

# YEAR BOOK 2023



National Institute of Cancer Research & Hospital  
Dhaka, Bangladesh



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# YEAR BOOK 2023



National Institute of Cancer Research & Hospital (NICRH)  
Mohakhali, Dhaka-1212, Bangladesh  
[www.nicrh.gov.bd](http://www.nicrh.gov.bd)

Yearbook 2023  
National Institute of Cancer Research & Hospital (NICRH)

Published in November 2024

Cover Design  
Dr. Md. Johirul Islam  
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Cancer Epidemiology

Published by  
Department of Cancer Epidemiology  
National Institute of Cancer Research & Hospital (NICRH)  
Dhaka, Bangladesh

Printing Courtesy



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# Yearbook 2023

## Acknowledgement

- Dr. Md. Jahangir Kabir, Director, NICRH
- Dr. Md. Kazi Ainul Islam, Deputy Director, NICRH
- Dr. Abu Noman Mohammad Golam Rabbani, Assistant Director (Admin)
- Dr. Abu Hena Mustafa Zaman, Assistant Director (Hospital)

## Special thanks to (not in order of seniority)

- Prof. (Dr.) Md. Nizamul Haque, Ex-Director and Professor of Radiotherapy
- Prof. (Dr.) Rakib Uddin Ahmed, Professor & Head, Radiation Oncology
- Prof. (Dr.) Nazrina Khatun, Professor & Head, Medical Oncology
- Prof. (Dr.) Laila Shirin, Professor & Head, Surgical Oncology
- Prof. (Dr.) Begum Rokeya Anwar, Professor & Head, Gynaecological Oncology
- Prof. (Dr.) Sahana Parveen, Professor, Gynaecological Oncology
- Prof. (Dr.) Kajal Ahsan, Professor & Ex-Head, Cytopathology
- Dr. Farhana Islam, Associate Professor & Head, Transfusion Medicine
- Dr. Farida Arjuman, Associate Professor & Head, Histopathology
- Dr. Ferdousi Begum, Associate Professor & Head, Paediatric Haematology & Oncology
- Dr. S. M. Masud Alam, Associate Professor & Head, Laboratory Medicine
- Dr. Mohammad Ali, Associate Professor & Head, Haematology
- Dr. Md. Murad Chowdhury, Associate Professor & Head, Genito-Urinary Oncology
- Dr. Mushtaque Ahmed Jalali, Associate Professor & Head, Radiology & Imaging
- Dr. Md. Nadimul Hasan, Associate Professor & Head, Dental & FM Surgical Oncology
- Dr. Prasanta Kumar Chakraborty, Associate Professor & Head, Physical Medicine & Rehabilitation
- Dr. Saima Easin, Associate Professor & Head, Microbiology
- Dr. Sufi Hannan Zulfikur Rahman, Associate Professor & Head, Immunology & Molecular Biology
- Dr. Nasrin Sultana, Assistant Professor & Head, Plastic & Reconstructive Surgery
- Dr. Dalia Nasrin, Junior Consultant & Head, Emergency Oncology



*National Institute of Cancer Research & Hospital, Dhaka, Bangladesh*



**Dr. Md. Jahangir Kabir**  
Director (In-Charge)  
NICRH

## Message from the Director

I am thrilled to share with you the exciting news that the National Institute of Cancer Research & Hospital (NICRH) is publishing its first-ever Yearbook for the year 2023. This publication reflects NICRH's steadfast commitment to advancing cancer care in Bangladesh and highlights our dedication to improving the lives of thousands affected by this disease.

As the only tertiary-level government cancer hospital in the country, NICRH provides a comprehensive range of services—from prevention and early detection to treatment and rehabilitation. With 24 specialised departments, we are dedicated to offer accessible and compassionate care to patients from all walks of life. Every day, our team faces challenges, including resource limitations and high demand, yet remains unwavering in their mission to provide the best possible care.

The Yearbook 2023 is a record of our achievements, resilience, and progress, covering our clinical services, research, and community activities. It reflects the collaborative spirit and dedication of all NICRH staff and serves as a source of inspiration for ongoing and future initiatives.

My heartfelt appreciation goes out to all those involved in creating this Yearbook, especially the Department of Cancer Epidemiology, whose efforts brought this project to life. May this publication encourage further advancements in cancer care in our country.

With best regards

Dr. Md. Jahangir Kabir  
Director (In-Charge), NICRH





**Dr. Md. Kazi Ainul Islam**  
Deputy Director  
NICRH

## Message from the Deputy Director

It is my pleasure to know that the National Institute of Cancer Research & Hospital (NICRH) is publishing its first ever Yearbook which marks a significant milestone in our institution's journey to advance cancer care in Bangladesh. This Yearbook reflects NICRH's dedication to delivering comprehensive cancer services—from early detection and prevention to treatment and rehabilitation—serving thousands of patients every day.

As Bangladesh's only tertiary-level government cancer hospital, NICRH is uniquely positioned to lead in cancer treatment and research. Despite challenges such as resource constraints, our 24 specialised departments work diligently to provide quality care, offering hope and support to individuals and families impacted by cancer.

I extend my sincere appreciation to all those who contributed to making this Yearbook possible. May it serve as a source of inspiration and commitment to achieving a healthier future for all.

With best wishes

Dr. Md. Kazi Ainul Islam  
Deputy Director, NICRH





**Dr. Abu Noman Mohammad Golam Rabbani**  
Assistant Director (Admin)  
NICRH

## Message from the Assistant Director (Admin)

I am pleased to contribute a message for the inaugural National Institute of Cancer Research & Hospital (NICRH) Yearbook 2023. This publication is a testament to NICRH's enduring commitment to providing exceptional cancer care and supporting the people of Bangladesh in their journey to better health.

NICRH plays an essential role not only in treatment but also in cancer awareness, research, and community outreach. Our administrative team works closely with clinical departments to overcome resource and operational challenges, ensuring smooth and effective delivery of services across our hospital. The Yearbook highlights these achievements and the collective efforts that drive NICRH forward.

I extend heartfelt thanks to all who contributed to this Yearbook, particularly the Department of Cancer Epidemiology, for documenting our shared goals and progress. May this initiative encourage further dedication and collaboration in our mission to enhance cancer care.

With best regards

Dr. Abu Noman Mohammad Golam Rabbani  
Assistant Director (Admin), NICRH



**Dr. Abu Hena Mostofa Zaman**  
Assistant Director (Hospital)  
NICRH

## Message from the Assistant Director (Hospital)

It is a great honour to share my thoughts in the first-ever National Institute of Cancer Research & Hospital (NICRH) Yearbook 2023. This publication represents NICRH's dedication to serving the people of Bangladesh with quality cancer care and reflects our relentless commitment to excellence in healthcare.

As the country's only tertiary-level government cancer hospital, NICRH stands as a pillar of support for countless patients and their families. Despite challenges, our clinical teams in 24 specialised departments continue to push boundaries, delivering essential services from early detection and treatment to rehabilitation. This Yearbook serves as a record of our hospital's achievements, resilience, and dedication to improving lives.

I express my gratitude to everyone involved in making this Yearbook a reality. May it inspire us to further elevate our standards of care and move forward together toward a brighter future.

With best regards

Dr. Abu Hena Mustafa Zaman  
Assistant Director (Hospital), NICRH



**Dr. Md. Johirul Islam**  
Associate Professor & Head  
Cancer Epidemiology  
& Editor  
NICRH Yearbook 2023

## Message from the Editor

With great pleasure, I present to you the National Institute of Cancer Research & Hospital (NICRH) Yearbook 2023. As the editor of this inaugural publication, it has been an honour to compile and present the achievements, challenges, and progress of NICRH over the past year.

This Yearbook stands as a testament to NICRH's unwavering dedication to providing comprehensive cancer care services to the people of Bangladesh. Within its pages, you will find insights into the pioneering work of NICRH.

Let us not forget that the country's first Hospital- Based Cancer Registry (HBCR) is regularly published from NICRH. The extensive work for the 2021-2023 HBCR report is underway and will be published soon. In addition to highlighting NICRH's achievements, this Yearbook also sheds light on the collaborative efforts of healthcare professionals, researchers, and policymakers dedicated to advancing cancer care in our country.

I express my deepest gratitude to the entire NICRH team for their dedication and hard work in making this Yearbook a reality. Your commitment to excellence is evident in every page, and I am confident that this publication will serve as a valuable resource for policymakers, healthcare professionals, researchers, journalists and the general public.

As we reflect on the accomplishments of NICRH in 2023, let us renew our commitment to the fight against cancer and strive towards a healthier future for all.

I would like to express my deepest gratitude to our former Director, Prof. Dr. Md. Nizamul Haque, for his unwavering and constant support. His guidance has been invaluable to me. I am also profoundly grateful to our respected new Director, Dr. Md. Jahangir Kabir, for his unconditional support and encouragement in making this achievement possible, especially amidst the challenging time constraints. I am deeply indebted to both of them for their leadership and dedication.

Last but not least, I would like to extend my heartfelt thanks to Dr. Rumana Dowla, Head of the Medical Services Department at ACI Pharmaceuticals, for her tremendous support. Without her, this venture would not have been successful.

With my best wishes and sincere appreciation.

Dr. Md. Johirul Islam  
Associate Professor & Head  
Cancer Epidemiology  
& Editor  
NICRH Yearbook 2023

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# BRIEF HISTORY OF NICRH

[www.nicrh.gov.bd](http://www.nicrh.gov.bd)

National Institute of Cancer Research & Hospital (NICRH) offers an energetic and dynamic environment and staffed by well trained professionals dedicated to cancer patient management, education, and research. This is the only tertiary level centre of the country engaged in multidisciplinary cancer patient management.

It started its activity in a tin-shade building of Dhaka Medical College Hospital 1982, soon it is shifted to the present location at Mohakhali in 1986. According to a Memorandum of Understanding signed between Ministry of Health and Rotary Club of Dhaka the latter built the Rotary Cancer Detection Unit (RCDU) and the Cancer Institute started working as an outdoor cancer detection unit only. In 1991, 50 bed indoor facilities incorporated. In 1994 the cancer institute renamed as National Institute of Cancer Research & Hospital (NICRH) and first radiation treatment was applied to a patient in 1995 with a Cobalt 60 Teletherapy machine.

With provision of support from the Saudi Fund for Development (SFD) the up gradation works of this Institute to 300 bedded Centre has been completed. In 2015 it became a 300-bed hospital while from 2018 it is upgraded to a 500-bed facility.

# Administration

## Significant Achievements of the Administrative and Accounting Sections of NICRH (2023)

1. The tender process to purchase two advanced Linear Accelerator machines for providing radiotherapy treatment to cancer patients has been completed. Currently, installing is underway
2. Construction of a new bunker to lodge a new Linear Accelerator machine is nearly finished
3. A new Brachytherapy machine has been commissioned
4. The X-ray machine is actively serving patients following its successful installation
5. An advanced Endoscopy machine is in operation for conducting patient endoscopies and ERCP procedures
6. Four fully equipped operation theatres are functioning smoothly to enhance surgical capabilities for cancer patients
7. The Bone Marrow Treatment (BMT) unit in the hospital is nearing completion for inauguration
8. A new generator is providing power support to the "D" block building
9. Automation is in place for receipts related to user fees, OPD visits, and patient registrations. Remaining procedures will also be automated soon
10. Work to set up 2nd lift for patients and their attendants in the "D" block has started
11. 'One Stop' services for pathological investigations, consisting of six rooms, are prepared for launch
12. The "Tumor Board" facility has been significantly expanded, with increased allocation for medicine procurement to alleviate patient financial burdens
13. The tender process for MSR (Medical Surgical Requisites) for 2023-24 and contracts with outsourced workers for extended periods have been finalized
14. Architectural repairs and electrical facilities are undergoing continuous improvement under appropriate supervision
15. Ticket counters have been updated, and two new counters are nearing completion for opening
16. Detailed planning for a 500-bed hospital to address the manpower shortage is underway with the support of the Health Secretary and the Ministry of Health and Family Planning



## Objectives

- To provide quality cancer treatment
- To make a centre of excellence in the country
- To carry out research and disseminate the knowledge and findings
- To establish a nationwide cancer registry system
- To take necessary steps for cancer prevention and control

## Activities

- All diagnostic activities- for cancer detection
- All kinds of treatments- surgery, radiotherapy, chemotherapy etc.
- Hospital Based Cancer Registry
- It has formulated National Guidelines for high- quality, cost- effective cancer treatment plan for 4 common cancers of our country
- Different training programs- for health professionals –histopathologists, gynaecologists, nurses, technologists, community leaders etc.
- Organizing tobacco prevention & cessation programmes in the community
- Participation in national activities- such as observance of World Cancer Day, World Paediatric Cancer Day, No Tobacco Day, Breast & Cervical cancer awareness month and chalking out of special Breast Cancer Screening Campaign in the victory month of December from 2015
- Telemedicine services
- Publication of NICRH journal
- Palliative care services
- Academic activities



**Total Hospital Area**



**7.89  
Acre**



Table 1: Name and designation of the administrative personnel of the hospital





Sl. No.	Name & Designation	Picture
01	Dr. Md. Jahangir Kabir Director	
02	Dr. Md. Kazi Ainul Islam Deputy Director	
03	Dr. Abu Noman Mohammad Golam Rabbani Assistant Director (Admin)	
04	Dr. Abu Hena Mustafa Zaman Assistant Director (Hospital)	

Table 2: Manpower statement in 2023 (sanctioned and proposed post) \*

Category	Sanctioned post	Vacant post	Proposed post
Class I	248	49	453
Class II	08	03	15
Nursing officers	599	33	231
Class III	149	60	406
Class IV	183	81	561
Total	1187	226	1666

\*Attached officers are not included in the list

Table 3: Bed distribution at NICRH (2023)

Category	No. of beds
Non-paying	200
Paying	256
Cabin	30
Total	486

**Table 4: List of existing motor vehicles (2023)**

Type	Existing vehicles	Remarks
Ambulance	01	Serviceable
Microbus	00	-
Jeep	00	-
Bus	00	-

**Table 5: Revenue collection at NICRH (2023)**

Month	Amount (BDT)
January	7771395.28
February	6697643.07
March	7737453.32
April	5632469.32
May	6865651.26
June	6149183.20
July	7807168.17
August	7745116.26
September	7044403.27
October	8966039.45
November	9049700.96
December	8025654.90
<b>Total</b>	<b>89491878.46</b>

**Table 6: Departments at NICRH (2023)**

Sl. No.	Name of the departments	Unit
1	Department of Radiation Oncology	3
2	Department of Medical Oncology	1
3	Department of Surgical Oncology	4
4	Department of Gynaecological Oncology	2
5	Department of Cancer Epidemiology & MIS	1
6	Department of Haematology	1
7	Department of Paediatric Haematology & Oncology	1
8	Department of Radiology & Imaging	1
9	Department of Histopathology	1
10	Department of Cytopathology	1
11	Department of Laboratory Medicine	1

SI No.	Name of the departments	Unit
12	Department of Microbiology	1
13	Department of Immunology and Molecular Biology	1
14	Department of Blood Transfusion Medicine	1
15	Department of ENT Oncology	1
16	Department of Dental and Faciomaxillary Surgical Oncology	1
17	Department of Plastic and Reconstructive Surgical Oncology	1
18	Department of Orthopaedic Surgical Oncology	1
19	Department of Genito-urinary Surgical Oncology	1
20	Department of Anaesthesiology	1
21	Department of Physical Medicine & Rehabilitation	1
22	Department of Psychotherapy	1
23	Department of Emergency Oncology	1
24	Department of Palliative Care	1

**Table 7: Patient statement of NICRH (2023)**

Month	Outpatient	Inpatient	Emergency	Total
January	10537	1919	895	13351
February	9870	1566	930	12366
March	8966	1868	1009	11843
April	8668	1161	873	10702
May	11161	2036	997	14194
June	7424	1301	749	9474
July	13833	2053	1171	17057
August	11651	1267	1079	13997
September	9643	2667	788	13098
October	10625	1902	863	13390
November	7940	1885	880	10705
December	7388	1830	1007	10225

**Table 8: Bed Occupancy Rate in 2023**

Month	BOR
January	89.6
February	88.4
March	90.6
April	76.6
May	87.4
June	81.4
July	87
August	90.7
September	89.8
October	91.2
November	93.8
December	88.9

**Table 9: Operation statement in 2023**

Month	Major operation	Minor operation	Total
January	148	62	210
February	118	91	209
March	143	76	219
April	218	30	248
May	244	42	286
June	213	30	243
July	223	33	256
August	238	30	268
September	186	43	229
October	271	30	301
November	255	23	278
December	220	32	252

Table 10: Major investigations done at NICRH (2023)

Month	CT scan	CT guided procedure	Histopathology	Cytopathology	USG	X-ray	Endoscopy	Tumour marker	Lab investigations	Colposcopy	Colonoscopy	FOL	Bone marrow study	IHC	Frozen Sections
January	516	38	362	175	1600	-	-	1074	9763	40	-	60	101	68	27
February	384	48	367	187	1300	-	-	1059	8420	54	-	45	72	58	22
March	400	45	415	168	1500	-	-	1253	8829	42	-	50	101	91	22
April	300	09	275	77	1000	-	-	428	6743	10	-	51	70	52	19
May	429	41	421	124	1400	-	-	890	10156	18	-	40	93	78	35
June	471	25	368	140	1100	-	30	556	8506	27	18	50	77	40	36
July	424	27	399	109	1300	-	34	1248	10901	32	31	50	70	00	34
August	460	01	448	152	1600	-	36	1336	11119	42	50	60	98	00	33
September	387	0	478	160	1400	-	-	1180	9809	23	-	55	77	17	22
October	460	0	411	213	1300	824	34	1220	10193	40	46	50	75	54	20
November	468	0	527	177	1400	622	35	1278	10337	39	41	65	71	54	21
December	361	0	372	147	1400	39	43	1326	11571	30	25	40	83	18	16
<b>Total</b>	<b>5060</b>	<b>234</b>	<b>4843</b>	<b>1829</b>	<b>16300</b>	<b>1485</b>	<b>112</b>	<b>12848</b>	<b>11634</b>	<b>397</b>	<b>112</b>	<b>616</b>	<b>988</b>	<b>530</b>	<b>307</b>

## Department of Anaesthesia and ICU

The Department of Anaesthesia is one of the most critical departments at NICRH. NICRH stands as the sole national-level hospital in our country dedicated to cancer patients, attracting a multitude of critical patients nationwide. Consequently, managing patient load poses significant challenges for both anaesthesia and surgery. The anaesthesia team, surgical team, SSNs, and all other supporting staff are acutely aware of these challenges. In terms of patient load management, the turning point came on July 3, 2023. From that day onward, under the dynamic leadership of our honourable Director General of Health Services, Prof. (Dr.) Abul Bashar Mohammad Khurshed Alam, and the Director of NICRH, Prof. (Dr.) Nizamul Hoque, we have added two new operation theatres, supplementing the existing four OTs.

Activities of Department of Anaesthesia includes-

- Giving Anaesthesia in Operation Theatre.
- Pre-Anaesthesia check-up (PAC).
- Supervision and optimization of post-operative patients in POW.
- Provide Anaesthesia for various procedures in specified areas of NICRH like Radiotherapy, ERCP etc.
- Establish Central Venous Canulation, Difficult Intravenous Canulation, Naso-gastric tube (NGT) insertion as per referral from both Surgical and Medical Departments of NICRH.
- Anaesthesia for emergency surgical procedures (if needed) round the clock by special arrangement.
- Anaesthesia related expert opinion for referred cases.

