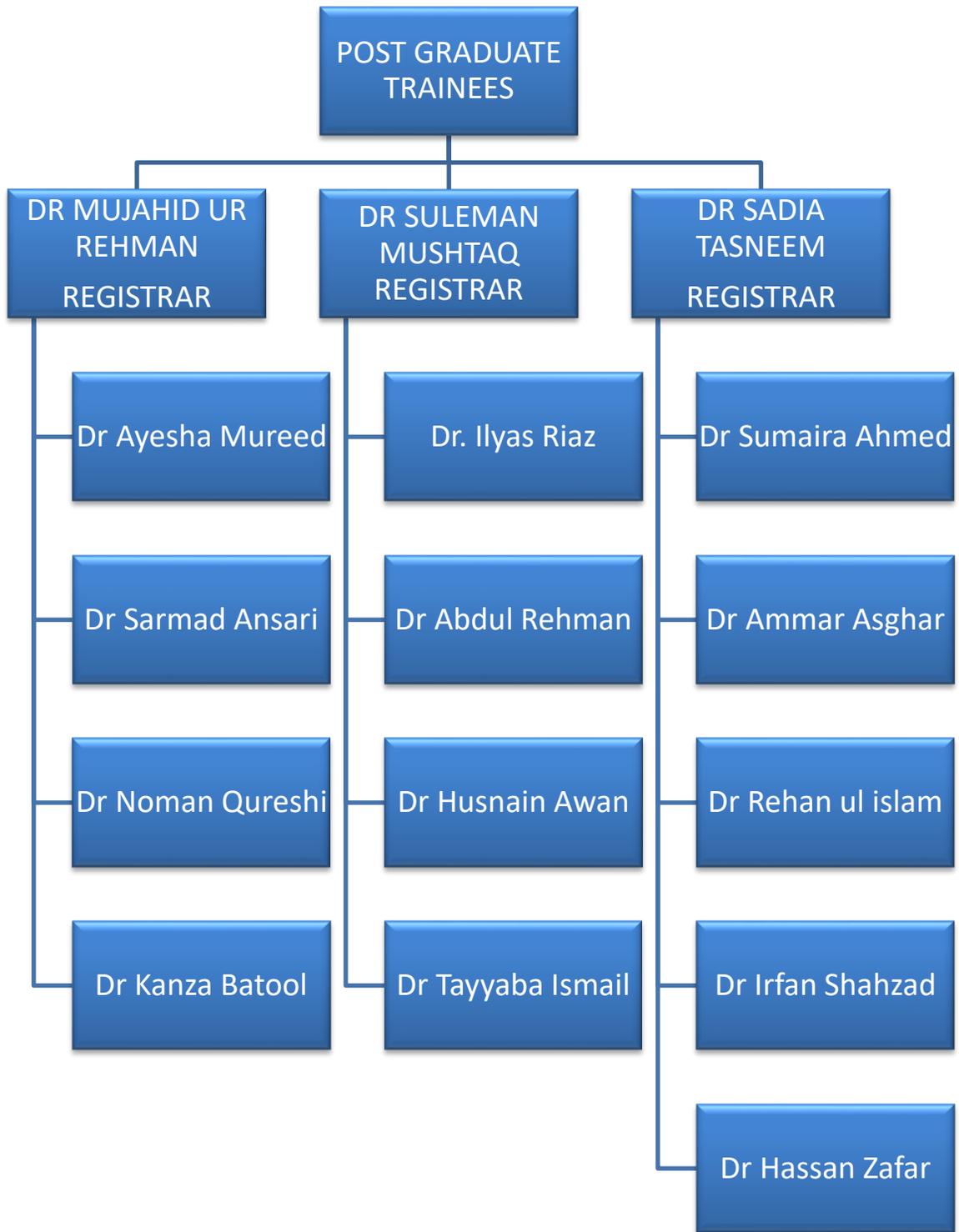


Dr. Tahir Ashraf Awan
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MEET US