### Department of Anaesthesia:

#### Doctor: 13

- Associate Professor- 1
- Assistant Professor- 2
- Junior Consultant- 2
- Anaesthesiologist- 8








#### Senior Staff Nurse (SSN):

- Operation Theatre- 25
- Post Operative Ward - 11
- Pre-Anaesthesia Check-up - 02





#### Supporting Staff: 15

Operation Theatre (OT): Total 8

Post-Operative Bed: Total 14

Sl. No.	Name & Designation	Picture
01	Dr. Md. Aminur Rahman Associate Professor & Head	
02	Dr. Md. Liaquatunnoor Assistant Professor	
03	Dr. Mominur Rahman Junior Consultant	
04	Dr. Zobaer Tanha Junior Consultant	
05	Dr. Afroza Akhter Anaesthesiologist	
06	Dr. Abdullah Al Motin Anaesthesiologist	
07	Dr. Maksuda Sharmin Anaesthesiologist	
08	Dr. Chandra Barmon Anaesthesiologist	



Sl. No.	Name & Designation	Picture
09	Dr. Susmita Sarker Anaesthesiologist	
10	Dr. Md. Moshraf Hossain Anaesthesiologist	
11	Dr. Md Sayed Ali Anaesthesiologist	
12	Dr. Tasneem Hossain Anaesthesiologist	

#### Total Number of Anaesthesia performed with different Surgical Unit in 2023

Unit	GA	RA	LA	Total
Gastro-Intestinal Unit (GIT)	352	49	20	421
Hepatobiliary& Soft Tissue Sarcoma Unit (HB&STS)	107	123	23	253
Breast Unit	512	00	47	559
Gynae-Oncology Unit-1(GOU-1)	174	170	24	368
Gynae-Oncology Unit-2(GOU-2)	276	125	15	416
Plastic Surgery Oncology Unit (PSOU)	71	45	46	162
Faciomaxillary Surgery Unit (FMSOU)	85	00	55	140
ENT Unit	168	00	98	266
Orthopaedic Surgery Unit	91	132	12	235
Urology Unit	18	251	44	313
Radiotherapy	06	-	-	06
Total	1860	772	384	3016

GA General Anaesthesia; RA Regional Anaesthesia; LA Local Anaesthesia

### Total Number of Anaesthesia performed as Monthly basis in 2023

Month	GA	RA	LA	Total
January	148	59	38	245
February	118	91	23	232
March	143	76	40	259
April	143	75	30	248
May	178	70	42	290
June	147	66	30	243
July	148	75	33	256
August	163	75	30	268
September	158	82	30	270
October	183	88	30	301
November	169	86	23	278
December	166	54	32	252
Total	1860	897	381	3138

GA General Anaesthesia; RA Regional Anaesthesia; LA Local Anaesthesia

## Cancer Epidemiology Department

The Department of Cancer Epidemiology at the National Institute of Cancer Research and Hospital (NICRH) has been a cornerstone in the country's fight against cancer since its inception. Being one of the first departments established at the hospital, its primary goal has been to augment the overall management of cancer patients by promoting awareness, prevention, and rehabilitation efforts.

Since its establishment, the department has been proactive in organizing various activities aimed at raising awareness about cancer and its prevention. These include rallies, symposia, workshops, seminars, and training sessions on epidemiology and research methodology. By engaging with both healthcare professionals and the public, the department strives to disseminate crucial information regarding cancer prevention and early detection strategies.

One of the notable contributions of the department is the initiation of the country's first hospital-based cancer registry at NICRH in 2005. This registry serves as a vital resource for tracking cancer incidence and prevalence trends, thereby informing healthcare policies and interventions. Additionally, the department has played a pivotal role in the development and launch of the hospital's inaugural website, providing a platform for disseminating information and resources related to cancer care and research.

A key aspect of the department's activities is the regular collection and upload of data to the District Health Information System 2 (DHIS2), ensuring that accurate and up-to-date information is available for healthcare planning and decision-making. Moreover, the department manages data related to the underlying causes of death (MCCOD), further enhancing the understanding of cancer epidemiology and its impact on public health.

In 2014, the department initiated a unique program called "Cancer Jiggasha" aimed at raising awareness among the populace about cancer, with a particular focus on preventive measures. This program serves as an interactive platform for educating communities and dispelling myths surrounding cancer.

Another significant achievement of the department is the establishment of a modern record room for archiving cancer data. This facility ensures the safe storage and accessibility of vital information for research and clinical purposes. Furthermore, the department actively engages students pursuing MD, MS, and FCPS courses, as well as those from other institutes and hospitals, providing them with hands-on experience and exposure to cancer epidemiology and research.

Despite facing challenges such as manpower shortages, the department remains steadfast in its commitment to making a positive impact in the fight against cancer. Through its dedicated efforts and innovative initiatives, the Department of Cancer Epidemiology continues to be at the forefront of cancer control and prevention efforts in Bangladesh.



## Department of Cancer Epidemiology

Sl. No.	Name & Designation	Picture
01	Dr. Md. Johirul Islam Associate Professor & Head	
02	Dr. Nousheen Laila Research Assistant	
03	Dr. Shuvra Devnath Research Assistant	
04	Dr. Sirajum Monira Medical Officer	
05	Most. Shirin Sultana Computer Operator	
06	Md. Rakib Uddin Office Assistant cum Computer Operator	
07	SM Ashikur Rahman Data Entry Operator	
08	Md. Shafiqul Islam Interviewer	
09	Shamima Yasmin Senior Staff Nurse	

## MIS department

Sl. No.	Name & Designation	Picture
01	Dr. Nazma Azim Programmer	
02	Munshi Mohiuddin Assistant Programmer	
03	Mst. Shirina Khatun Senior Staff Nurse	
04	Shanjida Khatun Senior Staff Nurse	
05	Laxmi Baroi Senior Staff Nurse	
06	Faruk Hossain Senior Staff Nurse	
07	S. M. Hafizul Haque Data Entry Supervisor	

## Regular Activities

1. Data collection from cancer patients
2. Data managements and analysis
3. Preparation of HBCR (Hospital based cancer registry) & functioned as a focal point for the activities of extending Hospital Cancer Registry to all old govt. Medical Colleges and specialized cancer centers of the country.
4. Research
5. Teaching/Training
6. CME
7. Cancer prevention and awareness campaign
8. Administrative

## Facilities

1. Trained personnel for running and development of existing Cancer Registry
2. Research consultation
3. Well-equipped computer lab for data entry, storage, retrieve and analysis of cancer data.
4. Modern record room

The Cancer Jiggasha Programme at NICRH is an initiative aimed at raising awareness about cancer prevention, early detection and treatment. It helps empower individuals with knowledge about cancer and its prevention and management.

Number of participants of Cancer Jiggasha Programme (2023)			
Months	Male	Female	Child
January	157	225	18
February	103	203	24
March	203	167	24
April	158	165	34
May	114	188	23
June	159	210	14
July	143	177	12
August	175	182	22
September	107	176	13
October	164	204	21
November	165	177	12
December	184	183	13

2. Breast Cancer Screening Programme was organized during the whole month of october, 2023 under the cancer epidemiology department.

No of patient	Mean age	Marital status	Occupation	family history	Findings	Advice
288	34.86	Married (88%)	Household (60%) Service holder (28.2%)	Positive (14%)	Normal Palpable (19.7%)	USG -59.7% USG & FNAC- 2.6% FNAC-1.7%



3. Telemedicine Services to the cancer patients of upazila and districts level hospitals and other hospitals.

### Academic activities

1. Regular active participation in CME.
2. Taking regular classes (18 classes) of students from NICRH and from different hospitals and institutes.
3. Number of protocols reviewed for IRB: 80

### The Following Tasks are Performed in the MIS

1. Biometric Attendance
2. Human Resource Information System (HRIS)
3. Individualized Data Entry -
  - MCCoD -Death Data
  - Hospital Indoor Information-Admission and Discharge Data
4. Aggregated Data Entry-
  - Daily OPD, Emergency and Admission Data Set
  - Monthly Hospital Bed Statement
  - Monthly HMC Meeting
  - Monthly Hospital Service and User Fee
  - Monthly Oxygen Management Report
  - Monthly Major Equipment Information
  - Telemedicine Report



Visit by Uttara Adhunik Medical College students on 18 June 2023



Representing Bangladesh in the Workshop for Implementing the South-East Asia Regional NCD Roadmap 2022-2030 on 12-15 June 2023 at Hotel Pan pacific Sonargaon, Dhaka





Rally to observe World No Tobacco Day 2023 at NICRH



Rally to observe National Health and Welfare Day 2023 at NICRH



# Cytopathology Department

Brief overview: Cytopathology is a branch of pathology that studies and diagnoses at cellular level. The Department of Cytopathology helps to investigate diseases involving a wide range of body sites. It helps in diagnosis of cancers, diagnosis of some infections, inflammatory conditions and screening for precancerous conditions.

## Activities

1. Normal FNAC, USG guided FNAC and CT guided FNAC
2. Fluid cytology and cervical smear cytology
3. Slides review (Referred to NICRH from different hospitals and Institutes)
4. Active participation in research and quality improvement activities conferences, academic session and slides discussion.
5. Training and teaching of medical technologists
6. Free campaign for screening and detection of breast cancer (yearly)

## Achievements

1. Early detection of cancer within short time for proper management
2. Assurance of quality service
3. Development of skill in various technical fields.

Sl. No.	Name & Designation	Picture
01	Dr. Kajal Ahsan Associate Professor & Head of the Department	
02	Dr. Farzana Fardousi Assistant Professor	
03	Dr. Jerin Rosal Lecturer	
04	Saima Morshed Medical Technologist (lab)	
05	Kamal Kanti Biswas Medical Technologist (lab)	
06	Mohammad Giash Uddin Computer Operator	
07	Hosne Ara MLSS	

### Clinical activities: Number of Procedures done

Particulars	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Normal FNAC	19	14	18	10	16	18	14	17	16	17	24	18	201
USG guided FNAC	53	70	40	19	24	42	23	38	42	85	66	40	542
CT guided FNAC	7	7	12	5	10	11	5	0	0	0	0	0	57
Slide Review	3	2	3	3	3	4	3	1	6	5	5	7	45
<b>Total of FNAC</b>	<b>82</b>	<b>93</b>	<b>73</b>	<b>37</b>	<b>53</b>	<b>75</b>	<b>45</b>	<b>56</b>	<b>64</b>	<b>107</b>	<b>95</b>	<b>65</b>	<b>845</b>
Cervical smear Cytology	75	77	70	28	41	45	51	74	80	82	65	68	756
Vault smear	3	5	5	6	5	3	3	4	2	6	1	1	44
Ascitic fluid	8	5	10	2	10	2	2	4	4	4	4	2	57
Urine Cytology	0	0	0	0	0	0	0	1	0	0	0	0	1
Peritoneal Fluid	6	6	8	4	15	14	7	12	10	13	12	10	117
Scrapping	0	0	0	0	0	0	0	1	0	0	0	0	1
Nipple Discharge	1	1	2	0	0	1	1	0	0	1	0	1	8
<b>Total of Cytology</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>40</b>	<b>71</b>	<b>65</b>	<b>64</b>	<b>96</b>	<b>96</b>	<b>106</b>	<b>82</b>	<b>82</b>	<b>984</b>
<b>Grand total of FNAC &amp; Cytology</b>	<b>175</b>	<b>187</b>	<b>168</b>	<b>77</b>	<b>124</b>	<b>140</b>	<b>109</b>	<b>152</b>	<b>160</b>	<b>213</b>	<b>177</b>	<b>147</b>	<b>1829</b>

### Academic Activities

**CME:** Regular active participation on CME

**Classes:** Taking regular classes of technologists (Diploma, BSC) coming from different institutes.

**Exams:** Conducting exams on completion of training.

**Workshops:** Attending different workshops organized by various departments of NICRH and national, international organizations.

## Dental & Faciomaxillary Surgical Oncology

Sl. No.	Name & Designation	Picture
01	Dr. Md. Nadimul Hasan Associate Professor & Head of the Department	
02	Dr. Md. Nazmul Hasan Khandker Assistant Professor	
03	Dr. Aminul Haque Assistant Professor	
04	Dr. Syed Mohammad Mos-Hab Ali Medical Officer	
05	Dr. Yeasmin Jahan Afroze Assistant Registrar	
06	Dr. Pulok Baidya Assistant Registrar	
07	Ms. Elisium Tora Dhali Senior Staff Nurse	
08	Ms. Ahana Bishwas Senior Staff Nurse	

Sl. No.	Name & Designation	Picture
09	Mst. Nusrat Jahan Senior Staff Nurse	
10	Md. Moniruzzaman Medical Technologist (Dental)	
11	A.K.M. Amanullah Medical Technologist (Dental)	
12	Afrin Zaman Medical Technologist (Dental)	
13	Md. Mizan Soardar Ward Boy	
14	Ms. Peyara begum MLSS	



**Minor OT Procedure**  
**Department: Dental & Faciomaxillary Surgical Oncology**

Month	Dressing	Biopsy	Extraction	Minor procedure	Total
January	71	05	05	03	84
February	41	05	05	06	57
March	34	13	03	04	54
April	21	07	02	02	32
May	22	08	01	02	33
June	13	03	00	02	18
July	21	09	01	01	32
August	25	13	02	02	42
September	18	06	01	02	27
October	18	07	00	03	28
November	11	11	01	03	26
December	22	05	02	04	33
Total	317	92	23	34	433

**Department: Dental & Faciomaxillary Surgical Oncology**

Month	Male	Female	Total
January	46	53	99
February	52	70	122
March	45	75	120
April	45	58	103
May	60	75	135
June	42	63	105
July	60	82	142
August	63	77	140
September	46	62	108
October	58	98	156
November	55	66	121
December	61	75	136
Total	633	854	1487



**Surgery**  
**Department: Dental & Faciomaxillary Surgical Oncology**

Month	Surgery under general anesthesia	Surgery under local anesthesia	Total
January	07	03	10
February	07	02	09
March	07	06	13
April	06	01	07
May	06	01	16
June	07	05	12
July	06	01	07
August	09	03	12
September	14	07	21
October	08	02	10
November	08	07	15
December	06	07	13
Total	91	52	132

**Number of patients attended to OPD**  
**Department: Dental & FacioMaxillary Surgical Oncology**

Month	New Patients		Total	Old Patients		Total
	Male	Female		Male	Female	
January	40	60	100	67	68	135
February	68	80	148	66	81	147
March	60	87	147	84	95	179
April	58	61	119	50	82	132
May	67	94	161	91	95	186
June	48	60	108	51	64	115
July	76	87	163	71	96	167
August	67	82	149	75	117	192
September	53	75	128	50	75	125
October	52	73	125	42	80	122
November	63	72	125	50	64	124
December	64	71	135	65	74	139
Total	716	902		762	991	
Grand Total	1618			1753		

Number of patients attended to OPD  
Department: Dental & FacioMaxillary Surgical Oncology

Month	Male		Total	Female		Total
	W-3	W-6		W-1	W-7	
January	02	03	05	02	01	03
February	02	01	03	02	02	04
March	02	01	03	02	01	03
April	01	01	02	07	01	08
May	02	01	03	02	01	03
June	01	01	02	02	01	03
July	02	01	03	02	03	05
August	04	02	06	04	01	05
September	02	01	02	03	01	04
October	05	03	08	02	03	05
November	02	01	03	05	Nil	05
December	03	04	07	04	02	06
Total	47			54		

## Department of Emergency Oncology

Sl. No.	Name & Designation	Picture
01	Dr. Dalia Nasrin Junior Consultant	
02	Dr. Abdullah Medical Officer	
03	Dr. Abu Taher Md. Russel Medical Officer	
04	Dr. Hasan Md Kawsar Medical Officer	
05	Dr. Ashfeka Gini Medical Officer	
06	Dr. Mahmudul Hasan Medical Officer	
07	Dr. Nuzhat Tasnim Medical Officer	

Emergency Department (2023)														
Month	Total patients attended in Emergency				Patients observed	Patients admitted	Death				Biopsy OT		Gynae Dept	
		Category					Total	M	F	C	Minor OT	Biopsy	Secondary closure	Others
		M	F	C										
January	760	378	360	22	90		11	06	04	01	81	Core-61 Exci-07 Wedge-13 other-0	01	
February	795	400	366	29	90		09	05	04		78	Core-57 Exci-10 Wedge-10 A.canal-01	05	
March	902	434	415	53	95		09	04	05		103	Core-80 Exci-15 Wed-08	07	
April	714	315	324	75	92	14	09	05	04		70	Core-55 Exci-10 Wed-04 A. canal-	02	01
May	832	433	346	53	95	15	14	07	06	01	98	Core-74 Exci-15 Wed-09	01	
June	715	378	288	59	80	05	10	08	02		118	Core-90 Exci-09 Wed-18 Anal canal-01	04	
July	906	424	404	78	115		11	06	05		110	Core-95 Exci- 16 Wed- 11 A. canal-03	02	
August	898	445	388	65	115	06	21	09	09	03	120	Core-97 Exci-10 wed-11 A.canal-03	04	01
September	788	376	350	62	91	06	20	12	05	03	95	Core-70 Exci-10 Wed-13 A.Canal-02	02	
October	863	400	380	83	103	07	18	09	08	01	122	Core-95 Exci-16 Wed-06 Anal canal-05	03	
November	880	427	350	103	120	10	18	10	07	01	95	Core-68 Ex-21 In-06 A/C-0	-	-
December	1007	477	460	70	101	11	11	05	06	00	75	Core-58 Ex-12 In-04 A/C-01	04	-
Grand total	10062				1187	74	161	86	65	10	1165	Core-895 Ex-142 In-113 A/C-15	35	02




Total bed in emergency: Male bed: 06; Female bed: 06

## ENT Oncology



### List of members

Sl. No.	Name & Designation	Picture
01	Dr. Md. Mostafizur Rahman Associate Professor and Head of the Department	
02	Dr. Md Abdul Karim Assistant Professor	
03	Dr. Md. Tariqul Islam Assistant Professor	
04	Dr. Prodip Kumar Chowdhury Resident Surgeon	
05	Dr. Md. Nazmul Hasan Assistant Registrar	
06	Dr. Md. Rakibus Saleheen Registrar	
07	Dr. Shirin Akhter Medical Officer (OPD)	

### List of Senior Staff Nurse

Sl. No.	Name & Designation	Picture
01	Joytun Nesa SSN	
02	Joyanti Gregory SSN	
03	Sania Begum SSN	

### List of MLSS

Sl. No.	Name & Designation	Picture
01	Md. Shamim Bhuyia MLSS	
02	Md. Emon Outsourcing	

### Clinical Activities

#### A) Procedures:

Major surgery: 225

Minor surgery: 140

#### B) OPD Services:

Male: 5089

Female: 1987

Total: 7076

### Academic Activities in Department

Activities	Number	Remarks
CME	03	
Grand round	10	
Workshops	None	
Exams	None	

### CME

SI No	Topics	Presenter
Februray (25.02.2023)	Recurrent Papillary carcinoma of thyroid	Dr. Tariqul Islam
May (08.05.2023)	Updates Of Management Of Thyroid cancer	Dr. Abdul Karim Mithu
November (11.11.2023)	Breaking Bad news	Dr. Nazmul Hasan

### Death Review: None Research & Publication

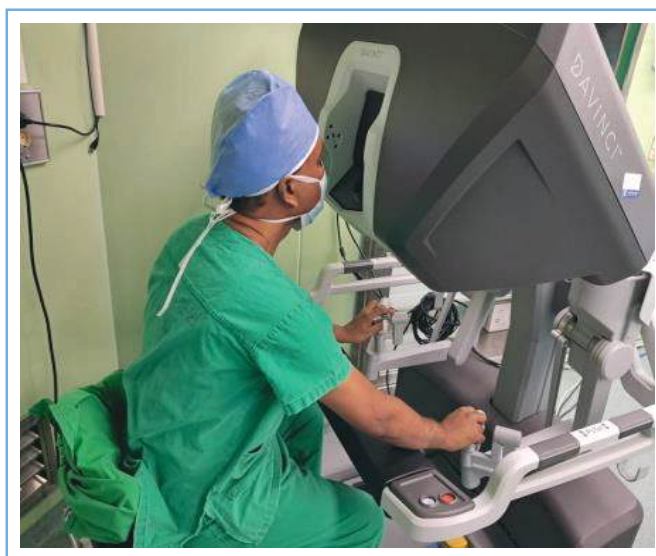
SI No	Title	Name	Type of article	References	Remarks
1.	Frequency of human papilloma virus in oropharyngeal carcinoma at tertiary level hospital in bangladesh	Dr. Abdul Karim Mithu	Main	10.33545/27068919.2020.v2.i3k.293	



Dr. Abdul Karim (Mithu) participated in 1. 6th International Endocrine Conference Bangladesh 23-24 November 2023 and 2. Dhaka Cancer summit on 8 September 2023.



Dr. Md. Tariqul Islam took part in a Training titled "Observership Training on Robotic and Endoscopic Thyroid Surgery" at Hanyang University Hospital, South Korea from 06.11.2023-24.11.2023













## Other Activities: First time Endoscopic Thyroidectomy at NICRH



### FOL test list (2023)




SI No	Month	Number of FOL test
1	January	60
2	February	45
3	March	50
4	April	51
5	May	40
6	June	50
7	July	50
8	August	60
9	September	55
10	October	50
11	November	65
12	December	40
		<b>Total =616</b>

## Genito Urinary Oncology

Sl. No.	Name & Designation	Picture
01	Dr. Md. Murad Chowdhury Associate Professor and Head of the Department	
02	Dr. Md. Siddiquir Rahman Assistant Professor	
03	Dr. Md. Monowarul Islam Assistant Professor	
04	Dr. Sk. Amirul Islam Registrar	
05	Dr. Munshi Akid Mostofa Assistant Registrar	
06	Dr. Mahmudul Hasan Masum Assistant Registrar	
07	Dr. Md Mozaharul Islam Medical Officer	
08	Dr. Md. Ekramul Haque Joarder Medical Officer	

Sl. No.	Name & Designation	Picture
09	Dr. Nazrin Parvin Medical Officer	

#### B. Name and Designation of other staffs

Serial	Name & Designation	Picture
01	Afsana Mimi Senior staff nurse	
02	Asma Khatun Staff nurse	
03	S M Saidur Office attendant	





All doctors of department

### 3 Clinical activities

#### A. OPD services (Up to 19/11/23)

Male	Female	Total
1755	697	2452



All doctors of department



## B. Indoor services

Male	Female	Total
140	102	242



Indoor round

## C. Operation (Upto 19/11/23)

	Male	Female	Total
Major	155	83	238
Minor	18	18	36
Total	173	101	274



OT (Radical Nephroureterectomy operation)



Radical Nephroureterectomy specimen

## D. Procedure

	Male	Female	Total
Urethral Catheterization	32	13	45
Intravesical Mitomycin	47	21	86
Intravesical BCG	12	05	17
Total	91	39	148

## 4. Academic activities:

### A. CME









1. Tale of A urethral growth of a 48-year-old lady.
2. Management of upper tract urothelial carcinoma
3. Last 10 years' experience of prostate cancer in Uro-oncology dept. of NICRH.
4. Clinical approach to prostate cancer patient: Guideline practice

## 5. Research & publications:

1. Predisposing factors and outcome of laparoscopic mesh repair in parastomal hernia following radical cystectomy and ileal conduit urinary diversion for bladder cancer at NICRH
2. Clinical rationale, safety and benefit of routine second transurethral resection in patients with newly diagnosed pT1 non muscle invasive bladder cancer at NICRH.
3. Efficacy of neoadjuvant targeted therapy (Lenvatinib with Everolimus) in the management of locally advanced and metastatic renal cell carcinoma
4. A transcription study of p53 pathway related prognostic gene signature set in bladder cancer

## Gynaecological Oncology

Sl. No.	Name & Designation	Picture
01	Dr. Begum Rokeya Anwar Professor & Head of the Department	
02	Dr. Shahana Pervin Professor	
03	Dr. Afroza Khanam Associate Professor	
04	Dr. Mahenaz Afroz Associate Professor	
05	Dr. Nasrin Hossain Associate Professor	
06	Dr. Chowdhury Shamima Sultana Associate Professor	
07	Dr. Rifat Ara Assistant Professor	
08	Dr. Mst. Farhana Tarannum Khan Assistant Professor	

Sl. No.	Name & Designation	Picture
09	Dr. Mst. Rukhsana Parvin Resident Surgeon	
10	Dr. Naznin Ara Registrar	
11	Dr. Shakila Laizu Registrar	
12	Dr. Sylvia Hossain Assistant Registrar	
13	Dr. Tasia Sultana Rahman Assistant Registrar	
14	Dr. Jenifa Haque Juthi Assistant Registrar	
15	Dr. Tahmina Akhter Assistant Registrar	
16	Dr. Zinnat Habiba Medical Officer	

Sl. No.	Name & Designation	Picture
17	Dr. Susmita Bardwan Medical Officer	
18	Dr. Basma Humayra Pervin Medical Officer	
19	Dr. Farzana Islam Bithi Medical Officer	
20	Dr. Farzana Islam Medical Officer	
21	Dr. Afia Jahan Roshni Medical Officer	

## Deputation

1. Assistant Professor – 08
2. Junior Consultant – 18
3. Course Student (Gynae Oncology) – 07
4. Sister – 17
5. Aya – 02
6. MLSS – 01

## Clinical activities

Type of Treatment	Name of the Disease	Number of Patients
Outdoor	Ca Cervix	1857
	Ca Ovary	812
	Ca Endometrium	120
	Ca Vagina	26
	Ca Vulva	36
Indoor		600

## Academic activities

Activities	Statistics
CME	09
Class	60
Exam	12
International Workshop	04
Local Workshop	BDSCCP-2 GOSB- 2 OGSB- 1
Journal Club	12
Case Presentation	24



## Some Activities of Gynae Oncology Unit



Cervical and breast cancer prevention activities



International conference of GO-DAY





Via camp: Upazilla Health Complex



Training of Gynecological Oncologic Surgery



Hands on Training



Ward round with foreign faculty



Operation Theater training

## Department of Haematology

Sl. No.	Name & Designation	Picture
01	Dr. Mohammad Ali Associate Professor & Head	
02	Dr. A K M Mynul Islam Associate Professor	
03	Dr. Fatema Ahmed Assistant Professor	
04	Dr. Salina Haque Assistant Professor	
05	Dr. Rehnuma Nasim Registrar	
06	Dr. Md. Saroar Jahan Rajib Registrar	
07	Md. Akhlak-UI-Islam Assistant Registrar	
08	Dr. Nusrat Jahan Assistant Registrar	

Sl. No.	Name & Designation	Picture
09	Dr. A. K. M. Nazir Ali Medical Officer	
10	Dr. Sajeda Ferdous Medical Officer	
11	Dr. Sabiha Khatun Chhabi Medical Officer	
12	Dr. Nishat Mehjabin Medical Officer	
13	Sona Saha Senior Staff Nurse (In charge)	
14	Sabria Sermin Senior Staff Nurse	
15	Nasima Akter Senior Staff Nurse	
16	Afroza Senior Staff Nurse	



Sl. No.	Name & Designation	Picture
17	Afsana Mimi Senior Staff Nurse	
18	Sumaiya Senior Staff Nurse	
19	Md. Rakibul Islam Medical Technologist	
20	Alamgir Hossain Medical Technologist	
21	Farjana Khanam Office Assistant cum Computer Operator	
22	Sumaiya Akter Sumu Outsourced Medical Technologist	
23	Monowara Begum Cleaner	
24	Md. Johirul Islam Outsourced Cleaner	

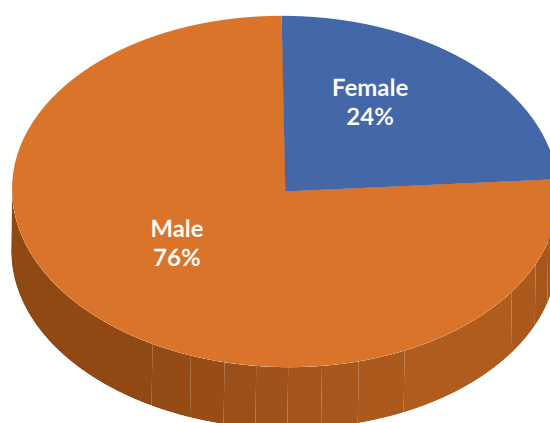
# Provided Services from Department of Haematology in 2023

## Indoor Services Management

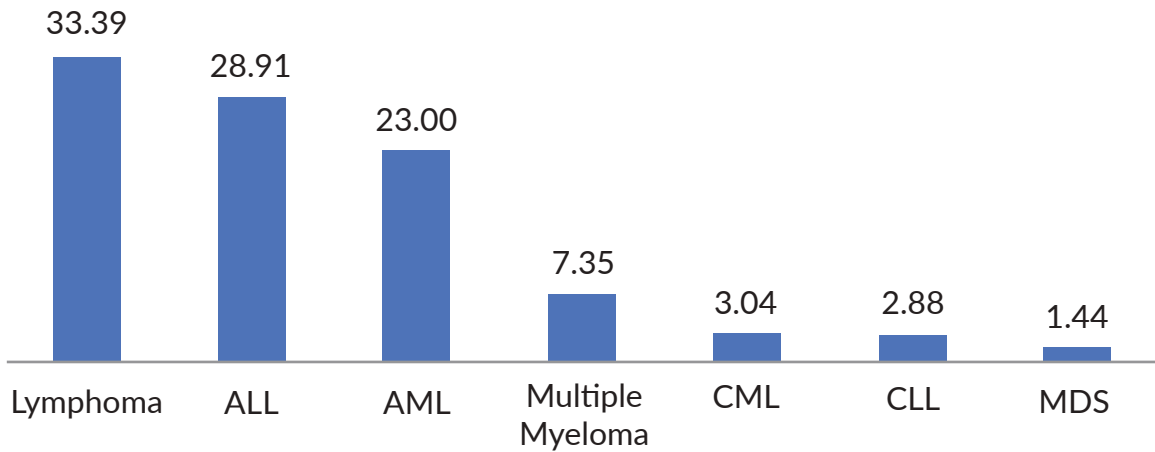
### Academic activities

Sl. No.	Description	Number	%
01	Total Number of Admitted Patients	626	100
02	Total number of beds	40+Cabins	
03	Gender Distribution of total patients		
	Female	148	23.64
	Male	478	76.36
04	Number of new patients out of total admitted	162	25.89
05	Disease wise distribution of admitted patients		
	Lymphoma	209	33.39
	Acute Lymphoblastic Leukaemia	181	28.91
	Acute Myeloid Leukaemia	144	23.00
	Multiple Myeloma	46	7.35
	Chronic Myeloid Leukaemia	19	3.04
	Chronic Lymphocytic Leukaemia	18	2.88
	Myelodysplastic Syndrome	09	1.44
06	Total Death	39	6.23

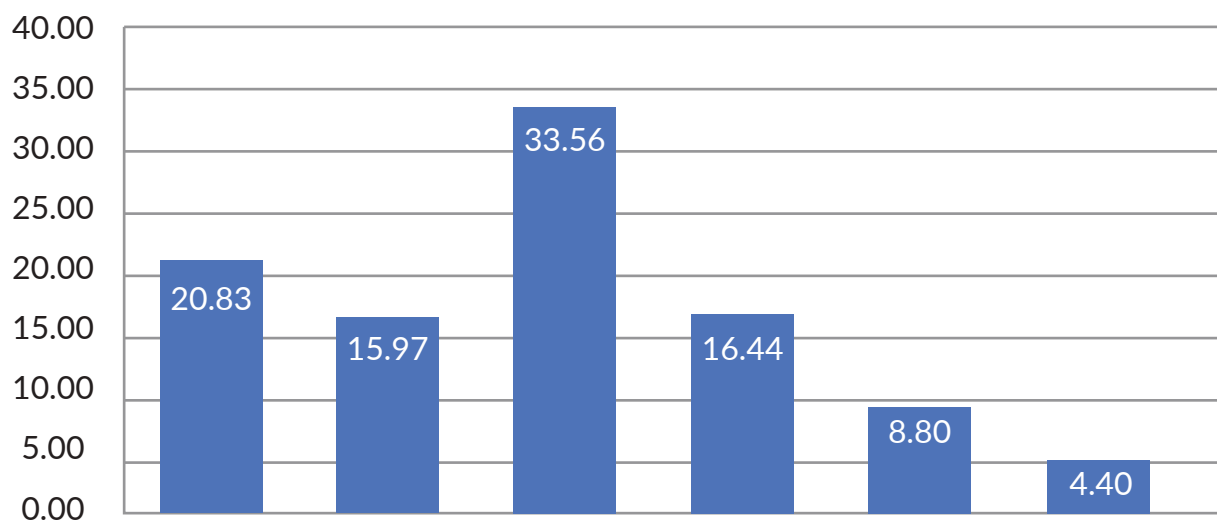
**Gender distribution of patients admitted under  
Department of Haematology**



**Disease Specific Distributions of Admitted  
Patients under  
Department of Haematology in %**



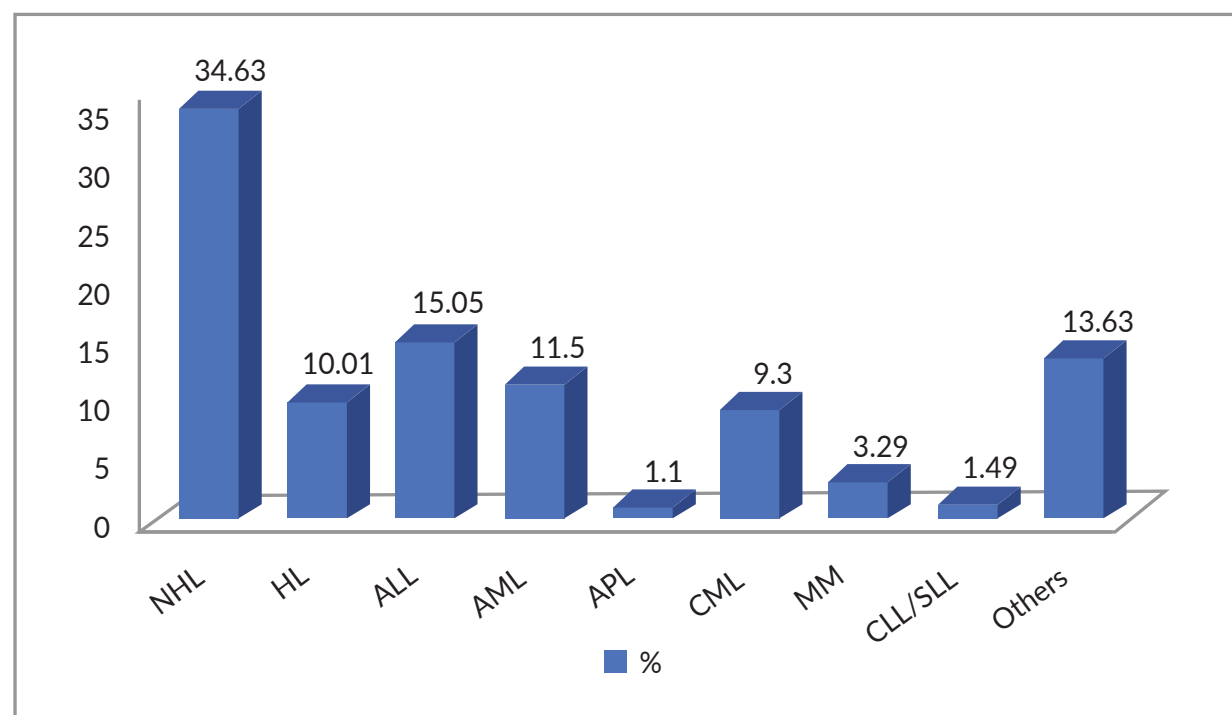
**Age Distribution in % of Admitted Patients under  
Department of Haematology**



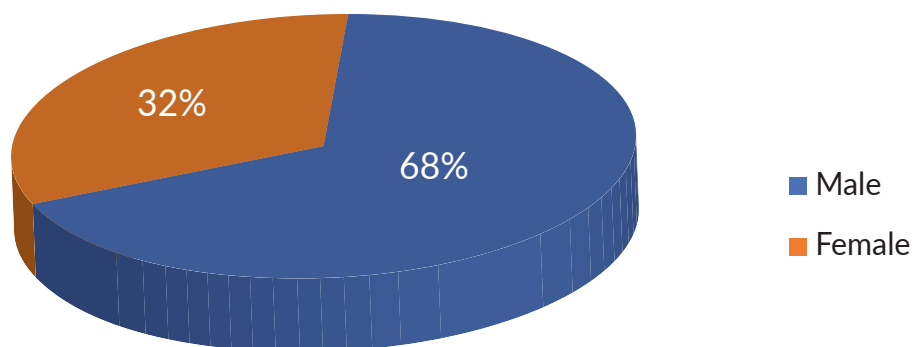


## Outpatient Services Management

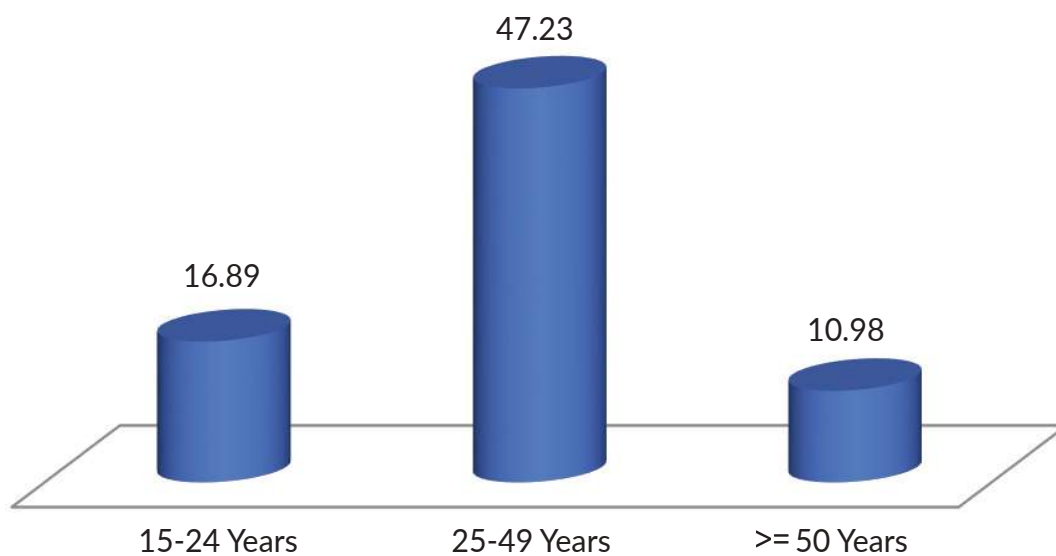
Sl. No.	Description	Number	%
01	Total Number of Outpatients Visits	13344	100.00
02	Total number of Existing Patients	1548	100.00
03	Provided Day-care Services to patients out of Total Patients	922	59.56
04	Gender Distribution of Outpatients Visits		
	Female	4293	32.17
	Male	9051	67.83
05	Disease Wise Distribution of Outpatients Visits		
	Non-Hodgkin Lymphoma	2052	25.73
	Hodgkin Lymphoma	2122	15.90
	Acute Lymphoblastic Leukaemia	1985	14.88
	Acute Myeloid Leukaemia	806	6.04
	Acute Promyelocytic Leukaemia	216	1.62
	Chronic Myeloid Leukaemia	1903	14.26
	Multiple Myeloma	1147	8.6
	Chronic Lymphocytic Leukaemia/SLL	234	1.75
	Others	1498	11.23
	<b>Total</b>	<b>13344</b>	<b>100</b>



### Gender Distribution of Outpatients Visits



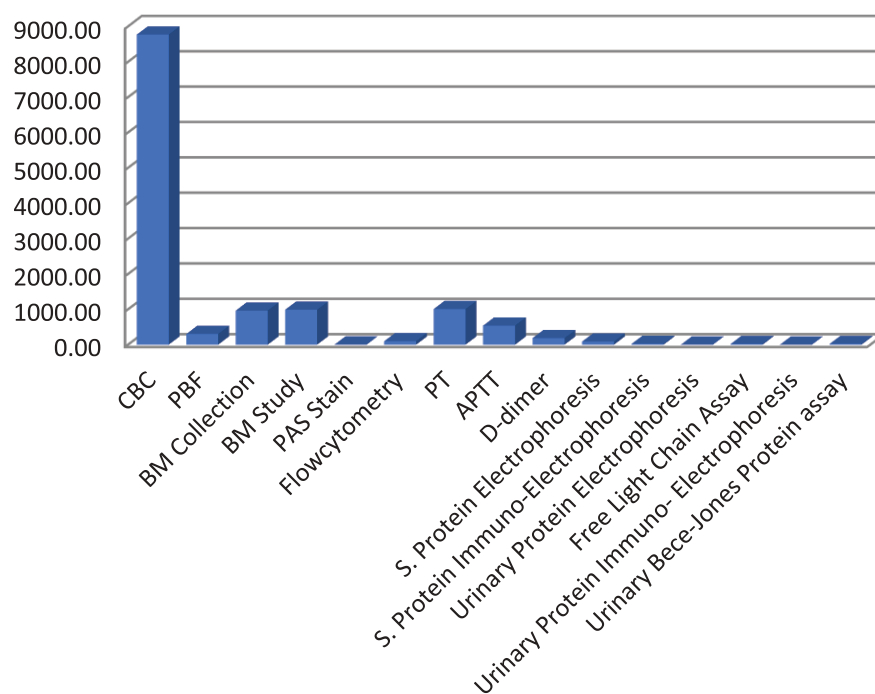
### Age Distribution of OPD Visits in %



## Laboratory Services

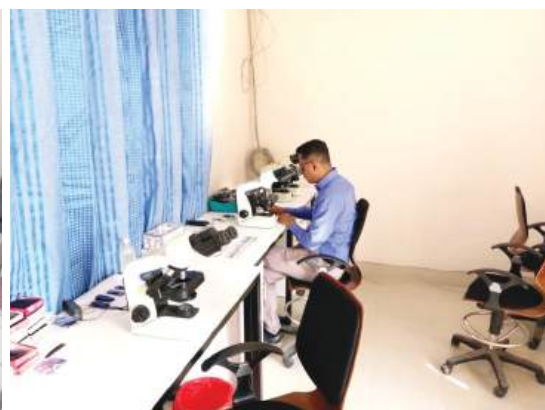
Sl. No.	Test/ Procedure	Total
01	CBC	8768
02	PBF	301
03	BM Collection	963
04	BM Study	988
05	PAS Stain	4
06	Flow-cytometry	98
07	PT	1006
08	APTT	538
09	D-dimer	184
10	S. Protein Electrophoresis	87
11	S. Protein Immuno-Electrophoresis	21
12	Urinary Protein Electrophoresis	2
13	Free Light Chain Assay	17
14	Urinary Protein Immuno- Electrophoresis	1
15	Urinary Bence-Jones Protein assay	19
16	Total Investigations done	12978