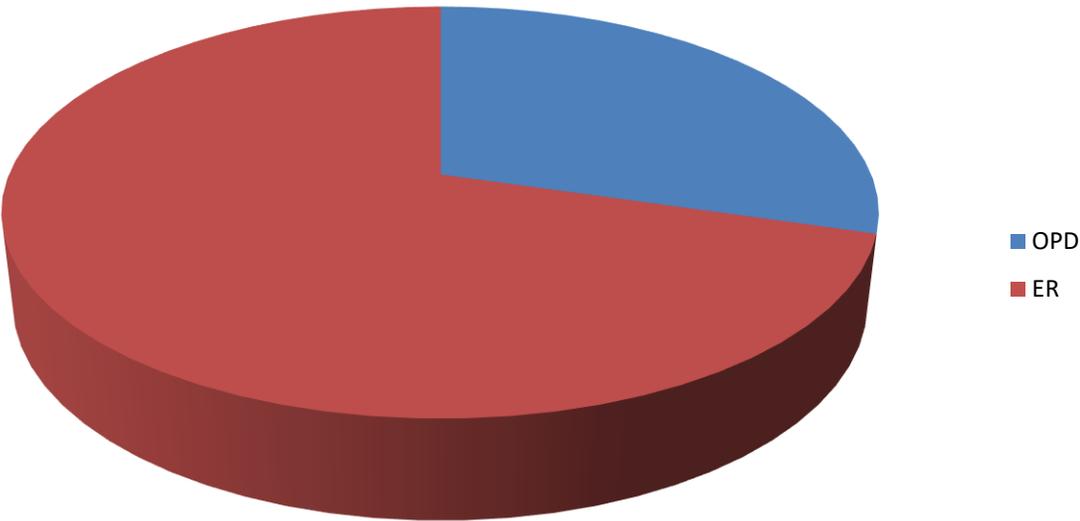
ANNUAL REPORTS

WARD AUDIT

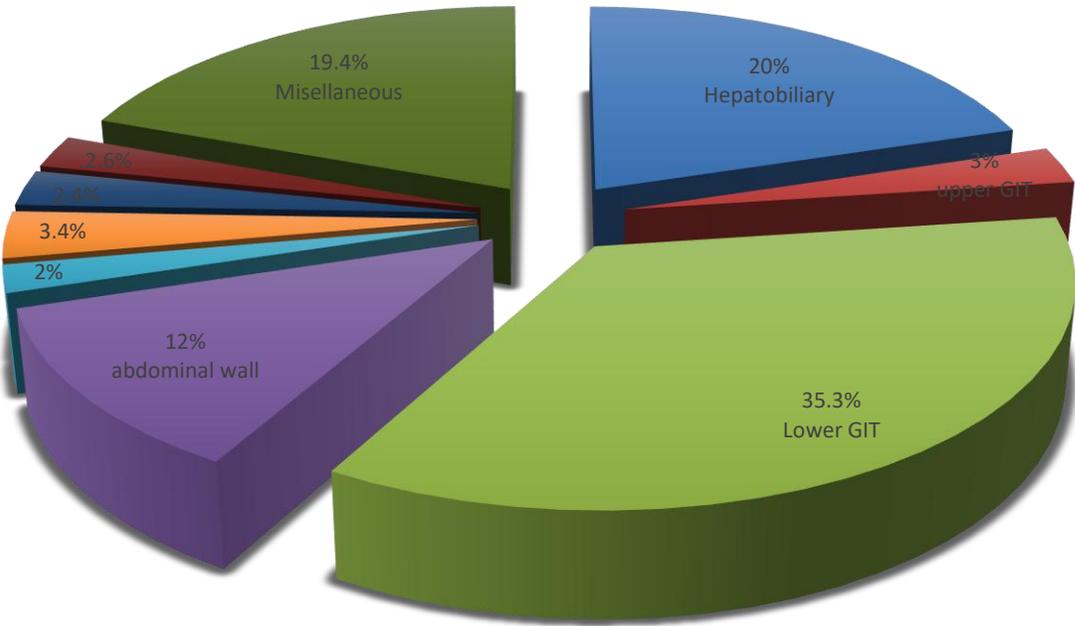
TOTAL ADMISSIONS IN SU-1						
	Male 2019	Male 2020	Female 2019	Female 2020	Total 2019	Total 2020
ER	1245	778	504	478	1749	1256
OPD	249	228	556	299	805	527
Total	1494	1006	1060	787	2554	1793

WARD ADMISSIONS							
Ward 9/HDU	Ward 9/HDU	Ward 10	Ward 10	ICU	ICU	Total	Total
2019	2020	2019	2020	2019	2020	2019	2020
1410	1006	1047	787	53	72	2510	1865

Admissions Source 2020



DISTRIBUTION OF ADMITTED PATIENTS ACCORDING TO SYSTEM 2020

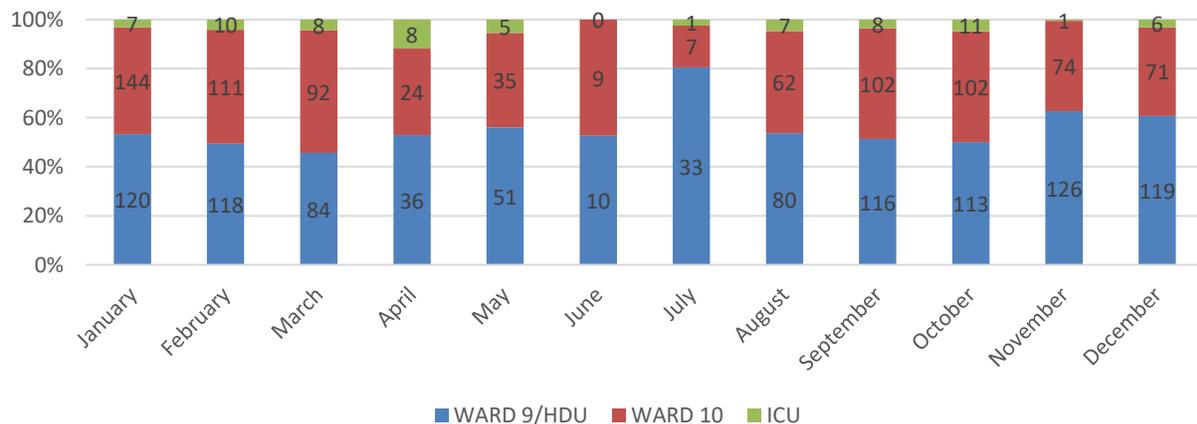


- Hepatobiliary
- Upper GIT
- Lower GIT
- Abdominal wall
- Head & Neck
- Thoracic
- Thyroid
- Breast Diseses
- Misellaneous

MONTHLY WARD WISE ADMISSIONS

MONTH	WARD 9/HDU 2019	WARD 9 /HDU 2020	WARD 10 2019	WARD 10 2020	ICU 2019	ICU 2020	TOTAL 2019	TOTAL 2020
January	110	120	96	98	07	07	213	225
February	111	118	97	111	08	10	216	239
March	113	84	69	92	06	08	188	184
April	134	36	93	24	04	08	231	68
May	105	51	76	35	02	05	183	91
June	126	10	84	09	03	0	213	19
July	134	33	119	07	06	01	259	41
August	135	80	81	62	02	07	218	149
September	111	116	60	102	04	08	175	226
October	100	113	74	102	01	11	175	226
November	130	126	103	74	04	01	237	201
December	101	119	95	71	06	06	202	186
Total	1410	996		787	53	72	2510	1855