### Laboratory Services of Department of Haematology, NICRH



## Academic Activities

Sl. No.	Activities	Number
01	Central Presentations	02
02	Death Review	12
03	CME	01
04	Academic Lectures to -	
	MD (Medical Oncology)	23
	MD (Radiation Oncology)	22
05	One day long Workshop on Immunophenotyping: Jointly organize By-Royal College of Pathologists, Haematology Society of Bangladesh and Department of Haematology	01
06	Three-day Long Training Program on Flow-cytometry	01
07	Newly Launched Program: Immuno-phenotyping	01







## Academic Research

Outcome of Immuno-phenotyping of Newly Diagnosed Acute Leukaemia Patients  
**Inauguration of Bone Marrow Transplant Centre Constriction Works**

## Department of Histopathology

Sl. No.	Name & Designation	Picture
01	Dr. Farida Arjuman Associate Professor & Head of the Department	
02	Dr. Lyzu Sharmin Assistant Professor	
03	Dr. Rumana Sharmin Assistant Professor	
04	Dr. Ummey Salma Shabnam Assistant Professor	
05	Dr. Tahmina Sultana Lecturer	
06	Dr. Sadia Afroz Medical Officer	
07	Md. Mizanur Rahman Medical Technologist (Lab)	
08	Md. Shahidul Islam Medical Technologist (Lab)	

Sl. No.	Name & Designation	Picture
09	Abdur Rakib Medical Technologist (Lab)	
10	Most. Rashida Khatun Seniro Staff Nurse	
11	Zafrin Akter Seniro Staff Nurse	
12	Rani Veronica Rozario Seniro Staff Nurse	
13	Md. Shafiqul Islam Computer Operator	
14	Md. Anisur Rahman Computer Operator	
15	Md. Makbul Hossain	
16	Md. Arzan Molla	

Sl. No.	Name & Designation	Picture
17	Nazrul Islam (Cleaner)	
18	Md. Akkel Ali Cleaner, recently retired	
19	Md. Sirajul Islam Out sourcing	
20	Ditu Roy Out sourcing	





## Activities: (January- November, 2023)

Total Histopathology-4843  
Immunohistochemistry-530  
Frozen Sections-307  
Review-240  
Academic Cytopathology-6

### Immunohistochemistry marker available-40

ER	CK 7
PR	PAX-8
HER 2	WT -1
Pan CK	Myo-D1
LCA	Desmin
P53	FMA
P63	CK-20
Ki 67	DOG-1
CD3	Synaptophysin
CD 20	CD 34
CD15	BCL 2
CD30	CD 79 a
CD-99	GATA 3
Vimentin	Uroplakin
S-100	Inhibin
HMB-45	MDM 2
CD 117	SMA
TTF 1	CD 10
PAX-5	E-Cadherin
P 16	hM1H1, hMSH2, hMSH 6

## Academic Activities

### (a) Workshops & CME, Classes, Exams

1. Day long post graduate CME on histopathology, 2023 at BSMMU
2. Hands on training on medical biotechnology under MIS, DGHS, Dhaka
3. 6th International CMC Path-CME on soft tissue tumours, Chittagong
4. 6th National Convention of Bangladesh Academy of Pathology(BAP) at BICC, Dhaka
5. Slide seminar on CNS Pathology:  
NPCON Bangladesh-2023 at National Institute of Neuroscience
6. Online Slide Seminar on Urine Cytology, Tata Memorial Hospital, Mumbai

### 7. Regular CME at auditorium, NICRH

- (a) Malignant melanoma at unusual sites : An institutional experience at NICRH
  - (b) Emerging role of immunotherapy in cancer treatment
  - (c) Endometrial carcinoma-A recent update
  - (d) Somatic transformation in Germ cell tumour : A different disease entity
8. Attendance in regular monthly Zoom meeting: Meet the legend, virtual slide seminars & remote lecture from Dr. Muhammad Zaman, New York Medical School, USA
  - (b) Total number of placed students of Lab. technology(January-November, 2023)- 40
  - (c) Rotation placement of post graduate students(January-November, 2023)-10



## Research & publications

### Dr. Sadia Afroz

1. Degree of fibrosis & its association with angiogenesis in the myelofibrotic bone marrow(original article in BSMMU journal)
2. Role of reticulin & masson's trichrome stain in evaluation of extent of fibrosis in bone marrow biopsies. A Histochemical study on 36 cases of primary myelofibrosis(original article in Journal of Histopathology & Cytopathology)
3. Case report : Ovarian sclerosing stromal tumour : Report of a new entity with immunohistochemical study (IBN Sina journal)

### Dr. Lyzu Sharmin : Original Contributions -

1. Incomplete clinical information in a surgical pathology requisition form : The extent and impact on result(Principle author) (Cancer Journal of Bangladesh)
2. A Clinicohistopathological study of psoriasis in a tertiary care hospital (Principle author) (Cumilla BMA Medical Journal)
3. Expression of P 63 & AMACR in benign & malignant lesion of prostate(co-author) (Journal of Histopathology & Cytopathology)
4. Comparison between clinical & histopathological diagnosis of papulo-squamous dermatoses (principle author). (Journal of Histopathology & Cytopathology)
5. Histomorphological pattern of vocal cord lesions in a tertiary care hospital(co-author) (Journal of Histopathology & Cytopathology)

### Dr. Umme Salma Shabnam

1. DNA mismatch repair deficiency in colorectal adenocarcinoma by a two-antibody immunohistochemical approach & its association with clinicopathological features among Bangladeshi patients (Co-author)
2. Demographic & clinicopathological evaluation of colorectal adenocarcinoma in Bangladesh at a tertiary level hospital (Co-author)
3. Role of nerve bundle morphometry in diagnosis of Hirschsprung disease
4. Application of toluidine blue stain & neuron specific enolase immunohistochemical stain in the diagnosis of Hirschsprung disease
5. Association of E-cadherin expression in radical cystectomy specimens of infiltrating urothelial carcinoma with histopathological parameters.

## Research works (ongoing)

1. Title of the study : **Expression of BARD1 mRNA in formalin-Fixed Paraffin-Embedded(FFPE) Cancerous and Non-cancerous Breast Tissue : in a Tertiary Care Hospital.**

Principal investigator : Dr. Lutfun Nahar  
In collabroation with BSMMU, Dhaka
2. Title of the study : **Expression of Ki-67 and E-cadherin in Patients with Non-small Cell Lung Cancer : in a Tertiary Care Hospital (2022).**

Principal investigator : Dr. Farzana Afroze  
In collabroation with BSMMU, Dhaka
3. Title of the study : **Assessment of Estrogen(ER), Progesterone(PR), p53 and Ki-67 receptors from curettage materials in endometriuoid-type endometrial carcinoma and their association with lymph node metastasis.**

Principal investigator : Dr. Zinat Habiba  
In collabroation with Gynaecological Oncology Department, NICR&H, Dhaka.
4. Title of the study : **Stratification of neoadjuvant chemotherapy response in triple-negative breast cancer based on demographic characteristics**

Principal investigator : Dr. Md. Rafiqul Islam  
In collabroation with Medical Oncology Department, NICR&H, Dhaka.
5. Title of the study : **Diagnostic accuracy of MRI in cervical carcinoma with histopathology correlation**

Principal investigator : Dr. Abu Bakar Siddique  
In collabroation with SSMC, Dhaka

## Research works (completed)

1. Title of the study : **Incomplete Clinical Information in a Surgical Pathology Requisition Form : The Extent and Impact on Results**  
  
Principal investigator : Dr. Lyzu Sharmin
2. Title of the study : **Clinicopathological Attributes of Gastric Cancer Based on Molecular Classification**  
  
Principal investigator : Dr. Muhammad Syeef Khalid ( 2022)  
In collabroation with Surgical Oncology Department, NICR&H, Dhaka.
3. Title of the study : **Assessing the Expression of BRCA1 mRNA using Quantative Real Time RT- PCR in Adult Banglali Bangladeshi Female Patients with Breast Cancer.**  
  
Principal investigator : Dr. Samira Sultana Ameer ( 2022 )  
In collabroation with BSMMU, Dhaka
4. Title of the study : **Expression of BRCA2 mRNA in Adult Bengali Bangladeshi Female Patients with Breast Cancer**  
  
Principal investigator : Dr. Umma Habiba Laboni ( 2022)  
In collabroation with BSMMU
5. Title of the study : **Immunohistochemical assessment of Ki-67 and E-cadherin Expression in Tripple Negative Breast Cancer Tissue of the Adult Bengali Bangladeshi Female Patients**  
  
Principal investigator : Dr. Rokhsana Tanjin ( 2021 )  
In collabroation with BSMMU, Dhaka
6. Title of the study : **Evaluation of E-cadherin expression in core needle biopsy & coresponding mastectomy specimen & its association with histological prognostic parameters of breast carcinoma**  
  
Principal investigator : Dr. Afroza Ferdous ( 2021 )  
In collabroation with Dhaka Medical College Dhaka.
7. Title of the study : **Expression of Progesterone Receptors (PR) in Endometrial Carcinoma and its associations with histopathological types, grades and stages of the tumour**  
  
Principal investigator : Dr. Nargis Akter ( 2021)  
In collabroation with Dhaka Medical College Dhaka.
8. Title of the study : **Expression of BRCA1 mRNA in cancerous and Noncancerous FFPE breast tissue of Adult Bangladeshi Female Patient with Breast Cancer**  
  
Principal investigator : Dr. Latifa Nishat ( 2021 )  
In collabroation with BSMMU, Dhaka
9. Title of the study : **Estrogen & progesterone receptor expression status of epithelial ovarian cancer & their relationship with presentation of the patients & histological charecteries of the tumour.**  
  
Principal investigator : Dr. Humaira Haque ( 2021 )  
In collabroation with Gynaecological Oncology, NICR&H, Dhaka.

10. Title of the study : **Molecular Signatures of Arsenic in Selected Cancers Diagnosis in Bangladeshi Adults**
- Principal investigator : Dr. Emdad (2020)  
In collabroation with the UChicago Research Bangladesh
11. Title of the study : **Evaluation of Prognostic Factors for Load Recurrence of Extermity Soft Tissue Sarcoma : Observational Study in A Tertiary Care Hospital**
- Principal investigator : Dr. S. M. Sakib Kabir (2021 )  
In collabroation with Depart of Surgical Oncology, NICR&H, Dhaka
12. Title of the study : **Expression of ER, PR & HER2 in Endometrial Carcinoma and its correlation with histopathological types, grades and stages.**
- Principal investigator : Dr. Fouzia Sharmin (2019 )  
In collabroation with Gynaecological Oncology, NICR&H, Dhaka.

### Ongoing Research (2023)

1. Title of the study : **Lymphovascular space invasive (LVSI) Scoring assessment in endometrial cancer & risk stratification for adjuvant therapy.**
- Principal investigator : Dr. Professor Shahana Pervin.  
In collaboration with Gynaecological Oncology, NICR&H.
2. Title of the study : **"Expression of Ki 67 & KRAS protein in Bangladeshi ovarian cancer patients".**
- Principal investigator : Dr. Sadika Sharmin, MS. Anatomy.  
In collaboration with Dept. of Anatomy, BSMMU.
3. Title of the study : **"Identification of mutation in KRAS Gene in Cancerous tissue & analysis of pedigree of Bangladeshi patient with ovarian cancer".**
- Principal investigator : Dr. Nargis Sultana, MS(Anatomy).  
In collaboration with Dept. of Anatomy, BSMMU.
4. Title of the study : **"Comparative accuracy of Modified Swede Colposcopic index & swede colposcopic index in detecting High grade cervical lesion".**
- Principal investigator : Dr. Khaleda Jahan  
In Collaboration with Gynaecological Oncology, NICRH.
5. Title of the study : **Immunohistochemical expression of vimentin in endometrial carcinoma with its histopathological type, histopathological grade & pathological stage.**
- Principal investigator : Dr. Sanjida Rahman.  
In Collabroation with Dept. of Pathology, SSMC
6. Title of the study : **Expression of ER,PR, Her 2, p53 & Ki 67 in epithelial ovarian cancer & their correlation with clinicopathological parameters.**
- Principal investigator : Dr. Raihana Ferdousi  
In Collaboration with Dept. of Gynocological Oncology, NICRH

7. Title of the study : **Assessment of ER, PR, P53, Ki 67 receptors from curettage materials in endometrioid type endometrial carcinoma & their association with lymph node metastasis.**

Principal investigator : Dr. Zinat Habiba  
In Collaboration with Dep. of Gynaecological oncology, NICRH

8. Title of the study : **Role of P 16/Ki 67 dual IHC staining for the diagnosis of High grade cervical intraepithelial neoplasia ( CIN-II & CIN-III)**

Principal investigator : Dr. Shamima Nasrin  
In Collaboration with Dept. of Gynaecological Oncology, NICRH.

#### 6. Newly launched programme

1. Inauguration program of starting automated stainer of IHC(DAKO-OMNIS).
2. Research collaboration with Gynaecology department, Histopathology department of NICRH with iDESHI Lab. for BRCA mutation in woman with high grade epithelial ovarian cancer (Started from 27th November, 2023)

#### 7. Cultural events

1. Farewell program of staff. Md Akkel Ali on his retirement
2. Participation in cultural program in 6th national convention of BAP at BICC.

#### 8. Achievements




1. Second position in free paper submission in 6th national convention of BAP at BICC
2. Third prize for poster presentation in 6th international CMC-Path-CME on soft tissue tumour at Chittagong.
3. Glass Slides and staining rack distribution by Rotary club of Dhaka.

Month	Histopathology	IHC	Frozen Sections	Slide review	Academic cytopathology
January	362	68	27	14	0
February	367	58	22	18	0
March	415	91	22	20	0
April	275	52	19	20	2
May	421	78	35	22	1
June	368	40	36	12	1
July	399	00	34	10	0
August	448	00	33	19	1
September	478	17	22	22	0
October	411	54	20	21	1
November	527	54	21	31	0
December	372	18	16	31	0
Total	4843	530	307	240	6

## Department of Immunology and Molecular Biology

Sl. No.	Name & Designation	Picture
01	Dr. Sufi Hannan Zulfiqar Rahman Associate Professor & Head of the Department	
02	Dr. Kohinur Hasan Iman Lecturer	
03	Dr. Khairul Ozama Islam Natasha Lecturer	
04	Mahbuba Sultana Senior Staff Nurse	
05	Popy Elizabeth Gomes Senior Staff Nurse	
06	Md. Aminur Islam Senior Staff Nurse	
07	Suparna Halder Senior Staff Nurse	
08	Md. Abdur Rahman Farhad Medical Technologist (Laboratory)	



Sl. No.	Name & Designation	Picture
09	Animesh Sharma Shishir Medical Technologist (laboratory- outsourcing)	
10	Md. Rafiqul Islam MLSS	
11	Prosanta Chandra Das Cleaner (outsourcing)	

#### I. Laboratory services:





Month	AFP	Beta hCG	CEA	CA 125	CA19-9	CA 15-3	PSA	FT4	TSH	HBsAg	HPV DNA	COVID-19 RT-PCR	Total
January	56	63	180	99	127	182	23	128	209	7	63	449	1586
February	59	59	180	101	148	159	28	98	167	60	0	118	1177
March	55	76	231	127	190	211	30	97	174	62	0	94	1347
April	22	34	83	36	61	60	12	45	75	0	0	51	479
May	50	65	171	124	138	157	37	45	57	46	0	71	961
June	39	78	126	57	94	92	15	28	1	26	0	57	613
July	75	72	269	116	173	174	31	85	168	85	21	4	1273
August	53	60	214	108	173	187	40	119	262	120	68	0	1404
September	67	78	191	107	150	139	30	113	218	87	25	0	1205
October	58	67	221	119	138	132	23	116	237	109	40	0	1260
November	66	76	236	108	171	129	30	121	224	117	0	0	1278
December	75	78	234	118	159	187	45	106	206	118	0	0	1326
<b>Total</b>	<b>675</b>	<b>806</b>	<b>2336</b>	<b>1220</b>	<b>1722</b>	<b>1809</b>	<b>344</b>	<b>1101</b>	<b>1998</b>	<b>837</b>	<b>217</b>	<b>844</b>	<b>13909</b>



## II. Academic activities (CME/Class/ Exam/Workshop/Internship Training)

- a. CME in 2023:
  - i. Immune checkpoint inhibitors in cancer immunotherapy (Presenter: Dr. Sufi HannanZulfiqar Rahman, Date: 11 March 2023)
  - ii. HPV and cervical cancer: pathogenesis and screening (Presenter: Dr. Sufi HannanZulfiqar Rahman, Date: 19 August 2023)
- b. Classes in 2023:
  - i. FCPS GynaecologicalOncology students (January 2023)
  - ii. MD Medical Oncology students (May 2023)
  - iii. MD Radiation Oncology students (October 2023)
- c. Internship training provided in 2023:

Course	Institution	No. of students
BSc in Health Technology (Lab)	Dhaka IHT, Mohahali, Dhaka	8
BSc in Genetic Engineering & Biotechnology	East West University, Dhaka	2
BSc in Biotechnology	Brac University, Dhaka	8
Diploma in Health Technology (Lab)	Dhaka IHT, Mohahali, Dhaka	7
Diploma in Health Technology (Lab)	Jhenaidaha IHT, Jhenaidaha	5
Diploma in Health Technology (Lab)	Satkhira IHT, Satkhira	16

## Department of Laboratory Medicine

Sl. No.	Name & Designation	Picture
01	Dr. Kajol Ahsan Associate Professor & Head Department of Cytopathology & Laboratory Medicine.	
02	Dr. Gul-E-Rana Lecturer	
03	Dr. Khairul Ozama Islam Natasha Lecturer	
04	Md. Ali Ashraf Medical Technologist (lab)	
05	Md. Mizanur Rahman Medical Technologist (lab)	
06	Ozifa Khatun Medical Technologist (lab)	
07	Rima Akter Medical Technologist (lab)	
08	Abdul Alim Muazzeen	

Serial	Name & Designation	Picture
09	Abdus Satter Lab. Attendant	
10	Boshir Ahmmed Office Sahayok	

### Clinical activities: Laboratory procedures:

- (a) Hematological investigations.
- (b) Bio-chemical investigations of blood samples.
- (c) Stool & Urine (Physical, Chemical & microscopical) Investigation.

### Academic Activities:

01. Regular active participation in Central Medical Education.
02. Taking regular classes of technologists (Diploma, BSC) coming from different institutes.
03. Conducting exams& giving certificates on completion of training.
04. Attending different workshops organized by various departments of NICRH and national, International organizations.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Patient	3356	2894	2989	2136	3206	2687	3492	3504	3091	3231	3264	3620	37470
Name of test													
CBC/PBF	2430	2067	2107	1555	2293	1988	2572	2598	2273	2387	2422	2736	27428
Stool R/E	00	02	02	00	00	01	00	01	01	02	01	01	10
Urine R/E	162	45	139	88	185	134	134	146	133	143	155	166	1630
B. Sugar	540	493	503	287	602	444	524	568	509	540	539	570	6119
S. Bilirubin	246	218	228	520	642	650	866	840	727	784	773	864	7358
SGOT	58	62	65	34	65	56	88	85	87	77	85	121	883
SGPT	2435	2159	2229	1659	2344	1994	2595	2590	2274	2357	2316	2676	27628
S. Alk. Phos.	189	138	145	74	158	94	163	208	175	147	171	207	1869
B. Urea	15	08	09	06	22	07	11	14	09	10	14	11	136
S. Creat.	2496	2173	2253	1729	2451	2094	2692	2667	2346	2434	2424	2692	28451
LDH	154	132	137	69	158	118	160	138	139	131	125	163	1625
Total Protein	01	01	01	00	00	00	00	01	00	00	01	00	05
Albumin	289	270	307	185	374	281	276	334	318	328	377	348	3687
Uric Acid	37	32	33	12	35	25	53	54	34	52	27	28	422
Calcium	175	171	179	125	191	164	186	209	199	142	197	223	2161
Magnesium	19	13	12	20	14	00	00	00	00	00	00	00	78
Lipid Profile	33	25	28	11	36	27	32	41	35	55	23	37	383
Electrolyte	484	411	452	369	586	429	549	625	550	604	687	728	6474
Total Test Report=	9763	8420	8829	6743	10156	8506	10901	11119	9809	10193	10337	11571	116347

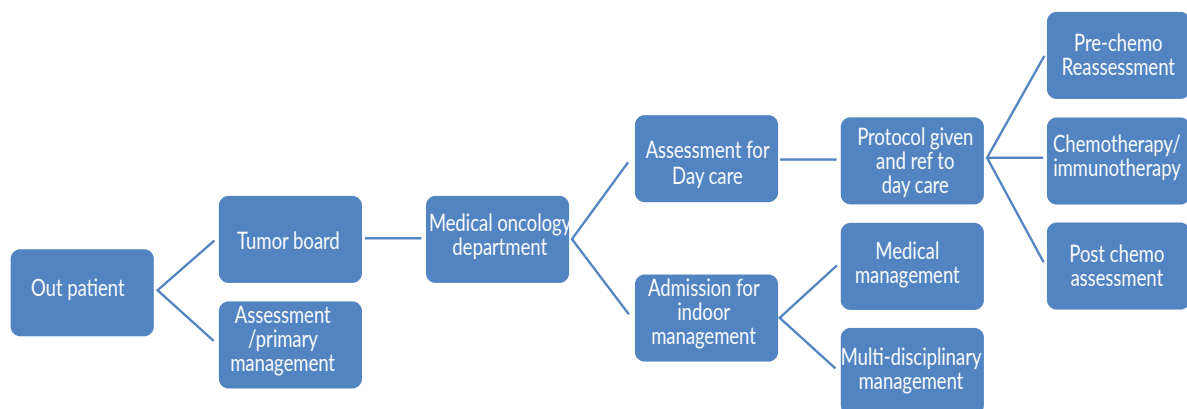
## Department of Medical Oncology

Components of medical oncology service	
Medical oncology unit	01
Day care bed	60
Pre-chemo assessment corner	01
Post chemo assessment corner	01
Out door	
Primary assessment corner	03
Chief medical officer/RP	01
Specialized assessment corner-	03
Geriatric oncology and surveillance service	01
Indoor bed	89+ cabin



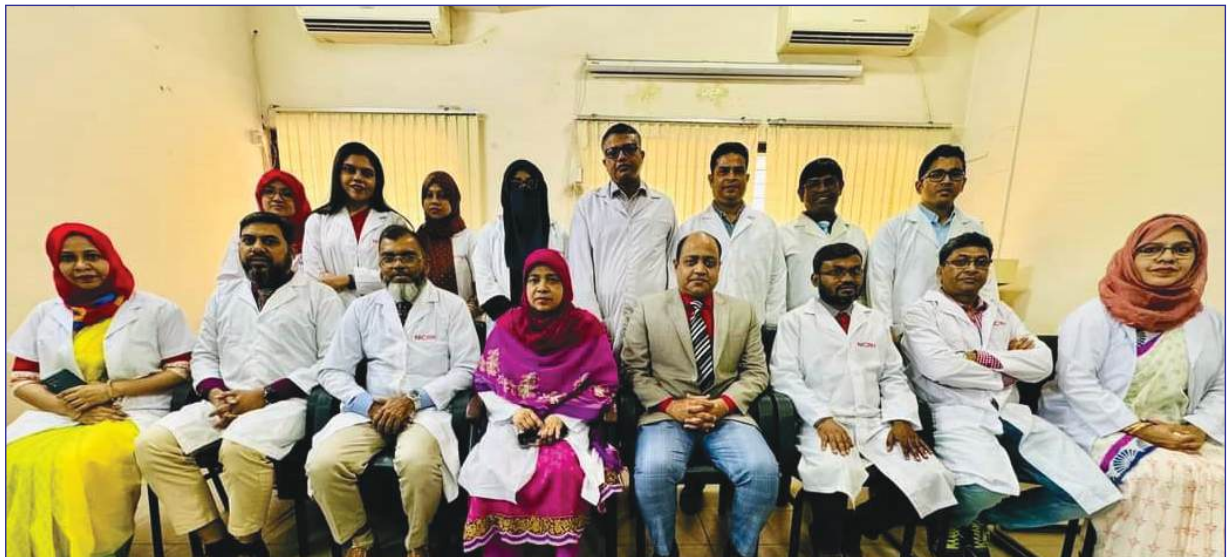


## Patient management flow chart at medical Oncology department



### Current working staff (Doctors) in NICRH

Professor	1
Associate Professor	1
Assistant Professor	3
Registrar	2
Assistant Registrar	4
Medical officer(indoor & outdoor)	7
MD students (thesis Part/phase B)	26
Chief Medical officer/RP	1
<b>Total</b>	<b>45</b>
<b>Other staff</b>	<b>12</b>



Sl. No.	Name & Designation	Picture
01	Prof. Dr. Nazrina Khatun Professor & Head of the Department	
02	Dr. Md. Rafiqul Islam Assistant Professor	
03	Dr. Mohammad Asaduzzaman Assistant Professor	
04	Dr. Muhammad Rafiqul Islam Assistant Professor	
05	Dr. ATM Kamrul Hasan CMO	
06	Dr. Anwar Hossain Registrar	
07	Dr. Zakia Haque Registrar	
08	Dr. Mosfika Rahman Asst. Registrar	

Sl. No.	Name & Designation	Picture
09	Dr. Md. Jaynul Abedin Asst. Registrar	
10	Dr. Rafiqun Nahar	
11	Dr. Rashedul Islam Asst. Registrar	
12	Dr. Sharmin Sultana Medical Officer	
13	Dr. Md. Shahriar Kabir Medical Officer	
14	Dr. Md. Jahangir Alam Medical Officer	
15	Dr. Rokhsana Akhtar Medical Officer	
16	Dr. Salman Bashir Al Ayub Medical Officer	

#### 4. Clinical Activities in 2023

Number of Patients	
1. Outdoor	10,800
2. Protocol Room	7807
3. Follow-Up Room	21786
<b>Total</b>	<b>40,393</b>

Day Care Chemotherapy Patients : 33,276

Indoor Admitted Patients : 5,153

#### Procedures

1. Paracentesis	420
2. Pleural Fluid Aspiration	350
3. Intravesical Chemotherapy	60
<b>Total</b>	<b>830</b>

#### Academic Activities:

Total Number of Classes : 120

Grand Rounds : 11

Central CMEs : 3

Death Reviews : 10

#### Medical Oncology Journal Club Presentations

Sl. No.	Date	Title / Topic/ journal	Presenter
1	Sunday, 09 July 2023	A Phase 3 randomized, placebo controlled study of Pembrolizumab in addition to Paclitaxel and Carboplatin for measurable stage 3 or 4a, stage 4b or recurrent endometrial cancer	Dr. Radia Afrin MD Phase B Resident Medical Oncology, NICRH
2	Sunday, 14th May 2023	Taxane induced musculoskeletal pain	Dr. Sohely Syed MD Phase B Resident Medical Oncology, NICRH
3	February 25, 2023	Tumor board discussion on rectal cancer	All the faculties of Medical Oncology
4		A 55-year-old male with generalised nodular swelling	Dr. Nur Esrat MD Phase B Resident, Medical Oncology, NICRH



Sl. No.	Date	Title / Topic/ journal	Presenter
5	Sunday, 12th March 2023	A 38-year-old male presented with swelling of right lower limb and low back pain	Dr. Sifat Abdullah MD Thesis part, Medical Oncology, NICRH
6	22/03/23	A young male presented with swelling of right lower limb & low back pain	Dr. Sifat Abdullah, MD (Thesis Part)
7	Sunday, 27th August 2023	Prevention of cervical cancer.	Dr. Md. Jahangir Alam MO
8	Sunday, 20th August 2023	"Abiraterone and Olaparib for Metastatic Castration-Resistant Prostate Cancer."	Dr. Sifat Abdullah MD, Thesis Part, Medical Oncology, NICRH.
9	Sunday, 6th August 2023	A 75-year-old male with double primary malignancy	Dr. Shazia Sultana Mili MD Thesis Part, Medical Oncology, NICRH
10	Sunday, 05 November 202	"Efficacy and safety of carboplatin with nab-paclitaxel versus docetaxel in older patients with squamous non-small-cell lung cancer."	Dr. Md. Raihan Bin Sharif MD, Phase B, Medical Oncology, NICRH.
11	Sunday, 29 January 2023	"Soft tissue sarcoma, Pattern of Histopathological diagnosis and approach to the patient."  "Recent advances in the management of Liposarcoma"	1.Dr Jahidul Islam MS, Phase B Resident, Surgical Oncology, NICRH.  2.Dr Bahauddin Kawsar MS, Phase B Resident, Surgical Oncology, NICRH
12	27/11/23	Targeted Adjuvant Strategies for HR+, HER 2 -ve Early and Advanced Breast Cancer'.	Dr. ATM Kamrul Hasan, CMO, NICRH
13	15th January 2023	"Pembrolizumab plus Chemotherapy in Advanced Tripple Negative Breast Cancer"	Dr. FaizurAhmeduzzaman Khan MD Phase B Resident Medical Oncology, NICRH
14	11/8/2023	"Recent Updates in the Management of Head & Neck Cancer."	Dr. Jahangir Alam MD, Medical Oncology NICRH, Dhaka
16	November 20, 2023	"Genetic Testing in Cancer Diagnosis, Treatment, and Management".	Dr. Swarnalatha Daram, PhD, Consultant & HOD
17	Sunday, 25th June 2023	A 22-year-old lady presenting with progressive cough and breathlessness	Dr. Faizur Ahmeduzzaman Khan MD Phase B Resident Medical Oncology, NICRH
18	Sunday, 9th April 2023	Homologus Recombination Repair Gene Mutations to predict Olaparib Plus	Dr Noor Esrat MD Phase B Resident Medical Oncology NICRH.
19	Sunday, 18th June 2023	Surgical Treatment of Low- Lying rectal cancer : updates.	Dr. Nadia Farzana Islam Assistant professor Surgery, FCPS Surgical Oncology Trainee, NICRH
20	Sunday, 09 July 2023	A Phase 3 randomized, placebo controlled study of Pembrolizumab in addition to Paclitaxel and Carboplatin for measurable stage 3 or 4a, stage 4b or recurrent endometrial cancer.	Dr. Radia Afnin MD Phase B Resident Medical Oncology, NICRH



Sl. No.	Date	Title / Topic/ journal	Presenter
21	Sunday, 30th April 2023	Ribociclib plus letrozole versus chemotherapy for post menopausal women with hormone receptor positive, HER 2 negative, luminal B breast cancer (CORALLEEN): an open label, multicenter, randomized, Phase 2 trial.	Dr. Nayeem Iqbal MD Phase B Resident Medical Oncology, NICRH
22	Sunday, 19 November 2023	"Hepatic and Renal Adverse Events of Polypharmacy in Elderly Cancer Patients Receiving Chemotherapy"	Dr. Sajia Sultana MD (Final part) Medical Oncology, NICRH.
23	26 November, 2023	"Updated management of Oesophageal cancer according to NCCN guideline"	Students from surgical oncology faculty on rotation)
24	Wednesday, 25 October 2023	A 22 years old lady presenting with progressive cough and breathlessness.	Dr. Jaynul Abedin MD, Thesis Part, Medical Oncology, NICRH
25	Sunday, 12 February 2023	"Immuno Oncology: A basic introduction and overview"	Dr. Sufi Hannan Zulfikur Rahman Associate Professor and Head of Department, Department of Immunology and Molecular Biology.
26	06/12/23	Management of Chemotherapy induced Anaemia& promising approaches You are cordially invited and requested to attend in time.	Dr. Md. Rashedul Islam, Asst. Registrar, Department of Medical oncology, NICRH.
27	13th August 2023	"Predisposing Factors for Platinum Induced Nephrotoxicity in patients with Metastatic Non-Small Cell Lung Cancer."	Dr. Jaynul Abedin MD, Thesis Part, Medical Oncology, NICRH
28	Sunday, 11th June 2023	Immunotherapy for prostate cancer: A current systemic review and patient centric perspectives.	Dr. Muhammad Mazbah Uddin MD Thesis Part Medical Oncology, NICRH
29	Sunday, 22nd January 2023	A 40 year old lady presented with abdominal mass	Dr. Radia Afnin MD Phase B Resident Medical Oncology, NICRH
30	Mar 16, 2023	Webinar on Update Management of Colon Cancer	Dr. Jahangir Alam MD, Medical Oncology NICRH, Dhaka
31	Sunday, 23 July 2023	Eliminating breast surgery for invasive breast cancer in exceptional responders to neoadjuvant systemic therapy	Dr. Al Mamun FCPS trainee Surgical Oncology, NICRH
32	Sunday, 2nd April 2023	A 40-year-old woman presented with recurrent abdominal swelling	Dr. Md. Aminul Islam MD Phase B Resident, Medical Oncology, NICRH

Sl. No.	Date	Title / Topic/ journal	Presenter
33	Sunday, 26th February 2023	Niraparib individual therapy in patients with platinum sensitive recurrent ovarian cancer using an individualized starting dose (NORA): A randomized, double blinded, placebo-controlled Phase 3 trial."	Dr. Shazia Sultana Mili MD, Thesis part, Medical Oncology, NICRH
34	18 FEB 2023	Carcinoma of rectum	Dr. Jahangir Alam MD, Medical Oncology NICRH, Dhaka
35	10th December, 2023	Updated management of gestational trophoblastic neoplasia	Dr Farhana Tarannum Khan Assistant Professor; Department of Gynaecological Oncology NICRH
36	Sunday, 19th March 2023	Mismatch repair genes expression defects and association with clinicopathological characteristics in colorectal carcinoma	Dr. Arjun Deb MS Phase B Resident, Surgical Oncology, NICRH
37	February 25, 2023	Tumor board discussion on rectal cancer	Dr. Jahangir Alam MD, Medical Oncology NICRH, Dhaka

## 5. Research & Publications

### Publications



3. Lung Cancer In Bangladesh - Journal of Thoracic Oncology

## Journal of Thoracic Oncology

Volume 18, Issue 8, August 2023, Pages 972-980

Editorial: Lung Cancer Worldwide

## Lung Cancer in Bangladesh

Muhammad Rafiqul Islam M.B.B.S., MD<sup>a</sup>   ,

Syeda Masuma Siddiqua M.B.B.S., MPH<sup>b</sup> ,

Rashedul Islam M.B.B.S., MD<sup>a</sup> , Anwar Hossain M.B.B.S., MD<sup>a</sup> ,

Salman Bashar Al Ayub M.B.B.S., MD<sup>a</sup> ,

Md. Shariful Islam M.B.B.S., FCPS<sup>c</sup> , Beauty Saha M.B.B.S., MD<sup>d</sup> ,

Nazrina Khatun M.B.B.S., MD<sup>a</sup> ,

Md Nazmul Karim M.B.B.S., MPH, M Clin Epi, PhD<sup>e</sup>

## 2. Disparities in Cancer Care - The ASCO post



## Posters

### 3. Demographic Stratification, evaluation of symptoms burden on basis of gender and implications of G8 questionnaire in elderly patients with cancer in Bangladesh

Presenter: Dr. Muhammad Rafiqul Islam

ASCO general Meeting 2023, Chicago. USA

**Abstract #12060 Demographic stratification, evaluation of symptoms burden on basis of gender, and implications of G8 questionnaires in elderly patients with cancer in Bangladesh.**

Authors: Muhammad Rafiqul Islam<sup>1</sup>, Syeda Masuma Siddiqua<sup>2</sup>, Rashedul Islam<sup>3</sup>, Anwar Hossain<sup>1</sup>, Beauty Saha<sup>1</sup>, Sharmin Sultana<sup>1</sup>, Nazrina Khatun<sup>1</sup>; <sup>1</sup>National Institute of Cancer Research and Hospital, Dhaka, Bangladesh; <sup>2</sup>Unity Through Population Service, Dhaka, Bangladesh; <sup>3</sup>Mymensingh Medical College & Hospital, Mymensingh, Bangladesh

**Background:**

- Geriatric oncology is a new concept worldwide, as well as in Bangladesh. Presently, there is a scarcity of data regarding the geriatric perspective of malignant patients in Bangladesh. Our study investigated the demographic differentiation, evaluation of symptoms burden on the basis of gender, and implications of the G8 questionnaires in elderly cancer patients from a tertiary cancer care center in Bangladesh. This will help physicians to understand cancer in the elderly better, integrate their biological and epidemiological characteristics, and promote a longer life expectancy without compromising their quality of life in resource-constrained regions.

**Methods:**

- This study included all the newly diagnosed and histologically confirmed primary solid tumors among age  $\geq 60$  years at the National Institute of Cancer Research & Hospital (NICRH), a tertiary care center in Bangladesh, during the year 2019 and 2020. For all statistical analyses,  $P < 0.05$  was considered significant.

**Results:**

Of 8057 solid tumor patients, 2823 were geriatric patients (35.04%). Male dominant patients' mean BMI was  $20.23 \pm 5.04$  and 35.4% were malnourished. The low SES was 63.7% and 68.5% of patients were illiterate. Pain was the most common symptom (37.44%), followed by GI symptoms (31.77%), whereas 33.1% suffered from more than one symptom. In the disease distribution, lung cancer was 52.4% irrespective of sex, followed by GIT 17% and HBS cancer 10%. Breast 24.58% and GIT 17.77% were the second most common malignancy in females and males, respectively.

**Gender**

**AGE DISTRIBUTION**

Among the 22.1% of patients were metastatic at presentation and 25% had a comorbid condition. About 27.4% of patients were completely disabled, low BMI with high ECOG status and more symptoms ( $P < 0.01$ ). Gender, nutritional and socioeconomic condition were correlated with the patient's functional status and symptomatic presentation. Females were more comorbid with symptomatic metastases at presentation ( $p = 0.020$ ), and males presented with late-stage cancer ( $p = 0.002$ ).

**A complete comprehensive geriatric assessment is crucial for managing geriatric patients, even in resourceful areas tertiary level cancer hospitals.**

Regardless of the type of disease, gender is an important prognostic factor that should be taken into consideration.

**Acknowledgment:**

- Department of Medical Oncology, NICRH,
- Prof Dr. M. Nizamul Hoque, Director
- National Institute of Cancer Research and Hospital, Dhaka, Bangladesh

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**Compared to male elderly patients, female elderly patients suffered more from malnutrition and obesity ( $p < 0.000$ ).**

**Nutritional Status**

**Financial & Academic status**

**DISEASE DISTRIBUTION**

**CLINICAL PRESENTATION**

Polypharmacy rates for elderly males were lower than those for elderly females ( $p = 0.000$ ). Food intake behavior, weight loss, mobility, and health-related perception did not differ based on gender during or after treatment. Based on G8 scoring, we found that 12.3% were in the worse group, 70.2% in the intermediate group and the good group contained 17.5%. According to the cut-off value ( $\leq 11$ ), 71.9% of patients needed the CGA evaluation.

**Conclusion:**

A high number of elder patients with multiple symptoms makes comprehensive management more challenging. A frail elderly patient's gender, SES, education, disease type, and stage along with performance status at the time of presentation of their disease are important prognostic factors.