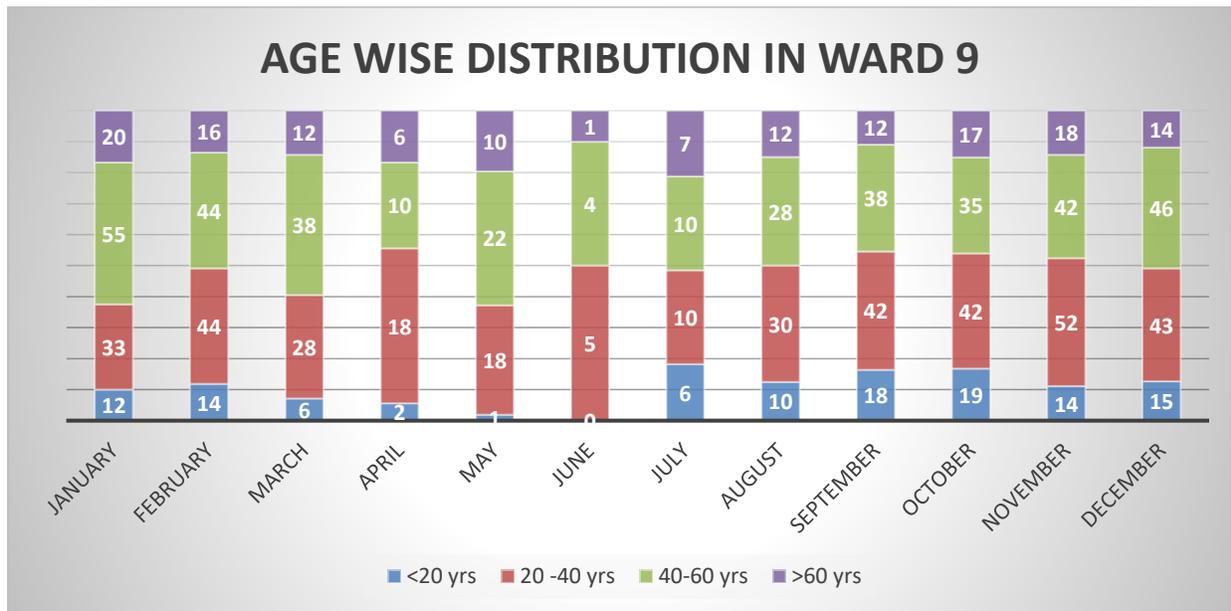
WARD ADMISSIONS 2020



MONTH WISE AND GENDER WISE MORTALITY						
MONTH	TOTAL MORTALITY 2019	TOTAL MORTALITY 2020	MALE 2019	MALE 2020	FEMALE 2019	FEMALE 2020
JAN	09	03	04	02	05	01
FEB	04	03	02	03	02	0
MARCH	04	04	01	04	03	0
APRIL	05	04	03	02	02	02
MAY	09	03	05	01	04	02
JUNE	05	0	03	0	02	0
JULY	05	02	03	01	02	01
AUGUST	04	02	03	02	01	0
SEPT	03	04	02	03	01	01
OCT	04	09	00	06	04	03
NOV	03	03	02	02	01	01
DEC	02	05	02	04	00	01
TOTAL	57	42	30	30	27	12



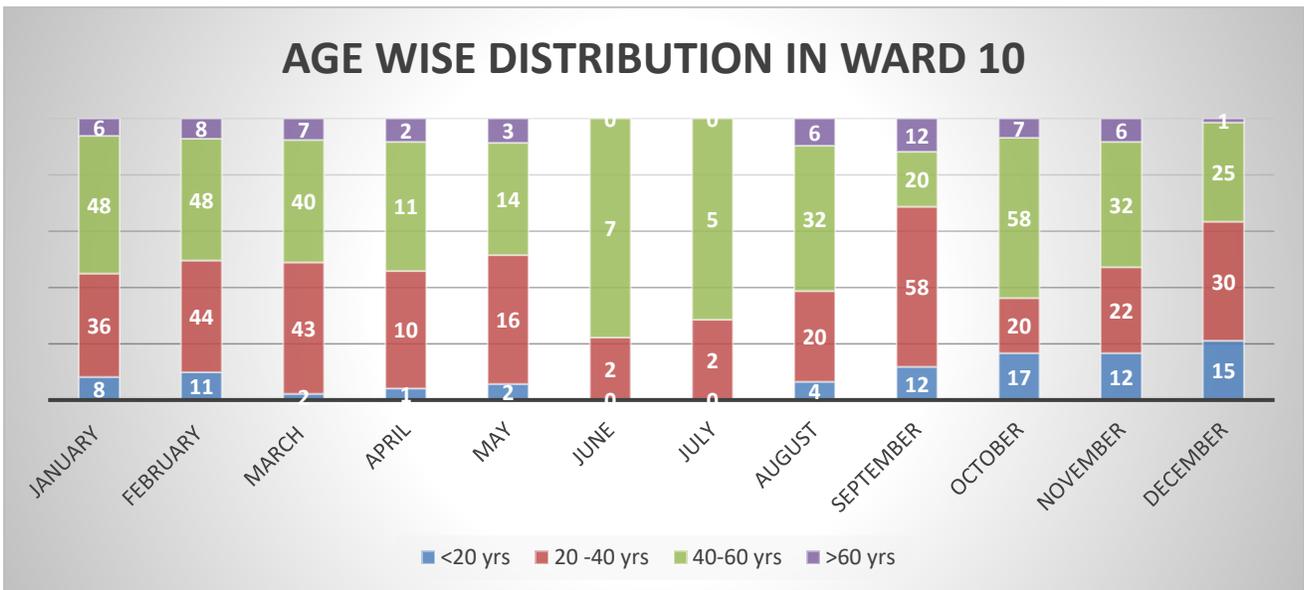
AGE WISE DISTRIBUTION IN WARD 9					
MONTH	<20 yrs	20 -40 yrs	40-60 yrs	>60 yrs	TOTAL
January	12	33	55	20	120
February	14	44	44	16	118
March	06	28	38	12	84
April	02	18	10	06	36
May	01	18	22	10	51
June	00	05	04	01	10
July	06	10	10	07	33
August	10	30	28	12	80
September	18	42	38	18	116
October	19	42	35	17	113
November	14	52	42	18	126
December	15	43	46	14	119
TOTAL	117	365	373	151	1006



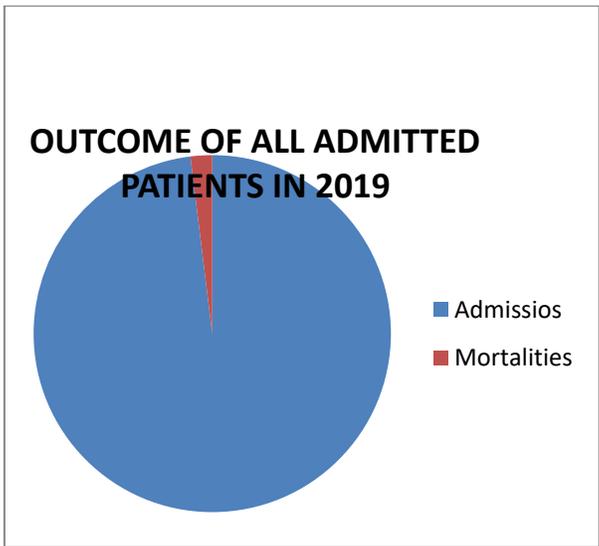
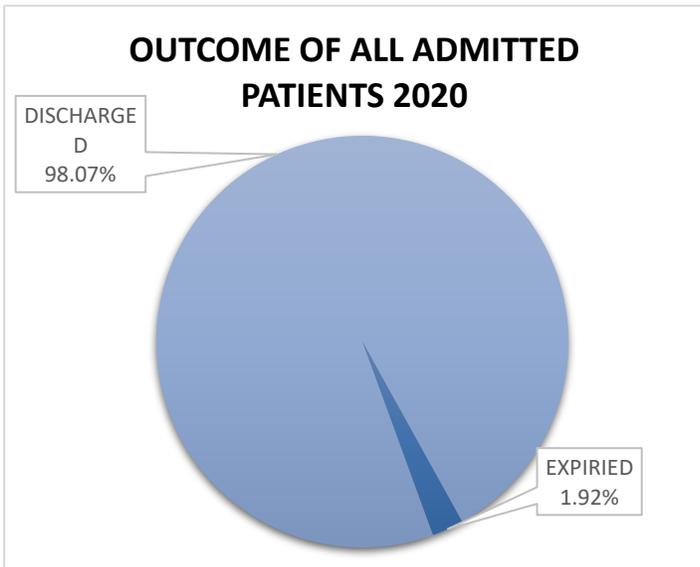
AGE WISE DISTRIBUTION IN WARD 10

MONTH	<20 yrs	20 -40 yrs	40-60 yrs	>60 yrs	TOTAL
January	08	36	48	06	98
February	11	44	48	08	111
March	02	43	40	07	92
April	01	10	11	02	24
May	02	16	14	03	35
June	00	02	07	00	09
July	00	02	05	00	07
August	04	20	32	06	62
September	12	58	20	12	102
October	17	20	58	07	102
November	12	22	32	06	74
December	15	30	25	01	71
TOTAL	84	303	342	58	787

AGE WISE DISTRIBUTION IN WARD 10

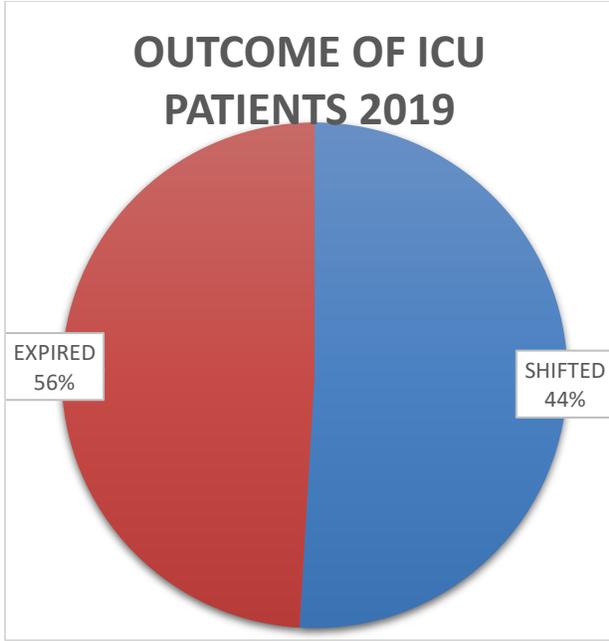
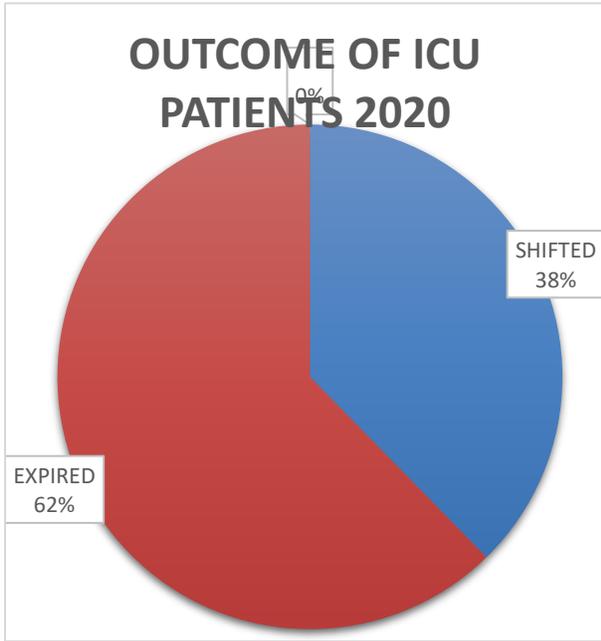


OUTCOME OF ALL ADMITTED PATIENTS				
MONTH	DISCHARGED 2019	DISCHARGED 2020	EXPIRED 2019	EXPIRED 2020
JAN	256	216	13	03
FEB	218	214	09	03
MARCH	241	200	06	04
APRIL	251	51	06	04
MAY	238	76	09	03
JUNE	200	22	06	00
JULY	204	41	08	02
AUGUST	203	130	05	02
SEPT	217	220	07	04
OCT	206	189	05	09
NOV	202	166	04	03
DEC	173	153	03	06
TOTAL	2409	1678	81	43