**SURVIVAL DISTRIBUTION**

2. Assessment of Depression and Anxiety among adult patients with solid tumours admitted in NICRH.

Presented in: ESMO Congress 2023, Madrid, Spain

Principal Investigator: Dr. Salman Bashir al Ayub

Accepted Protocols and Thesis		
Sl. No.	Topic	Principal Investigator
1.	Treatment outcome of paclitaxel plus carboplatin vs Gemcitabine plus Cisplatin in stage IV NSCLC	Dr. Raihan Bin Sharif Phase B Resident, Medical Oncology
2.	Factors influencing the effect of analgesics in pain management of cancer Patients attending at NICRH	Dr. Mazbah Uddin Phase B resident
3.	Predisposing Factors for Platinum Induced Nephrotoxicity in patients with Metastatic Non-Small Cell Lung Cancer.	Dr. Jaynul Abedin MD Thesis P

## 6. Newly Launched Programs (Special Innovations of the Year)

1. Introduction of Infusion pump in Medical Oncology  
Chemotherapy Day Care



2. Introduction of Geriatric Oncology sub-Unit for elderly patient

3. Initial plan to inaugurate Precision Oncology

4. Medical Oncology Journal Club (Every Sunday from 8.30 am to 9.30 am)

5. Oncology Discussion Forum –ODF: A online based case discussion forum (Every Thursday from 8.00 am to 9.00 am via zoom)

## 7. Cultural events and Special Occasions

Sl. No.	Topic
1	World Cancer Day 2023 – Round Table Discussion in Dainik Amader Somoy
2	Arrangement of “Dhaka Cancer Summit 2023” in conjunction with Medical Oncology Society in Bangladesh (MOSB)
3	Annual picnic of Department of Medical Oncology, NICRH at Brac CDM Rajendrapur
4	Participating Annual Oncology Football, Cricket and Badminton Tournaments
5	Participating in all National Days celebrated in NICRH
6	Fund raising activities to support the poor patients in their treatments

## 8. Other Activities and Achievements

Sl. No.	Topic
1	Professor Dr. Nazrina Khatun, Professor & Head, department of Medical Oncology, NICRH successfully presided over the organizing committee of Dhaka Cancer Summit, 2023
2	Dr. Muhammad Rafiqul Islam, Assistant Professor, Department of Medical Oncology granted fully funded scholarship to pursue MS in Precision Medicine in University of Chicago, USA.
3	Dr. Muhammad Rafiqul Islam, Assistant Professor, Department of Medical Oncology, presented his paper in JSMO Annual Conference, 2023
4	Dr. ATM Kamrul Hasan, CMO, Medical Oncology and Dr. Md. Jahangir Alam, Medical Officer attended as a speaker in SFO Annual Conference, Nepal, 2023
5	Dr. Md Rafiqul Islam, Assistant professor, presented his talk on Oncological Emergencies in 32nd Annual Conference of Association of Physicians of Bangladesh (APB)
6	Dr. Salman Bashir awarded 3rd position in Best Poster Category in APB Annual Conference, 2023

## Department of Microbiology

Department of Microbiology in NICRH: In this Institute, all cancer patients are immunosuppressed either due to disease process or due to treatment procedures. As the patients are immunosuppressed, they become very much vulnerable to various types of infections caused by different types of bacteria, viruses and fungi. With the aim to prevent these infections and also to protect these patients from morbidity, this Microbiology department was established in this institute on 2012 with limited manpower and minimal setup. Gradually the department has expanded its activities day by day with the continuous support of the authority of this institute.

Manpower: At present, there is one regular Associate Professor (DR. Saima Easin), one Associate Professor (CC) ( Dr. Zeenat Afroz), one Assistant Professor ( Dr. Ishrat Siddique), and one Lecturer ( Dr. Farhana Parveen). In the Microbiology laboratory, there are two Medical Technologists working hard to serve cancer patients.

Activities: 1) In the Microbiology laboratory, we collect various types of samples from the patients like blood, wound swab, pus, urine, sputum etc. 2) We do Gram stain and Zeihl-Neelsen stain to identify the bacteria, fungus and TB Bacilli. And 3) we do culture and sensitivity tests of these samples to identify the organisms causing infections and their drug sensitivity. We do not have enough manpower to conduct our IPC (infection prevention and control) program effectively and successfully. We should also take initiation for antimicrobial resistance (AMR) program which is a burning issue now a days. Awareness among Doctors, Nurses, Health workers, and patients about AMR will decrease the irrational use of antibiotics. Empirical therapy of antibiotics of this Institute should be updated according to AST (antimicrobial susceptibility test) report of the patients done in the Microbiology laboratory.







Sl. No.	Name & Designation	Picture
01	Dr. Saima Easin Associate Professor & Head	
02	Dr. Zeenat Afroz Associate Professor (CC)	
03	Dr. Ishrat Siddique Assistant Professor	
04	Dr. Farhana Parveen Lecturer	
05	Abu Zafor Siddique	
06	Sayeed Hossain	




Month \ Tests	Blood for C/S(FAN Method)	Urine for C/S	Wound swab for C/S	Pus for C/S	Stool for C/S	Throat swab for C/S	Sputum for C/S	Urethral discharge for C/S	Tracheal aspirate for C/S	High vaginal swab for C/S	Total
January		31	4	5							40
February		32	9	9							50
March		32	7	9							48
April		14	1	3							18
May		40	6	10							56
June		34	10	4							48
July		40	8	15							63
August		40	15	8							63
September	7	26	7	8							48
October	20	53	9	6	5		2			1	96
November	23	41	10	4	3			1			82
December	29	35	12	6	6		3		1		92
Total	79	418	98	87	14		5	1	1	1	704





## Department of Paediatric Haematology & Oncology





Sl. No.	Name & Designation	Picture
01	Dr. Ferdousi Begum Associate Professor & Head of the Department	
02	Dr. Ashis Kumar Ghosh Associate Professor	
03	Dr. Abu Naser Mohammad Al- Amin Associate Professor	
04	Dr. Sabina Karim Assistant Professor	

Sl. No.	Name & Designation	Picture
05	Dr. Eshita Reza Khan Assistant Professor	
06	Dr. Farida Yasmin Assistant Professor	
07	Dr. Marufa Akter Panna Junior Consultant	
08	Dr. Ismot Ara Zannat Registrar	
09	Dr. Mohammad Asaduzzaman Assistant Registrar	
10	Dr. Khandokar Samsujjaman Assistant Registrar	
11	Dr. Md. Arif Hossain Assistant Registrar	
12	Dr. Syeda Sharmin Ara Medical Officer	

Sl. No.	Name & Designation	Picture
13	Dr. Arafatara Khatun Medical Officer	

Sl. No.	Name & Designation	Picture
01	Trishna Rani Ray Senior Staff Nurse	
02	Umme Habiba Senior Staff Nurse	
03	Ifatara Khatun Senior Staff Nurse	
04	Bithi Rani Senior Staff Nurse	
05	Rabeya Khatun Senior Staff Nurse	

Sl. No.	Name & Designation	Picture
06	Arshed Sarker Office Assistant	
07	Rashida Begum Outsourcing	

## 1. Clinical Activities

A) Procedures: - Intrathecal chemotherapy  
Catheterization  
Paracentesis  
Thoracocentesis

### Number of intrathecal chemotherapies

Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Dec
71	72	61	68	78	79	78	71	87	73	86		

### B) Outdoor services

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
OPD services	2384	2416	2439	2199	2532	2241	2537	2517	2356	2462	2475		

## 2. Academic Activities in Department (2023)

Activities	Number	Remarks
CME	21	Seminar – 5 Death Review – 5 Grand Round – 11
Classes	37 +12=49	Up to 14th December
Exams	Twice only	Oral structured clinical examination

### CME

SL. No.	Topic	Presenter
1.	Nutritional Management in Cancer Children	Dr. Ashis Kumar Ghosh
2.	Management of Retinoblastoma	Dr. Eshita Reza Khan
3.	A 14-year-old boy Presented with multiple polymorphous cutaneous Lesions (Anaplastic Large Cell Lymphoma)	Dr. Farida Yasmin
4.	A 11-year Girl presented with Polyuria & Polydipsia (Primary CNS Lymphoma)	Dr. Syeda Sharmin Ara
5.	A 16 years old boy presented with multiple painful soft tissue swelling (Anaplastic Large Cell Lymphoma)	Dr. Mohammad Asaduzzaman

### Death Review

SL. No.	Topic	Presenter
1.	A 5 years old girl with Acute Promyelocytic Leukemia with Tumor Lysis Syndrome	Dr. Farida Yasmin
2.	A 14 years old boy with Anaplastic Large Cell Lymphoma with Septicaemia	Dr. Ismot Ara Zannat
3.	A 5 years old girl with Non-Hodgkin Lymphoma	Dr. Arafat Ara Khatun
4.	(T Lymphoblastic) with HDMTX toxicity	
5.	A 12 years old girl with Relapse and Refractory Germ Cell Tumor	Dr. Marufa Akter Panna
6.	A 3 years old boy with Metastatic Nephroblastoma with Septicaemia	Dr. Syeda Sharmin Ara

## 5. Research & Publications

SL. No.	Title	Name	Type of Article & Presentation	References	Remarks
1	Childhood Malignancy in Bangladesh: Twelve Years Journey of a Tertiary Care Specialized Cancer Hospital	Dr. Mamta Begum, Dr. Md. Jahurul Islam, Dr. Sabina Karim, Dr. SM Rashed Z Kabir, Dr. Ferdousi Begum, Dr. Farida Yasmin, Dr. Ashis Kumar Ghosh, Dr. Abu Naser Mohammad Al - Amin	Original Article	Cancer Journal of Bangladesh Vol. 3, No. 2 : July 2022 Published Date – 02 July 2023	
2	Clinical Profile of Pediatric Malignant Bone Tumor – 10 Years Experiences From A Tertiary Level Cancer Hospital, Bangladesh	Dr. Ferdousi Begum, Dr. Farida Yasmin, Dr. SM Rashed Z Kabir,	Abstract	55th Congress, International Society of Paediatric Oncology, 11- 14 October, 2023	
3	Paediatric, Adolescent and Young Adult Haematology - Benefits from Integrated Approach	Dr. Sabina Karim	Oral	6th Bangladesh HaematoCon 2023	
4	Paediatric Bone Marrow Transplantation – Bangladesh Perspective	Dr. Sabina Karim	Oral	Bangladesh International Healthcare Expo - 2023	
5	Outcome and Complications of Pediatric Acute Promyelocytic Leukemia in Bangladesh	Dr. Eshita Reza Khan	Original Article	Pediatric Hematology and Oncology. 2022. Volume 39; issue 5: page 406-417.	
6	Malignant Bone Tumor in Pediatric Age Group: Ten Years Experience at NICRH	Dr. Farida Yasmin	Oral	BICC cancer Congress 2023	
7	Mucormycosis Induced Liver Abscess in a child with Acute Lymphoblastic Leukemia: A Rare Case Report	Dr. Arafata Khatun, Dr. Sabina Karim, Prof. Dr. Afiquel Islam	Case Report	Cancer Journal of Bangladesh Vol. 3, No. 2: July 2022 Published Date – 02 July 2023	



## Ongoing Research

SL. No.	Topic	Presenter
1	Demographic characteristics of Pediatric Nasopharyngeal Carcinoma – 7 Years Experiences from Tertiary Care Centre, Bangladesh.	Dr. Ferdousi Begum Dr. SM Rashed Zahangir Kabir Dr. Farida Yasmin
2	Outcome of Pediatric Nasopharyngeal Carcinoma with Combined Modalities Treatment – 5 Years Experiences from NICRH	Dr. Ferdousi Begum Dr. Farida Yasmin
3	Outcome of Pediatric Rhabdomyosarcoma - challenges for risk-directed therapy in resource limited setting of Bangladesh.	Dr. Ferdousi Begum Dr. Farida Yasmin Dr. Arif Hossain
4	Clinico-pathological profile of Pediatric Rhabdomyosarcoma -7year experiences from Tertiary Care Centre, Bangladesh.	Dr. Ferdousi Begum Dr. Sabina Karim Dr. Marufa Akter Panna
5	Clinical Profile & Outcome of Malignant Bone Tumor in Children – 10 Years Experiences at NICRH	Dr. Farida Yasmin Dr. SM Rashed Zahangir Kabir Dr. Ferdousi Begum
6	Immunophenotypic Pattern of Childhood Acute Leukemia in Bangladesh – 1 Year Experiences from NICRH.	Dr. Syeda Sharmin Ara Dr. Sabina Karim Dr. Eshita Reza Khan
7	Diagnostic Value of Immunohistochemistry in Pediatric Solid Tumor – Experiences from NICRH	Dr. Khandokar Samsujjaman Dr. Ferdousi Begum Dr. Arafatara Khatun
8	Association of EBV infection in Pediatric Nasopharyngeal Carcinoma-prospective observational study for 1 year.	Dr. Ferdousi Begum Dr. Dr. Khandokar Samsujjaman
9	Effect of Nutrition on Clinical Outcome in Children with Cancer	Dr. Marufa Akter Panna Dr. Ashis Kumar Ghosh
10	Nutritional Status at diagnosis in under-five children with Cancer- 1 Year experiences from NICEH	Dr. Ismot Ara Zannat, Dr. Farida Yasmin

## 6. Cultural Program in Special occasions

- Art Competition –seven times
- Essay Competition –five times



Picture: Art competition

## 7. Other Activities and Achievements

- International Childhood Cancer Day 2023 Celebration (15th February)
- International Mother Language Day Celebration 2023 (21st February)
- Independence Day Celebration 2023 (26th March)
- Childhood Cancer Awareness Month -September 2023 Celebration
- Victory Day Celebration 2023



Picture: Rally in Childhood Cancer Awareness Month -September 2023 Celebration





Picture: Childhood Cancer Awareness Month -September 2023 Celebration



Picture: Victory Day Celebration 2023 with childhood cancer patients

## 8. Family Support, Counselling& Parents meeting-

Organized by World Child Cancer (WCC): 20 in number.







Picture: Monthly Parents Meeting

## 9. Dietary Support activities

Program	Frequency	Source	Organizer	Number
1.	Weekly	Personal Donation	Asst. Prof. Dr. Sabina Karim	52 times
	Twice monthly	World Child Cancer	Family Support Officer	20 times

## Department of Palliative Care



Sl. No.	Name & Designation	Picture
01	Dr. S.M. Humayun Kabir Associate Professor & Head	
02	Dr. Lubna Mariam Assistant Professor	
03	Dr. Samia Ahmed Assistant Professor	
04	Dr. Nisha Mortuja Aktar Medical Officer	



Sl. No.	Name & Designation	Picture
05	Dr. Mohammad Azizur Rahman Medical Officer DR	
06	Most. Maksuda Akhter Senior stuff nurse	
07	Razia sultana Senior stuff nurse	
08	Mst. Neela Khatun Senior stuff nurse	
09	Moriyom Akter Senior stuff nurse	
10	Tipty Shaha Senior stuff nurse	
11	Rabeya Akter Senior stuff nurse	
12	Ripa khatun Senior stuff nurse	

Sl. No.	Name & Designation	Picture
13	Priti Rani Karmokar Senior stuff nurse	
14	Nupur Sarkar Senior stuff nurse	
15	Mst. Lima Parvin Senior stuff nurse	
16	Baby Kirttania Senior stuff nurse	
17	Kaniz Fatema Senior stuff nurse	

### Clinical Activities

Indoor activities: 01.01.2023 to 11.11.2023

Admission: 349

Discharge: 270

Death: 74

Lymphedema: 09

Family Meeting and counselling: 155

Procedure: Dressing: 65

NG tube: 02

Paracentesis :36

Catheterization :05

Out Door activities: Pain management: 169

Dressing: 158

Paracentesis: 51

Counseling: 33





Meeting with patients' family



During fungating wound dressing



Training session of high flow nasal cannula



Lymphedema class



Lymphedema bandage



Lymphedema decompression therapy



"Pitha Utsab"



New year celebration



World hospice and palliative care day 2023



World Hospice and Palliative care day



Discussion on WH&P day 2023



Speech by Director on WH&P day





Visit by foreign delegate



Serving the distressed



World Hospice and Palliative care day



Training by foreign expert



On WH&P day 2023



Donation form Rogi Kalyan Samity

Total patient's statement, 2023  
January to December 2023

Months	Old Patients	New Patients	Total
January	25	58	83
February	29	68	97
March	33	52	85
April	18	35	53
May	25	42	67
June	13	29	42
July	23	54	77
August	53	55	108
September	23	45	68
October	10	50	60
November	29	69	98
December	28	48	76
Total	309	605	914

Palliative Care Unit (OPD)

Name of procedure	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Admission	25	33	22	19	34	22	38	36	37	27	31	31
Pain management	18	31	36	20	09	07	19	25	25	13	17	15
Paracentesis	10	17	04	02	03	03	07	03	02	08	16	03
Dressing	-	-	-	-	01	-	08	02	02	02	-	03
Palliative management	30	16	23	12	20	10	05	42	02	10	18	14
Lymphoedema	-	-	-	-	-	-	-	-	-	-	05	-
Total patients	83	97	85	53	67	42	77	108	68	60	38	76

Grand total - 914

Total patient's statement, 2023  
January to December 2023

Months	Admission	Discharge
January	31	19
February	30	27
March	31	22
April	21	18
May	38	31
June	31	22
July	45	28
August	39	36
September	37	26
October	31	29
November	35	27
December	39	24
Total	408	309

Procedure performed (Indoor)-Jan – Dec 2023

Procedure	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Paracentesis	05	06	04	06	04	07	04	11	05	08	02	05
Bed sore dressing	08	03	02	01	03	02	05	01	02	02	01	04
Wound dressing	02	02	06	02	04	07	14	09	08	10	02	05
Foley catheterization	03	1	-	02	04	01	01	02	02	03	01	02
Decompression (Machine)	-	-	01	03	05	02	01	-	01	02	-	01
Enema simplex	-	-	01	04	02	-	01	-	02	04	01	02
NG tube feeding	-	01	-	02	-	04	03	-	01	02	01	01
NG tube suction	-	02	-	03	04	02	01	-	-	01	01	02
Maggot dressing	-	01	-	-	02	01	02	-	01	02	-	01
Breast wound dressing	02	01	-	04	08	04	03	04	05	04	03	05
Lymphedema dressing	-	-	-	-	-	-	-	02	02	02	12	17

## Department of Physical Medicine and Rehabilitation




The Department of Physical Medicine and Rehabilitation is one of the key departments in the National Institute of Cancer Research and Hospital (NICRH). With the objective to provide high quality and comprehensive psychiatric services to the cancer patients, the department has been working relentlessly in collaboration with other departments of the institute in pursuit of excellence since its inception. The main goal of cancer rehabilitation is to relieve pain, decrease disability, improve function of the affected body part and thereby improve the quality of life (QoL) of cancer patients




(Staffs of Department of Physical Medicine and Rehabilitation, NICRH)

**Staff:** Currently the department is comprised of one associate professor (as head), one assistant professor and two medical officers who are qualified psychiatrists with vast knowledge and skills in the domain of cancer rehabilitation. In addition to that, there are two experienced physiotherapists, two rehabilitation nurses and internee physiotherapists attached from Institute of Health Technology (IHT), Dhaka.



Sl. No.	Name & Designation	Picture
01	Dr. Prasanta Kumar Chakraborty Associate Professor and Head	
02	Dr. Neelufar Rahman Assistant Professor	
03	Dr. Sadat Khondakar Medical Officer Medical Officer	
04	Dr. Md. Ehsanul Alam Medical Officer	
05	Shilpi Khatun Senior Staff Nurse	
06	Mst. Umme Salma Senior Staff Nurse	
07	Dr. Md Mozaharul Islam Medical Officer	
08	Bilkis Akter Medical Technologist (Physiotherapy)	

Sl. No.	Name & Designation	Picture
09	Md. Moniruzzaman Medical Technologist (Physiotherapy)	

The department also has various types of modern physical therapy and exercise equipment like microwave diathermy (MWD), shortwave diathermy (SWD), ultrasound therapy (UST), transcutaneous electrical nerve stimulation (TENS), infra-red ray (IRR) machines, traction sets, stationary bicycles, parallel bar, exercise-wheel etc. The department takes pride in having the pressotherapy (intermittent pneumatic compression) machine required for the integrated management of lymphedema.

### Clinical activities

**Outdoor services:** The department operates its outpatient department (OPD) services from 8 am to 2.30 pm on every working day of the week except for government holidays. The bulk of the patients are referred from other outpatient departments (OPDs) and the most common presentation among them is swelling of upper or lower limb occurring due to lymphoedema resulting from the complications of breast cancer, lung cancer and cervical cancer etc. Trismus (lock jaw) is another frequently encountered condition. Patients also come with different musculoskeletal manifestations and complications of cancer and cancer treatments like post-surgical shoulder pain syndrome, adhesive capsulitis (frozen shoulder), soft tissue rheumatism, different fibroic conditions, degenerative conditions of neck, back, hip and knee, septic arthritis and cellulitis, chronic venous insufficiency, radiculopathy, myelopathy and plexopathies, peripheral neuropathies including carpal tunnel syndrome, cranial nerve palsies particularly facial nerve palsy and so on.



(Staffs delivering pressotherapy service to a patient)

Indoor services: Everyday a good number of indoor referrals are sent for consultation to the department. The physicians visit the concerned patients in their respective ward, chalk out the management plan and bedside rehabilitation services. If required, patients are transported to the department and services are provided by the physiatrists and other skilled staff like physiotherapists and rehabilitation nurses.