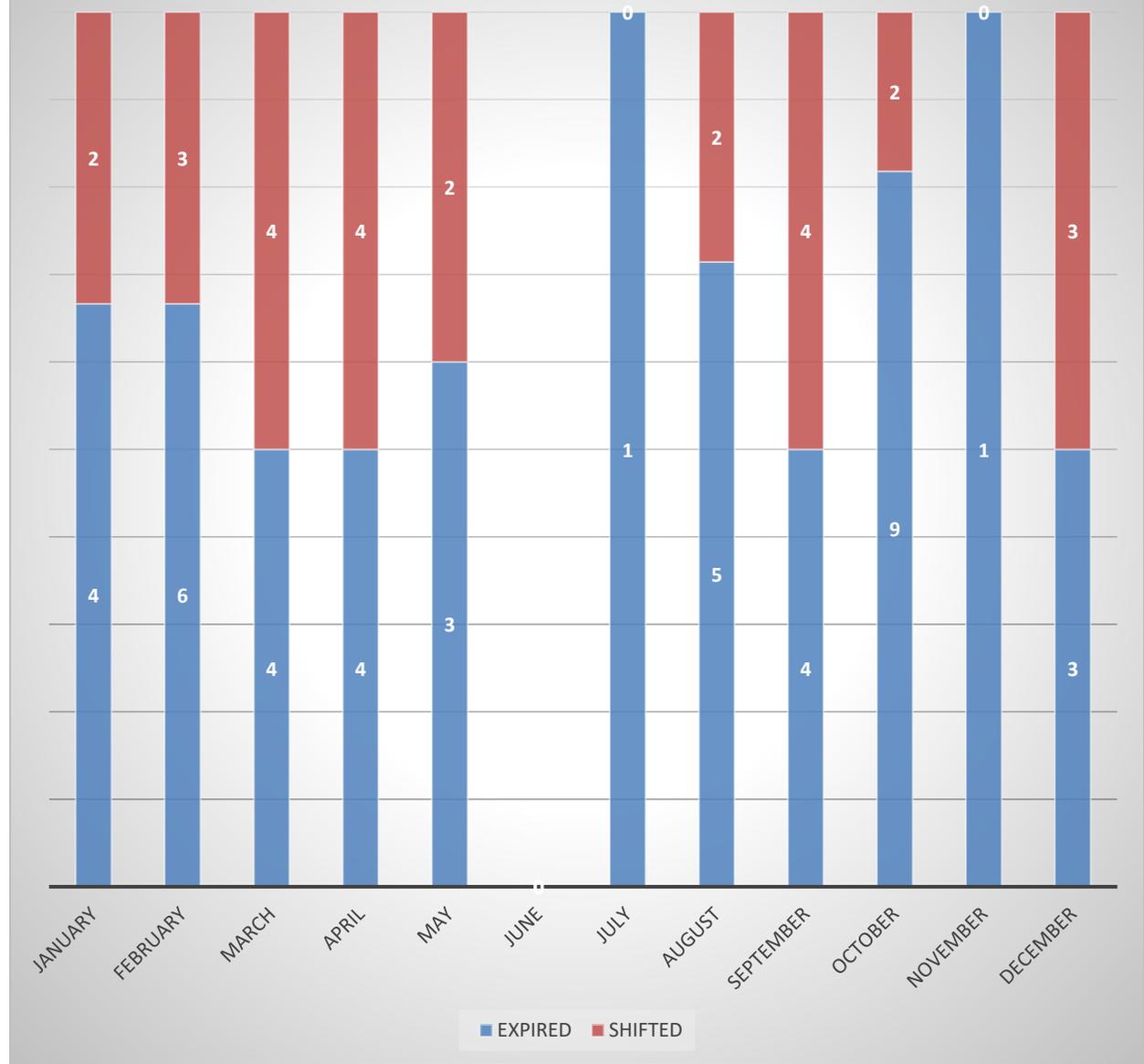


ICU AUDIT

MONTH	ADMISSIONS 2019	ADMISSIONS 2020	SHIFTED TO WARD 2019	SHIFTED TO WARD 2020	EXPIRIES 2019	EXPIRED 2020
January	07	07	03	02	04	04
February	08	10	03	03	05	06
March	06	08	04	04	02	04
April	04	08	03	04	01	04
May	02	05	02	02	00	03
June	03	00	02	00	01	00
July	06	01	03	00	03	01
August	02	07	01	02	01	05
September	04	08	00	04	04	04
October	01	11	00	02	01	09
November	04	01	01	00	03	01
December	06	06	05	03	01	03
Total	53	72	27	26	26	43



MONTHLY MORTALITY IN ICU 2020



OPD AUDIT

Month	Male 2019	Male 2020	Female 2019	Female2020	Total 2019	Total 2020
January	899	1133	1009	1129	1908	2262
February	973	979	1026	1103	1999	2082
March	1188	863	1137	902	2325	1765
April	1162	382	1208	293	2370	675
May	848	297	754	262	1602	559
June	952	90	958	95	1910	185
July	1450	237	1371	175	2821	412
August	1058	638	962	502	2020	1140
September	1323	1262	1161	1083	2484	2345
October	562	1044	529	1156	1091	2200
November	953	943	913	949	1866	1892
December	945	987	990	1003	1935	1990
Total	12313	8855	12017	8652	24330	17507

CASES DEALT IN EMERGENCY ROOM AND TOTAL ER ADMISSIONS

MONTH	TOTAL	TOTAL	MALE	MALE	FEMALE	FEMALE	ADMISSION	ADMISSIONS
	2019	2020	2019	2020	2019	2020	2019	2020
JANUARY	4551	5869	3000	3783	1551	2086	115	135
FEBRURY	5068	6347	3294	1421	1774	2276	170	133
MARCH	5844	5019	3788	3106	2056	1913	106	119
APRIL	5931	3240	3953	2133	1978	1107	117	59
MAY	6464	4131	4397	2815	2067	1316	134	86
JUNE	7216	2181	4778	1547	2438	634	145	19
JULY	8220	3358	5348	2337	2872	981	123	39
AUGUST	6088	4948	4103	3394	1985	1554	152	108
SEPTEMBER	4518	5224	2624	3552	1394	1672	104	149
OCTOBER	1692	6990	1128	4703	564	2287	89	140
NOVEMBER	4721	4869	3095	3324	1626	1545	140	145
DECEMBER	3846	5099	2588	3293	1258	1806	125	124
TOTAL	63659	56341	42096	35408	21563	20933	1520	1256

NO OF ACCIDENT CASES ATTENDED AT ER

MONTH	TOTAL	TOTAL	MALE	MALE	FEMALE	FEMALE
	2019	2020	2019	2020	2019	2020
JANUARY	1645	1545	1189	1089	556	456
FEBRURY	1925	1725	1360	1260	565	465
MARCH	1652	1552	1091	991	661	561
APRIL	1560	1460	1065	965	595	495
MAY	1670	1570	1194	1094	576	476
JUNE	1456	1356	1116	1016	540	440
JULY	1640	1340	1054	954	586	386
AUGUST	1660	1560	1265	1165	495	395
SEPTEMBER	1586	1386	1045	945	541	441
OCTOBER	1628	1428	1088	988	594	494
NOVEMBER	1957	1757	1389	1289	568	468
DECEMBER	1845	1645	1301	1201	544	444
Total	28024	18324	14157	12957	6721	5421

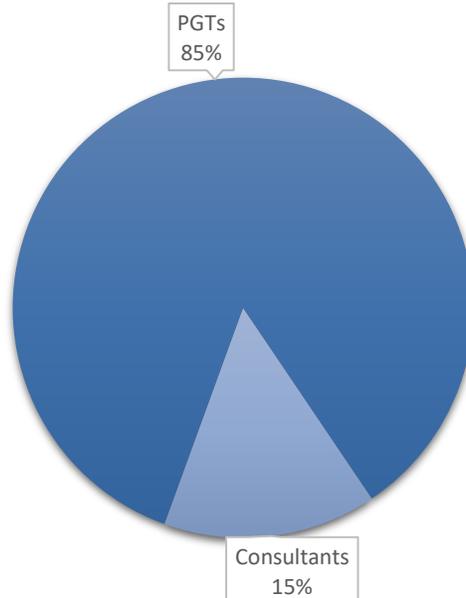
COT AUDIT

COT OPERATED CASES					
Month	Total	Major	Minor	Consultant	Trainees
January	77	66	11	16	61
February	68	60	08	09	59
March	62	57	05	11	51
April	46	42	04	9	37
May	53	41	12	8	45
June	1	1	0	0	1
July	9	8	1	3	6
August	39	28	11	13	26
September	79	69	10	8	71
October	87	75	12	12	75
November	82	64	18	2	80
December	126	75	51	18	108
TOTAL	729	586	143	109	620

COT OPERATIVE CASES



COT CASES ACCORDING TO SURGEON



DETAIL OF COT OPERATED CASES		
TOTAL	1130	729
	Year 2019	Year 2020
Abdominal Surgery		
Open Appendectomy	382	273
Laprosopic Appendix	19	20
Open Cholecystectomy	00	2
Diagnostic Laparotomy	02	0
Exploratory Laparotomy	170	46
Feeding jejunostomy	3	6
Stoma refashioning	2	10
Perforated duodenal ulcer	56	29
Typhoid perforation	34	2
Tuberculous perforation	14	0
Perforated appendix	45	20
Other Gut perforation	12	8
Intussusception	01	0
Pseudomyxoma peritonitis	0	0
Blunt Trauma Abdomen	24	10
Penetrating Trauma abdomen	6	3
FAI	14	20
Stab Abdomen	15	9

Obstructed Inguinal Hernia	13	9
Obstructed PUH	12	9
Mesenteric Ischemia	01	4
Burst abdomen	02	8
Pancreatitis (Necrosectomy)	0	2
Intraabdominal / Pelvic collection	01	5
Mass / CA	2	4
Re-laparotomy	02	16
Baggots Bag Application	02	08
Hemorrhoidectomy	02	3
Perianal abscess	05	14
Pilonidal Sinus	00	0
Vascular Surgery	18	24
Fasciotomy	35	31
Above Knee Amputation	15	15
Below Knee Amputation	26	25
Ray amputation	67	47
Above elbow amputation	04	10
Thoracotomy	05	3
Chest intubation	67	11
Tracheostomy	05	2

Neck exploration	17	8
Incision & Drainage	67	46
Debridement & Dressing	98	30
Carbuncle derroofing	16	7
Orchidectomy	00	1
Amputation Stump refashioning	05	5
Rectal polypectomy	0	0
Rectal Biopsy	05	2
Diversion Colostomy		4

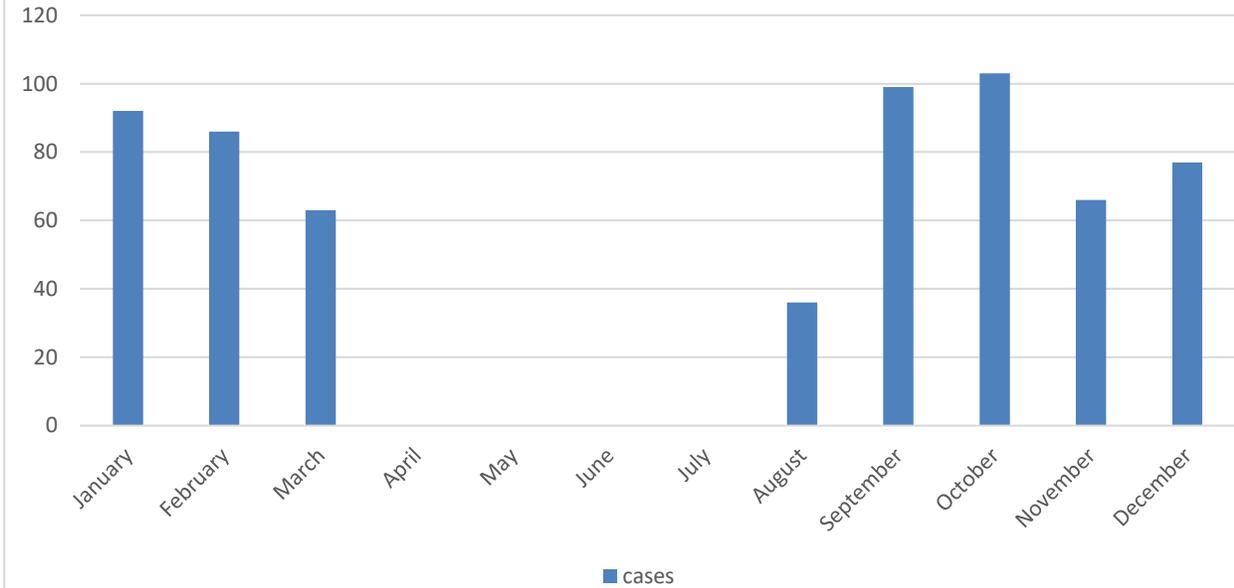
NO OF CASES OPERATED 2020 in MOT
(CATEGORY & ANESTHESIA WISE)