#### Patient statement of the department for the year 2023:

Month	Male	Female	Total
January	54	151	205
February	54	127	181
March	81	180	261
April	73	99	172
May	89	111	200
June	98	111	209
July	51	117	168
August	49	148	197
September	39	190	229
October	58	163	221
November	33	155	188
December	17	89	106
Total	696	1641	2337



(Patient receiving deep heat therapy)

**Academic activities:** The department has diverse and vibrant academic activities round the year. It actively participates in the weekly continued medical education (CME) sessions. Residents of MD Phase-B residency program from different departments are placed here on rotation and they are provided with the basic knowledge of comprehensive rehabilitative management of musculoskeletal and neurological complications arising in cancer patients. The internee physiotherapists placed here for specific period also receive hands on clinical and practical knowledge from the faculty members. The department organizes fortnightly academic sessions/presentations within the department for the continued development of all its members and staffs. In addition to that, residents from Dhaka Medical College and Bangabandhu Sheikh Mujib Medical University (BSMMU) and trainees from Bangladesh College of Physicians and Surgeons (BCPS) come to the department for their thesis/dissertation work, particularly related to lymphedema rehabilitation.

**Research and publications:** All the members of the department are actively engaged in different research activities, especially in context of the mission and vision of the institute. The physiatrists of the department have several article publications in renowned national and international journals. Number of publications of the staffs of the department in recent years is as follows:

Sl. No.	Name and designation	Recent works	Reference
1.	Dr. Prasanta Kumar Chakraborty, Associate Professor	1. The Association of Night Splint to NSAID+ ADL Instruction in Improving Pain and Functional Performance: An Observational Study <b>(Co-author)</b>	Cite as: Dilir Jamal, Mohammad Habibur Rahman, Moinuddin Hossain Khan, Ripon Kumar Saha, Prasanta Kumar Chakraborty. The Association of Night Splint to NSAID+ ADL Instruction in Improving Pain and Functional Performance: An Observational Study. SAS J Surg, 2023 Mar 9(3): 190-193.  DOI:10.36347/sasjs.2023.v09i03.011
2.	Dr. Prasanta Kumar Chakraborty, Associate Professor	1. "Cross cultural validation of the Bangla version of the Functional Independence Measure for Patients with Stroke" <b>(Principal author)</b> 2. "Bangla Version of Lymphedema Life Impact Scale Version 2: Reliability and Validity	Scholars Journal of Applied Medical Sciences, Volume 11, Issue 04, April 2023, Page: 679-686 DOI:10.36347/sjams.2023.v11i04.002  KYAMC Journal, Volume 12, Issue 04, January 2023, Page: 198-203 DOI: 10.3329/kyamcj.v13i4.65053

**Other activities and achievements:** Staffs of the department enthusiastically take part in the monthly health education program arranged for the cancer patients and their caregivers. They also participate as resource persons in different training programs organized by the institute and play administrative roles as time to time assigned by authority. With the dynamic and visionary leadership of the concerned persons and dedicated contribution of the staffs, the Department of Physical Medicine and Rehabilitation has evolved to be a place of trust, confidence, professionalism and quality service to the patients coming to NICRH.

## Department of Plastic and Reconstructive Surgery

Sl. No.	Name & Designation	Picture
01	Dr. Nasrin Sultana Assistant Professor & Head	
02	Dr. Ayesha Siddika Registrar	
03	Dr. Anjana Saha Registrar	
04	Dr. Hosne Ara Laizu Assistant Registrar	
05	Dr. Abdullah Al Mamun Medical Officer	



### Major operations done in 2023

Diseases	Male	Female	Total
Squamous cell carcinoma	28	27	55
Basal cell carcinoma	12	8	20
Malignant melanoma	7	4	11
Others	30	24	54
Grand Total			140

### Minor OT done in 2023

Male	Female	Total
22	13	35

### Outdoor services – Jan to Dec 2023

Months	Male	Female	Total
January	59	42	101
February	47	32	79
March	35	41	76
April	44	19	63
May	49	53	102
June	52	36	88
July	64	40	114
August	48	28	76
September	50	30	80
October	62	34	96
November	32	27	59
December	39	42	81
	Total- 581	Total- 434	Grand Total- 1015

### 3. Clinical activities



BCC of upper lip- pre OT



After excision- per OT



After reconstruction by ABBE flap



SCC of left heel-pre OT



after excision



after reconstruction with medial  
planter artery flap

# Radiation Oncology

The Department of Radiation Oncology has been providing quality assured Clinical and Radiation Oncology services since 1995. The Radiation Oncology Team at NICRH has a unique mix of doctors, medical physicists and technicians. The department focuses on patient centric care using radiotherapy facilities available to enhance the patients journey through the stressful time of cancer care. Radiotherapy refers to the precise delivery of a high energy of radiation targeted to cancer. It is one of the most common and one of the most effective treatment modalities used for curative treatment of cancers. Whilst cure may not be possible in all cases, symptom control (palliation) is commonly achieved with the appropriate use of radiation therapy. As a department that practices clinical oncology, the staff are highly skilled not only in the use of radiation, but departmental consultants also use systemic therapy including chemotherapy, targeted therapy and immunotherapy. Our clinicians are trained and accredited for such practices from reputed institutes and universities, allowing continuity of care for the patients within the department. The focus of each and every staff in the department is to improve patient care with compassion.



Doctors of Department of Radiation oncology



Blue Unit, Radiation Oncology



Red Unit, Radiation Oncology



Green Unit, Radiation Oncology

## Outpatient Department (OPD): 1st Floor of C Block, Room 206-208

The Radiation Oncology Outpatient Department at the National Institute of Cancer Research and Hospital (NICRH) is a cornerstone of the institution's patient care strategy. In this highly efficient department, patients are initially diagnosed and assessed, setting the stage for their treatment journey. A key feature of the outpatient department is its multidisciplinary tumor board, which plays a crucial role in formulating comprehensive treatment plans. This board, consisting of experts from various specialties, reviews each case in detail, ensuring that decisions are made collaboratively to optimize patient outcomes.

Once a treatment plan is established, patients are directed to either radiotherapy or chemotherapy based on their specific needs. The department's dedicated team of radiation oncologists, nurses, and support staff work seamlessly to implement these plans, providing exceptional care and support throughout the process. The expertise and commitment of the outpatient team ensure that each patient receives personalized and effective treatment, making the Radiation Oncology Outpatient Department a vital and highly regarded component of NICRH's cancer care services.



## Inpatient Department (IPD): Ward 1-8 & Cabin at C Block

The In-Patient Department (IPD) of Radiation Oncology at the National Institute of Cancer Research and Hospital (NICRH) is a key facility where both radiotherapy and chemotherapy patients receive essential care. Although the department operates with some technological and resource constraints, it remains steadfast in its mission to deliver effective radiotherapy in various clinical settings, including both curative and palliative approaches. This flexibility in treatment options allows the IPD to address the diverse needs of its patient population, providing tailored care that aligns with each individual's specific condition and stage of cancer.

Despite these challenges, the department is distinguished by the exceptional expertise of its radiation oncologists, who lead the medical team with a deep commitment to patient care. They are supported by a cadre of highly motivated trainees and resident doctors who contribute significantly to the treatment process. Together, this dedicated team ensures that patients receive comprehensive and compassionate care throughout their stay, making the most of the available resources to achieve the best possible outcomes.

In addition to the clinical care provided, IPD also plays a crucial role in patient management, offering continuous monitoring and support to those undergoing intensive treatment. The team's ability to provide high-quality care despite resource limitations is a testament to their skill, dedication, and the cohesive teamwork that defines the department. As a result, the IPD of Radiation Oncology at NICRH stands as a vital component of the hospital's cancer care services, ensuring that patients receive the necessary treatment and support, even in the face of challenges.

## Radiation Treatment Units: B Block, Planning Room 153, Remarking Room 152, Cobalt (Phoenix), Linac3, Linac 4 and Brachytherapy Unit:

The Radiation Planning unit at the National Institute of Cancer Research and Hospital (NICRH) is essential for delivering External Beam Radiotherapy (EBRT) to a substantial patient population across the country. The department faces several technological challenges, including reliance on outdated equipment. Currently, advanced 3D conformal radiotherapy is not available, and the team uses 2D radiotherapy with two linear accelerators (Linacs) and one cobalt machine. These machines sometimes experience outages, causing occasional interruptions in treatment. Despite these difficulties, the dedicated and knowledgeable team of oncologists and medical staff work tirelessly to provide effective care and ensure that patients continue to receive necessary treatments.

The brachytherapy unit at NICRH runs efficiently, providing high-quality care in this specialized treatment area. This aspect of the department functions well, maintaining a standard of care that meets patient needs effectively.

Looking ahead, the arrival of new, state-of-the-art radiation machines represents a significant improvement. These anticipated upgrades will enhance the department's capabilities and allow the team to offer more advanced treatment options, further improving the overall patient care experience.



Planning room



Remarking room

## Radiation Follow-up facility: B block, Room 114

The Radiation Treatment Follow-Up and Management Section at the National Institute of Cancer Research and Hospital (NICRH) is crucial for the ongoing care of patients undergoing or who have completed radiation therapy. This section ensures comprehensive management and support during and after treatment.

For patients currently receiving radiotherapy, the team provides continuous monitoring to assess treatment responses, manage side effects, and make any necessary adjustments to the treatment plan. For those who have completed their radiation therapy, the section focuses on follow-up care to evaluate treatment outcomes, address any residual or late-onset side effects, and ensure that recovery is proceeding as expected.

The dedicated team of radiation oncologists, nurses, and support staff works collaboratively to offer personalized care, provide symptom management, and coordinate with other specialties to address any complications or long-term effects. Their commitment ensures that patients receive optimal care throughout their treatment journey and recovery, enhancing their overall well-being and quality of life.



Follow Up Room

## Radiation Oncology Chemotherapy Day Care: C Block Room 301,302,307 and Day Care Section

In the Radiation Oncology Department of the National Institute of Cancer Research and Hospital (NICRH), the Chemotherapy Day Care unit operates with a dedicated team of radiation oncologists who are deeply committed to providing exceptional patient care. The unit is equipped with a specialized drug delivery, dispensing, and reconstitution facility that adheres to the European Society for Medical Oncology (ESMO) standards, ensuring the highest level of precision and safety in chemotherapy administration. In addition to these advanced capabilities, the unit is also notable for providing free access to chemotherapeutic agents, making life-saving treatments available to all patients, regardless of their financial circumstances. The team not only administers these treatments but also supervises patients closely during and after chemotherapy, managing side effects and ensuring comprehensive care throughout the treatment process. This combination of expert care, advanced technology, and free drug accessibility highlights the NICRH Chemotherapy Day Care unit's commitment to excellence and equity in cancer treatment.



Day care room



Chemotherapy day care centre

## Academic Activities

The Radiation Oncology Department at the National Institute of Cancer Research and Hospital (NICRH) is deeply involved in various academic activities that support both the advancement of the field and the development of its staff. These activities include:

- **Training and Education:** NICRH offers a comprehensive training program for medical students, residents, and fellows. This includes hands-on clinical experience, lectures, and workshops, ensuring a thorough education in radiation oncology. Currently, the department hosts around 30 students across different phases of their training, including residency, non-residency, and FCPS courses.



Post Graduate Students of Radiation Oncology



- **Research Projects:** The department engages in research aimed at enhancing radiation therapy techniques, exploring new treatment modalities, and improving patient outcomes. These studies contribute valuable insights to the broader medical community.



Post Graduate Young Oncologists

- **Continuing Medical Education (CME):** The department organizes and participates in CME activities such as conferences, seminars, and workshops. These events provide ongoing professional development and opportunities for knowledge exchange.



CME of Radiation Oncology Department



CME of Radiation Oncology Department

- **Multidisciplinary Tumor Board Meetings:** Regular tumor board meetings involve discussions of complex cases with input from various specialties. These meetings enhance patient care and serve as a platform for collaborative learning.



Multidisciplinary Tumor Board

Through these academic endeavors, the Radiation Oncology Department at NICRH fosters a culture of continuous learning and innovation, contributing to the excellence of cancer care provided at the institute.

## Statistics Of Department of Radiation Oncology NICRH

### In Patient Department:

Sl. No.	Month	IPD	OPD	Daycare	EBRT	Brachy.
1	January	202	1305	1133	183	135
2	February	187	1136	1394	175	133
3	March	220	1105	1511	161	133
4	April	251	1424	1374	136	96
5	May	317	1765	1287	123	99
6	June	272	1605	1010	153	103
7	July	261	1722	1400	137	73
8	August	251	1299	1846	163	100
9	September	219	1217	1745	128	79
10	October	243	1254	2095	182	87
11	November	236	1284	2189	262	82
12	December	201	1275	2354	242	85
Total		2860	16391	18338	2045	1205

Sl. No.	Name & Designation	Picture
01	Prof. (Dr.) Rakib Uddin Ahmed Professor & Head	
02	Prof. Dr. Rowshon Ara Begum Professor	
03	Dr. Rownak Jahan Amin Associate Professor	
04	Dr. Shahida Alam Associate Professor	
05	Dr. Asma Siddiq Associate Professor	
06	Dr. Ranada Prasad Roy Assistant Professor	
07	Dr. Samia Ahmed Assistant Professor	
08	Dr. Masudul Hasan Arup Assistant Professor	

Sl. No.	Name & Designation	Picture
09	Dr. Rubina Sultana Assistant Professor	
10	Dr. Kamruzzaman Rumman Assistant Professor	
11	Dr. Hosne Ara Begum Assistant Professor	
12	Dr. Mehbub Ahsan Rony Assistant Professor	
13	Dr. Md. Abdullah – Al – Noman RS	
14	Dr. Sharmin Billah Registrar	
15	Dr. A. T. M. Sazzad Hossain Registrar	
16	Dr. Sarowat Sultana Registrar	






Sl. No.	Name & Designation	Picture
17	Dr. Sayem Shahriar Asst. Registrar	
18	Dr. Touhida Akther Asst. Registrar	
19	Dr. Jannatul Ferdous (Mishu) Asst. Registrar	
20	Dr. Rubana Sabrin Asst. Registrar	
21	Dr. Ranjan Kumar Bhowmick Asst. Registrar	
22	Dr. Rezwanul Quader Asst. Registrar	
23	Dr. Md. Shariful Islam Medical Officer	
24	Dr. Nusrat Haque Medical Officer	

Sl. No.	Name & Designation	Picture
25	Dr. Tanzina Tazin Medical Officer	
26	Dr. Tania Sultana Medical Officer	
27	Dr. Md Shaheen Ferdous Medical Officer	
28	Dr. Shabiha Akter Salam Medical Officer	
29	Dr. S. K. M. Rasel Medical Physicist	
30	Dr. Kamrun Nahar Tania Senior Medical Physicist	
31	Dr. Mohammed Shaiful Hassan Shameem Medical Officer	
32	Dr. Azizur Rahman Medical Officer	



Sl. No.	Name & Designation	Picture
33	Dr. Mahfuza Anjum Medical Officer	
34	Dr. Arifur Rahman Medical Officer	
35	Dr. Md. Mizanur Rahman Medical Officer	
36	Dr. Kazi Iftekhar Uddin Ahmed Medical Officer	
37	Dr. Mohammad Ashraf-Us- Zaman Mahmud Medical Officer	
38	Dr. Asish Chowdhury Medical Officer	
39	Dr. Nisha Mortuja Akter Medical Officer	
40	Dr. Afia Jahan Rosni Medical Officer	

Sl. No.	Name & Designation	Picture
41	Dr. Uday Kumar Sarker Medical Officer	
42	Dr. Saiful Alam Clinical Phychiatrist	
43	Dr. Asmaul -Ul-Hosna Medical Officer	



# Department of Radiology and Imaging

## Inpatient Department (IPD): Ward 1-8 & Cabin at C Block

Radiology and imaging play a vital role in modern healthcare and have significant importance in various aspects of patient care, particularly in cancer patients. It plays a critical role in the diagnosis, staging, treatment planning, and monitoring of cancer patients. There are some key reasons why radiology and imaging are crucial in cancer patient care:

- **Cancer Detection and Diagnosis:** Radiology and imaging techniques such as X-rays, computed tomography (CT), magnetic resonance imaging (MRI), and ultrasonography are employed to detect and diagnose various types of cancer. These imaging modalities help visualize tumors, assess their size, location, and characteristics, and identify any spread to nearby lymph nodes or distant organs.
- **Staging and Treatment Planning:** Once a cancer diagnosis is confirmed, radiology and imaging help determine the stage of the disease. Staging involves evaluating the size of the tumor, its extent of local invasion, and the presence or absence of metastasis. This information is crucial in formulating an appropriate treatment plan, including surgery, chemotherapy, radiation therapy, or a combination of these modalities.
- **Guiding Biopsies and Interventions:** Radiology-guided biopsies are frequently performed to obtain tissue samples for accurate diagnosis and tumor characterization. Imaging techniques such as ultrasound, CT, or MRI are used to precisely guide the needle to the desired area, ensuring optimal sampling while minimizing the risk of complications. Interventional radiology procedures, such as tumor ablation or embolization, can be performed using imaging guidance to treat tumors or manage symptoms.
- **Assessing Treatment Response:** During and after cancer treatment, radiology and imaging are used to evaluate the response to therapy. Repeat imaging studies, such as CT scans or MRI scans, help determine if the tumor has shrunk, remained stable, or progressed. These assessments provide valuable information for adjusting treatment plans and optimizing patient care.
- **Surveillance and Monitoring:** Radiology and imaging play a vital role in post-treatment surveillance and monitoring of cancer patients. Regular imaging studies are performed to detect recurrence or the development of new tumors. These scans can help identify potential disease progression and guide further management decisions accordingly.
- **Palliative Care:** In advanced stages of cancer, radiology and imaging techniques are employed to manage symptoms and improve the quality of life for patients. For instance, interventional radiology procedures may be used to alleviate pain, control bleeding, or relieve obstruction caused by tumors.
- **Research and Clinical Trials:** Radiology and imaging contribute to cancer research and the development of new treatment strategies. These techniques are utilized to assess the effectiveness of novel therapies, evaluate treatment response in clinical trials, and identify biomarkers or imaging signatures that can predict treatment outcomes or guide personalized medicine approaches.

Radiology & imaging Department is currently equipped with two CT scanners (1 is 160 slice & another is 16 slice), three ultrasonography machines & one X-ray unit. We are continuously performing about 1300 to 1600 ultrasonography in each month from 2015. When x-ray machine remains functioning with available film supply, we usually do 70 to 80 x-rays per day including contrast procedures. Currently we are performing 15 to 20 CT scans daily & about 20 to 30 CT-guided core-biopsies monthly. Our 16 slice CT scanner room is enriched with lesser beam & we perform CT guided procedures e.g. CT-guided FNAC & Core-biopsy with this machine. Our 160 slice CT scanner is for regular CT scanning.

The man behind these machines are radiologists, technologists & office staffs. We have one Associate professor, 3 assistant professors, 2 medical officers, 8 senior staff nurses, 8 technologist & 3 office maintaining stuffs including one rent-collector. Our professor post & 2 medical officer posts are vacant for many years.