Month	Total	Major	Minor	GA	SA	LA
January	92	64	28	50	22	20
February	86	51	35	49	11	26
March	63	38	25	32	11	20
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	36	21	15	03	23	10
September	99	58	41	43	19	37
October	103	69	34	56	16	31
November	66	46	20	36	09	21
December	77	60	17	49	14	14
TOTAL	622	407	215	318	125	179

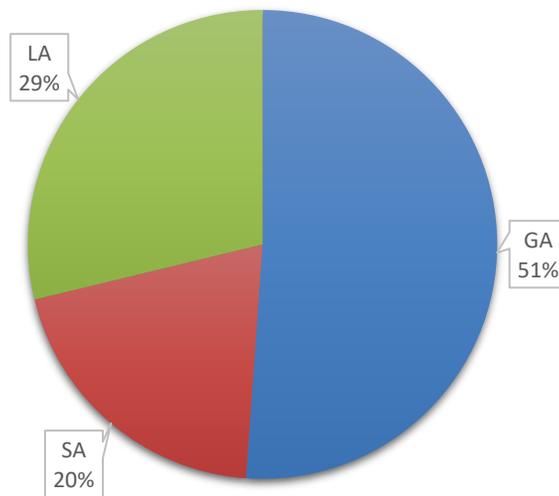
NO OF CASES OPERATED 2019 in MOT
(CATEGORY & ANESTHESIA WISE)

Month	Total	Major	Minor	GA	SA	LA
January	107	79	28	56	23	28
February	118	89	29	66	23	29
March	116	88	28	70	18	28
April	114	85	29	59	26	29
May	79	49	30	39	10	49
June	90	59	31	29	30	59
July	118	89	29	69	20	29
August	95	57	38	45	12	38
September	96	56	40	43	13	40
October	91	55	36	40	15	36
November	96	54	42	43	11	42
December	90	56	34	42	14	34
TOTAL	1210	816	394	601	215	394

MOT CASES OPERATED MONTH WISE 2020



MOT CASES ANESTHESIA WISE 2020



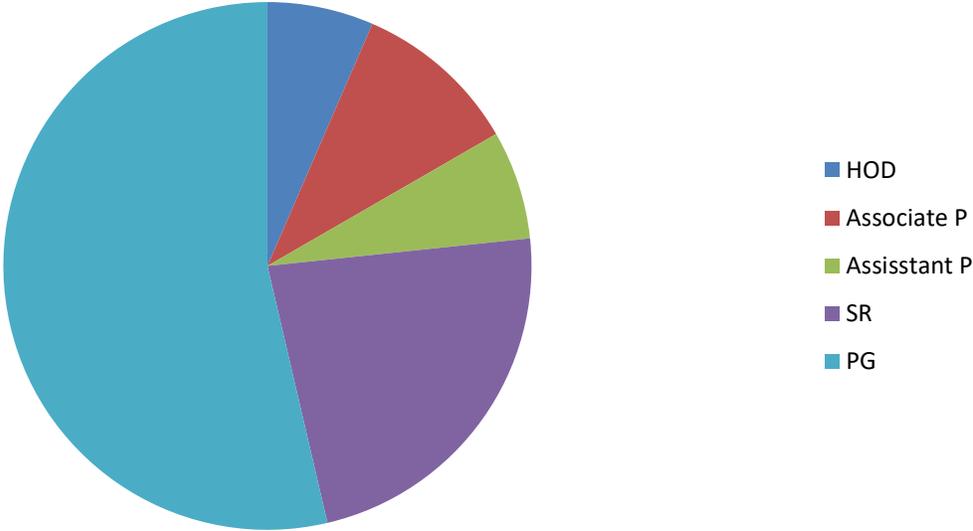
MOT CASES OPERATED BY (2020)

Month	Total	HOD	Associate Prof	Asst. Prof	SR	PGT/HO
January	92	04	13	05	29	41
February	86	10	08	04	17	47
March	63	01	08	04	12	38
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	36	05	05	02	07	17
September	99	07	08	07	25	52
October	103	04	08	12	27	52
November	66	04	08	04	15	43
December	77	06	06	04	13	48

MOT CASES OPERATED BY (2019)

Month	TOTAL	HOD	Asso. Prof	Asst. Prof	SR	PGT	HO
January	167	08	17	00	32	106	4
February	165	07	16	00	31	108	3
March	168	07	13	06	39	101	2
April	166	08	12	08	42	92	4
May	135	08	15	07	45	56	4
June	129	06	20	08	48	45	2
July	145	09	15	08	44	65	4
August	91	05	07	01	21	55	2
September	101	07	08	05	22	56	3
October	102	06	09	05	23	55	4
November	88	05	07	06	20	48	2
December	80	04	07	00	20	47	2

Cases operated by 2020



GENDER WISE DISTRIBUTION (2020)

Month	Total	Male	Female
January	92	44	48
February	86	42	44
March	63	30	33
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	36	12	24
September	99	41	58
October	103	45	58
November	66	40	26
December	77	43	34

GENDER WISE DISTRIBUTION (2019)

Month	Total	Male	Female
January	105	44	71
February	103	47	56
March	116	67	59
April	101	52	49
May	90	51	39
June	95	47	48
July	124	57	67
August	77	34	43
September	122	60	62
October	104	45	49
November	103	47	56
December	72	34	38

DETAILS OF OPERATED CASES

ABDOMINAL SURGERIES	Year 2019	Year 2020
Diagnostic Laparoscopy	03	05
Incisional Hernia repair	27	12
TEP	06	02
Diaphragmatic hernia Repair	44	01
PUH Repair	012	34
Umbilical hernia	125	02
Inguinal hernioplasty	13	53
Inguinal herniotomy & Desarda	07	14
Epigastric hernia repair	00	07
Needle herniotomy	01	2
Pancreaticojejunostomy	01	01
Jejunostomy reversal	03	02
Jaboley's procedure	00	02
Lap Cystectomy	01	01
Median sternotomy	03	0
Rectopexy	02	0
TAPP	01	0
Femoral hernia repair	01	0
Hiatal hernia repair	01	01
LAR	00	0
Whipple procedure	286	0
Lap. Cholecystectomy	24	165
Open cholecystectomy	24	12

Stoma repair	01	00
Exploratory laprotomy & necrosectomy	02	01
Choledochoduodenostomy	14	00
Exploratory Laparotomy	04	11
CBD exploration	00	03
Triple bypass	00	0
Exploration & Biopsy of mass pancreatic region	02	00
Cysto-gastrostomy	01	03
Splenectomy	00	02
Partial Cholecystectomy	01	03
Radical nephrectomy	00	0
Gastro-jejunostomy	02	01
Colostomy	18	02
Ileostomy reversal	03	7
Ileostomy	02	0
Feeding jejunostomy	08	02
Colostomy reversal	00	02
Lap assisted Pan colectomy	02	00
Lap assisted Hemicolectomy	03	00
Ramstad's pyloromyotomy	04	0
Anal fissure- sphincterotomy	12	05
Fistulectomy	03	20

Rectopexy	05	0
Inj Sclerotherapy for rectal prolapse	06	00
Lap Varicocele	05	00
Exploration of RIF mass	01	01
Haemorrhoidectomy	06	08
Band ligation	37	0
Abdominoperineal resection	08	01
Anterior Resection	01	0
Adrenelectomy	01	01
Laparoscopic Heller's Myotomy	01	03
Transhiatalesophagectomy	01	00
Lap Orchidectomy	00	02
Sleeve Gastrectomy	01	00
Rigid Sigmoidoscopy	00	11
Incisional Biopsy		08

BREAST SURGERIES		
	Year 2020	Year 2019
Fibroadenoma excision	11	18
MRM	05	09
MRM & TRAM	0	01
Tru-cut biopsy	08	18
Subcutaneous Mastectomy	03	01

HEAD AND NECK SURGERIES		
	Year 2020	Year 2019
Thyroid Surgery	22	18
Sistrunk Operation	01	09
Tracheostomy	02	01
Lymph node biopsy	10	18
Parotidectomy	06	01
Submandibular gland excision	02	01

THORACIC SURGERIES		
	Year 2020	Year 2019
Thorocotomy	11	04
VATS	02	01
Lobectomy	02	03
Pneumonectomy	01	01
Decortication	07	02
Rib Resection	05	05
Chest tube insertion / readjustment	08	01

VASCULAR SURGERIES		
	Year 2020	Year 2019
Striping & flush ligation	12	25
Hemangioma	00	00
Pseudo-aneurysm ligation	0	00
Injection sclerotherapy	03	00
Ligation	00	00
Thrombectomy	0	01

PAEDIATRIC SURGERIES		
	Year 2020	Year 2019
Radical Nephrectomy	00	00
Ramsted's pyloromyotomy	00	03
Herniotomy	02	02
Ileostomy reversal	00	00
Exploratory laparotomy	00	00
Tongue tie	00	00
Orchidopexy	03	01
Orchidectomy	07	07
Circumcision	38	76
Polypectomy	00	00

PLASTIC SURGERIES		
	Year 2020	Year 2019
Rhomboid Flap	07	13
Z Plasty	00	01
Reconstruction Flap	00	01
SCC excision and flap	01	00
Debridements	10	---
VAC dressings	05	---
Lipoma Excision	13	21
Wide local excision	07	---

ENDOSCOPY ROOM AUDIT 2020

MONTH	UPPER GI ENDOSCOPY	COLONOSCOPY	BRONCHOSCOPY
January	00	02	0
February	0	0	0
March	0	02	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	0	04	0

ENDOSCOPY ROOM AUDIT 2019

MONTH	UPPER GI ENDOSCOPY	COLONOSCOPY	BRONCHOSCOPY
January	02	02	00
February	02	02	00
March	03	04	00
April	01	02	00
May	02	04	00
June	01	03	00
July	02	02	00
August	03	04	00
September	01	03	00
October	02	03	00
November	01	02	00
December	05	02	01

WORKSHOPS REPORT

Annual Resident Research Forum 2020 was well attended by PGTs and Faculty members. Poster presentations, research presentations and case presentations were done by PGTs and Faculty members.





ONGOING PROJECTS

TELEMEDICINE & MDM

Neither a surgeon nor an oncologist alone can treat a cancer patient. It is the multimodality approach involving different specialties including surgery, oncology, pathology, diagnostic radiology, gynecology, psychiatry & nutrition. One of the biggest achievement of the year 2016 was in the field of Telemedicine.

We continued having our liaison with Nuclear Medicine Oncology and Radiotherapy Institute (NORI), Islamabad. We have weekly sessions on every Friday from 8:00AM to 9:00 am. In every session 2-3 cases are discussed regarding their management and further plan. More than 400 patients have been discussed so far. This not only improves patient care and saves the time but also provide a better insight of the disease process. A number of patients have been referred to NORI for Radio-chemotherapy and vice-versa, to SU-I for surgery. Common malignancies discussed were CA Breast, CA thyroid, Skin & Soft tissue tumors and GIT malignancies. Our Future plans are to ensure the involvement of Radiologists and Pathologists in the session.

BREAST CLINIC

It was established in March 2014. The timings are 10 am to 12 pm every Wednesday in OPD Room 39.

Our goals are to develop, implement and promote best practice, patient focused multi-disciplinary breast care, to facilitate the early detection and diagnosis of breast cancer & to monitor breast cancer outcomes through data collection and analysis.

Breast clinic at BBH provides value care for the patients having breast cancer or other breast related issues such as changes in breast skin, nipple discharge, breast infection and breast pain. Patients are examined by very skillful and learned female surgeons Mammography, ultrasound, ultrasound-guided breast biopsy services are available here at very low cost. Tru-cut biopsy facility is available on OPD basis to avoid multiple visits. Weekly MDM sessions are held with NORI (Oncology) for better insight of disease on individual patient basis.

ESTABLISHMENT OF LAPROSCOPIC SKILL LAB

Laparoscopic surgery, also called minimally invasive surgery (MIS), band aid surgery, or keyhole surgery, is a modern surgical technique in which operations are performed far from their location through small incisions (usually 0.5–1.5 cm) elsewhere in the body. Laparoscopic surgery is the demand of recent times so our great Prof Dr Naeem Zia keeping in view this demand put his greatest effort in establishment of laparoscopic skill labs for post graduate trainees of surgical unit I. He advocated a room for it from its renovation till completion of it from all resources of himself without any assistance of hospital funds.

It is great achievement and it is greatly helpful in learning different techniques for trainees as well as improving their expertise for senior registrar of surgical floor.