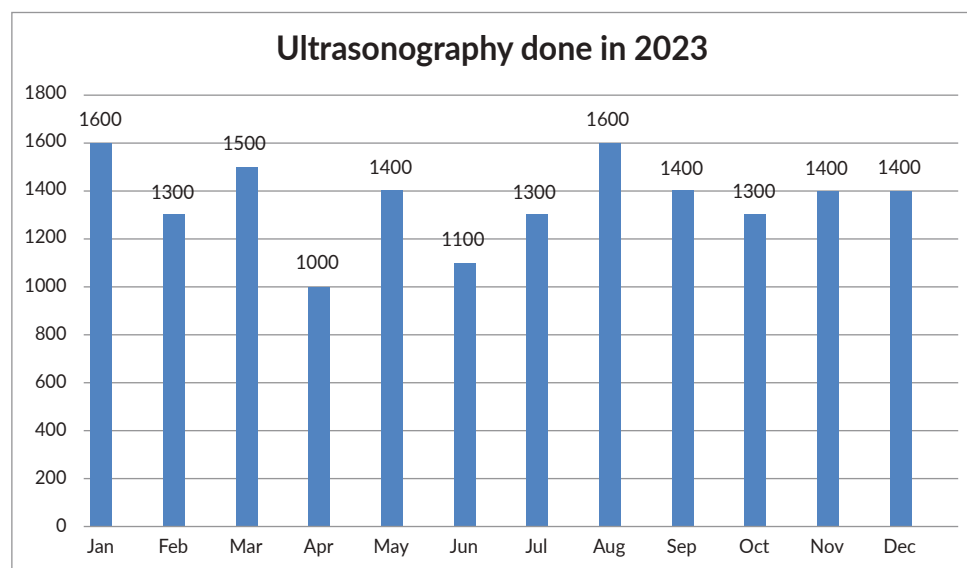
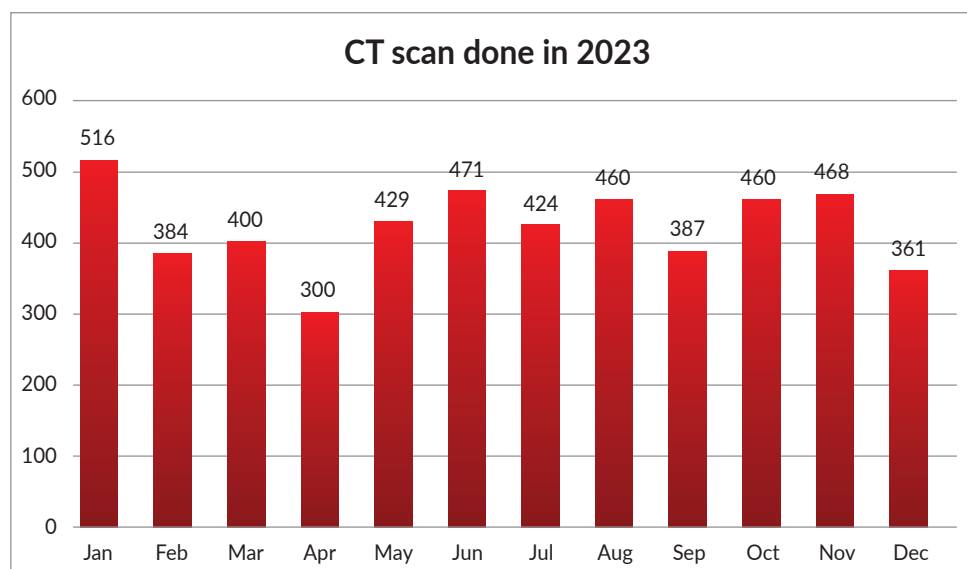
Mammography machine is for screening & diagnosis of female & male breast cancer, which is currently causing huge women's suffering & its incidence is gradually increasing in our country.

Ultrasound, also known as sonography, plays a crucial role in cancer patient care. It aids in tumor detection, localization, characterization, guided biopsies, treatment response monitoring, surveillance, and detection of recurrence. With its real-time imaging capabilities, safety, and versatility, ultrasound contributes significantly to the comprehensive management of cancer patients.

What we urgently need is fulfillment of vacant manpower posts & essential machines. We hope our long-lasting pain regarding absence of a 3T-MRI machine, a Digital Mammography machine (BDT), a 1000mA Digital X-ray machines & multiple high-end Ultrasound machines, will be relieved in year 2024, as these are essential machines for a prestigious tertiary level hospital & research institute like NICRH, and patient suffering will be minimized.





Radiology and imaging department of NICRH is a patient-friendly department in providing a positive and comforting experience for cancer patients undergoing various radiological procedures and these are indispensable tools in the comprehensive management of cancer patients.

As the radiology & imaging department plays a pivotal role in guiding diagnosis, treatment decisions, improving outcomes, and enhancing the overall care of cancer patients, So enrichment of this department is essential for the welfare of cancer inflicted people.



## Different procedures done on Department of Radiology and Imaging in the year 2023





Months	No of USG	No. of CT Scan	No. of CT Guided Procedure	No of X-rays
January	1600	516	38	0
February	1300	384	48	0
March	1500	400	45	0
April	1000	300	09	0
May	1400	429	41	0
June	1100	471	25	0
July	1300	424	27	0
August	1600	460	01	0
September	1400	387	0	0
October	1300	460	0	824
November	1400	468	0	622
December	1400	361	0	39
Total	16300	5907	234	1485

Sl. No.	Name & Designation	Picture
01	Dr. Mushtaque Ahmed Jalali Associate Professor & Head	
02	Dr. Farhana Parveen Assistant Professor	
03	Dr. Soheli Parveen Assistant Professor	
04	Dr. Khaled Bin Shamsuddin Assistant Professor	

Sl. No.	Name & Designation	Picture
05	Dr. Shamima Siddiquee Medical Officer	
06	Dr. Jahan Ara Medical Officer	
07	Kalyani Rani Senior Staff Nurse	
08	Nupur Baidya Senior Staff Nurse	
09	Nargis Khatun Senior Staff Nurse	
10	Sokhina Khatun Senior Staff Nurse	
11	Gayatri Mondal Senior Staff Nurse	
12	Imran Khan Senior Staff Nurse	



Sl. No.	Name & Designation	Picture
13	Md. Musharraf Hossain Medical Technologist	
14	Md. Alamgir Akon Medical Technologist	
15	Md. Ashraf Ali Medical Technologist	
16	Md. Nur Alam Medical Technologist	
17	Md. Alauddun Medical Technologist	
18	Mst. Badrun Nesa Medical Technologist	
19	Md. Abu Hanif Medical Technologist	
20	Md. Sohrab Hossain Medical Technologist	

Sl. No.	Name & Designation	Picture
21	Md. Moksud Ali	
22	Md. Abdus Sattar	
23	Mst. Faria Akhi	
24	Rashpal	

## DEPARTMENT OF RADIOLOGY & IMAGING

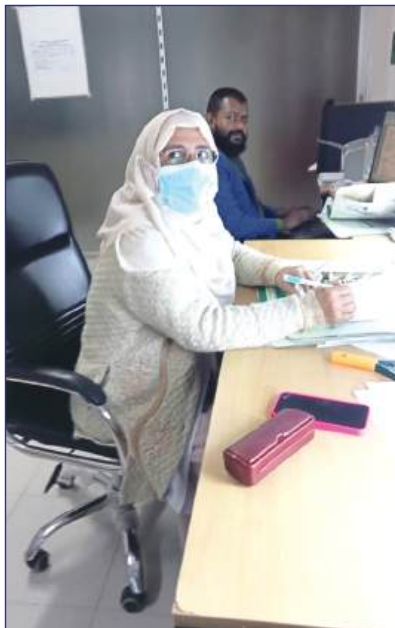


Departmental of Radiology & Imaging



Departmental of Radiology & Imaging

## Departmental Daily Activities









## Department of Surgical Oncology




Sl. No.	Name & Designation	Picture
01	Dr. Laila Shirin Professor & Head of the Department	
02	Dr. Md. Jahangir Kabir Associate Professor	
03	Dr. AKM Minhaz Uddin Bhuiyan Associate Professor	
04	Dr. Md. Shahajadul Alam Associate Professor	
05	Dr. Ahmed Mizanur Rahman Associate Professor	
06	Dr. Md. Nabir Hossain Associate Professor	
07	Dr. Mohammad Zillur Rahman Assistant Professor	
08	Dr. Md. Nurujjaman Sarker Assistant Professor	





Sl. No.	Name & Designation	Picture
09	Dr. Serajus Saleheen Assistant Professor	
10	Dr. Khandaker ABM Abdullah Al Hasan Assistant Professor	
11	Dr. Md. Ahsan Habib Assistant Professor	
12	Dr. K M Reaz Morshed Assistant Professor	
13	Dr. Md. Abu Sayem Assistant Professor (FCPS Surgical Oncology Trainee)	
14	Dr. Nadia Farzana Islam Assistant Professor (FCPS Surgical Oncology Trainee)	
15	Dr. Mohammed Ashrafur Rahman Junior Consultant (MS Surgical Oncology Resident)	
16	Dr. Mitu Debnath Junior Consultant	

Sl. No.	Name & Designation	Picture
17	Dr. Reazul Alam Junior Consultant (FCPS Surgical Oncology Trainee)	
18	Dr. Md. Jakir Hossain Junior Consultant (FCPS Surgical Oncology Trainee)	
19	Dr. Md Ashrafur Rahman Tamim Junior Consultant (FCPS Surgical Oncology Trainee)	
20	Dr. Mohammad Al-Mamun Junior Consultant (FCPS Surgical Oncology Trainee)	
21	Dr. Md. Mofizur Rahman Fuad RS (Surgical Oncology)	
22	Dr. Syeef Khalid Registrar	
23	Dr. Md. Abdus Salam Registrar	
24	Dr. Obaidul Hoque Assistant Registrar	

Sl. No.	Name & Designation	Picture
25	Dr. Mahmudul Hasan Masum Assistant Registrar	
26	Dr. Shoriful Alam Rubel Assistant Registrar	
27	Dr. Mizanur Rahman Assistant Registrar	
28	Dr. SM Sakib Kabir Assistant Registrar	
29	Dr. Fazilatun Akter Assistant Registrar	
30	Dr. Abdulla Al Mamun Medical Officer	
31	Dr. Taslima Akther Medical Officer	
32	Dr. Sumona Akter Azad Medical Officer	

Sl. No.	Name & Designation	Picture
33	Dr. Sazia Khan Bipasha Medical Officer	
34	Dr. Farzana Yasmin Medical Officer	
35	Dr. Kallol Dey Medical Officer	

Sl. No.	Name & Designation	Picture
01	Md Alamin PA	
02	Md Mahabubur Rahman Ward boy	

Sl. No.	Services Given		Number of patients attended												
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01	GIT Unit		582	632	730	394	467	387	440	613	507	484	467	476	
02	Breast Unit		779	697	713	443	486	535	684	733	677	671	591	621	
03	HB & Sarcoma Unit		247	278	267	145	190	149	223	223	205	375	178	202	
04	Ortho – Oncology Unit		156	174	143	140	132	126	102	136	127	133	122	137	
05	Referred to RS		15	05	07	15	10	-	-	-	15	-	-	03	
06	Admission	GIT Unit	40	32	21	26	42	36	37	51	54	38	27	43	
		Breast Unit	46	37	24	42	44	38	46	50	41	60	51	56	
		HB & Sarcoma Unit	22	21	09	18	34	23	23	22	21	28	22	22	
		Ortho – Oncology Unit	09	13	04	17	26	20	21	21	25	18	21	22	
07	Colonoscopy		-	-	-	-	-	18	31	50	-	46	41	25	
08	Endoscopy		-	-	-	-	-	30	34	36	-	34	35	43	
09	Stenting	Oesophagus	-	-	-	-	-	-	05	--	-	01	-	02	
		Stomach	-	-	-	-	-	-	-	--	-	-	01	--	
10	ERCP		-	-	-	-	-	-	-	-	-	-	-	2	
11	CT (Scan) guided Core biopsy		33	41	34	13	30	-	18	--	--	--	-	-	
12	Biopsy		102	89	122	89	80	136	108	97	60	100	120	106	
13	USG guided hydro-marker insertion in breast lesion		03	06	03	05	02	-	03	-	08	08	-	05	
	Total														

## Academic activities

Number of MS (Surgical Oncology) students: 6

Number of FCPS (Surgical Oncology) trainees: 8

Lectures: Given by faculties every Monday and Thursday at 7:00 am for Phase A and Phased B students and FCPS trainees based on the curriculum provided by BSMMU and BCPS.

Clinical Session: Case presentation is held every Monday at 8:00 am supervised by a faculty

Journal presentation: Held every Saturday at 9:30 am based on a recent, burning academic issue supervised by a faculty.

Research activities: Students and trainees of MS and FCPS Course are engaged in the research activities, supervised by the Professor, Associate Professors.

Examinations: Held at the end of each block and the results are published on a regular basis.

Training activities: The Department of Surgical Oncology appreciate training on management and surgical aspect of different types of cancer like Breast cancer, GIT cancers, Sarcoma (Bone & Soft tissues). Many specialist doctors have taken supervised training from different institutes like, Combined Military Hospital, Dhaka, Dhaka Medical College and Hospital. Students or trainees have to apply through the proper channel.

Workshop organized: Recently the department successfully organized a 2-days live workshop on upper GI cancer surgery. Eminent surgeon Dr. Rajesh Bhojwani from Jaipur, India along with doctors of Surgical Oncology, NICRH performed Open and Laparoscopic surgeries of GI Cancer, Esophageal Cancer. More than 200 doctors and surgeons from different hospitals of Bangladesh attended the workshop.



**LIVE WORKSHOP**  
ON  
**UPPER GI CANCER SURGERY**

**Registration Fee: 2000/-**

**Date** : 14th & 15th October  
**Time** : 8.00 AM 5.00 PM  
**Venue** : Abdul Gaffar Memorial Auditorium,  
National Institute of Cancer Research and Hospital, Mohakhali Dhaka.

**ALL SURGEONS ARE WELCOME**

**Live surgery on**

1. Laparoscopic Lower Radical Gastrectomy
2. Laparoscopic Total Radical Gastrectomy
3. Laparoscopic Extended Cholecystectomy
4. Laparoscopic liver resection
5. Open LRG with D2 lymphadenectomy
6. Open TRG with D2 lymphadenectomy
7. Ivor Lewis esophagectomy

**Only 250 Seats are Available**

**Registration online only**  
Link: <https://sonicrhd.com/index.php/register>

**Bkash & Hotline**  
017 1119 6458  
017 1722 2446  
017 2068 5728  
017 1264 3123

**Visit: [www.sonicrhd.com](http://www.sonicrhd.com) For Further Information**

**Dr. Rajesh Bhojwani**  
MBBS, MS (Surgery), MCh (Surgical Gastroenterology)  
Director, Surgical Services, SDM Hospital Jaipur, India.  
Past President, Society of Endoparasitologic Surgeons of India.

**Organized by:** Department of Surgical Oncology  
National Institute of Cancer Research & Hospital (NICRH), Mohakhali, Dhaka

**Society of Surgeons of Bangladesh (SSSB)**

**First Come First Registration**  
**Last date of registration: 10/10/2024**



## Endoscopy Facilities

The endoscopy unit has been running for the last five years. With our newly established Surgical Endoscopy and ERCP Suite from the first week of December 2023 we have expanded our interventional endoscopy services upper GI and Hepatobiliary cancer patients.

Beside diagnostic endoscopy and colonoscopy procedures we are going to offer following services in our Surgical Endoscopy and ERCP suite:

1. Diagnostic and therapeutic ERCP for Cholangiocarcinoma and GB cancer patients with progressive jaundice before NACT or palliative chemotherapy: 2 cases
2. Fluoroscope guided Per-cutaneous Trans-hepatic biliary drainage (PTBD)
3. Self-expandable metal stent (SEMS) placement for mid and distal oesophageal carcinoma with progressive dysphasia before NACT or palliative chemotherapy.
4. Per-cutaneous Endoscopic Gastrostomy (PEG) for proximal oesophageal cancer with progressive dysphasia.
5. Endoscope and fluoroscope guided dilatation of post-surgical and radiotherapy induced benign strictures.
6. Endoscopic evaluation and SEMS covering of post-surgical (oesophago-gastric and colo-rectal) anastomotic leak.
7. Better polyp/adenoma evaluation and snare polypectomy or resection of superficial flat polyps.

## Breast unit

January- October 2023

Data	Number of pt
No of allocated beds	23
Total admitted pt	572
Total discharged pt	544
Total pt attended in OPD	5987
Total no operations	504
Total no morbidity	15
Total no mortality	03

## Operations

Type	Number of pt
Mastectomy	259
BCS	192
OPBS	136
Others	53

Type	No of pt
MRM	207
Simple mastectomy	15
Palliative mastectomy	37

## Mastectomy

### BCS

Type	Total number
WLE	19
WLE + SLNB/ALND	52
Wire guided WLE +	36
SLNB/ALND	27
Re-excision + SLNB/ALND	

### OPBS

Type	Total number
Round block mammoplasty	19
Lateral mammoplasty	24
Medial mammoplasty	7
J mammoplasty	6
parallelogram	8
Grisotti mammoplasty	9
Inverted 'V' mammoplasty	5
Batwing mammoplasty	6
Hemi-Batwing mammoplasty	13
Novel Cross mammoplasty	14
WLE with wound coverage with LD flap	12

## LD flap



**GIT unit**  
January- Decmber,2023  
**Data**

A.Total Pt. Admitted 2023=243

Male=163

Female=80

**B.**

Sl. No.	Disease types	Number of Patients
01	Ca Oesophagus	26
02	Ca Stomach	134
03	Ca Duodenum	02
04	Ca Ascending colon	17
05	Ca Transverse colon	04
06	Ca Descending colon	16
S07	Ca Sigmoid colon	12
08	Ca Rectosigmoid junction	02
09	Ca Retum	47
10	Ca Anorectal Junction	15
11	Ca Anal canal	01
12	RVF	05
13	GIST	01
14	Metastatic ca stomach	01

## C. Operative Procedure Performed

Sl. No.	Operative Procedure	Number of Patients
01	LRG + Lap LRG	54
02	TRG	26
03	Palliative feeding jejunostomy	18
04	Gastro jejunostomy ( palliative)	13
05	Sweet Proccedure	06
06	Ivor Lewis Procedure	04
07	Gut reversal	13
08	Palliative loop ileostomy	05
09	Palliative loop colostomy	03
10	APER + Leparoscopic APER	20
11	Right hemicolectomy	22
12	Left hemicolectomy	05
13	Subtotal colectomy	01
14	Total colectomy	04
15	Sigmoid coletomy	05
16	High AR	16
17	Extended Rt. hemicolectomy	03
18	Exploratory laparotomy	10
19	Low AR	02
20	Ultra low AR	02
21	Post. Pelvic exeteration	02
22	WLE of perianal growth	01
23	Others :	
	A. Metastcetomy	01
	B. Repair of burst abdomen	01
	C. Staging Laparoscopy	02
	D. Proctoscopic biopsy	02
	E. D-J stenting	02

D. Pt. referred:

1. To Mou=22

2. To DMCH :04

Dengue -2,

Emergency Surgery-2

F. Conservatively Managed =10



Fig: LRG



## Department of Ortho-Oncology

List of Operation done in January to December 2023

Sl. No.	Name of Procedure	Total	Grand Total
	<b>Biopsy</b>		
1	Jamshidi Bone Biopsy		80
2	Core Biopsy		5
3	Excision Biopsy		10
4	Incision Biopsy		28
	<b>Amputation</b>		
5	Above Knee Amputation		16
	Right	11	
	Left	5	
6	Below Knee Amputation		3
	Right	2	
	Left	1	
7	Ray Amputation		3
	Right	1	
	Left	2	
8	Forequarter		5
	Right	1	
	Left	2	
	Palliative	2	
9	Palliative Syme's Amputation (Right)		1
10	Mid Thigh Amputation (Right)		1
11	Mid Arm Amputation (Right)		2
12	Hip Disarticulation		12
	Right	5	
	Left	4	
	Palliative	2	
13	Shoulder Disarticulation		4
	Right	1	
	Left	3	
14	Scapulectomy		3
	Partial	1	
	Near Total	2	
15	Curettage and Bone Grafting		3
	<b>Endoprostheses (EPR)</b>		
16	Wide Local Excision with EPR		15
	<b>Wide Local Excision (WLE)</b>		
17	WLE		13
18	WLE with LD flap		3
19	WLE with Fibula graft		2
20	Reversal of Ilizarov Ring		1
21	Excision of Osteochondroma		1
22	Implant Removal		2
23	Extraperiosteal Excision		1
24	Internal Hemipelvectomy		1
	Total		215



## Department of Transfusion Medicine

Sl. No.	Name & Designation	Picture
01	Dr. Farhana Islam Associate Professor & Head Of the department	
02	Dr. Hasiba Akhter Bhuiyan Assistant Professor	
03	Dr. Fantasir Md. Shibly Al Amin Medical Officer	
04	Md. Wasim Molla Medical Technologist (Lab)	
05	Md. Robiul Islam Medical Technologist (Lab)	
06	Farida Eyasmin Medical Technologist (Lab)	
07	Kush Chandra Sarker Medical Technologist (Lab)	
08	Kazi Nafis Rownak Alid Medical Technologist (Lab)	

Sl. No.	Name & Designation	Picture
09	Md. Shofiqur Rahman Computer Operator & counsellor	
10	Md. Ripon Hosen Out Sourcing	
11	Md. Yeasin Arafat Out Sourcing	

## Clinical Activities

1. Laboratory services – Blood Grouping & Rh Typing, Screening tests for TTI, Cross Matching, CBC, Phlebotomy.
2. Component Preparation – Whole blood, RCC, FFP, Random Donor Platelet, Apheresis- Platelet Concentrate.
3. Day Care Service

## Academic Activities

1. Hands-on Training and classes for Trainee doctors & Medical technologist
2. Research paper published on CANCER JOURNAL OF BANGLADESH, Vol-4, No-1, January 2023 Titled "Apheretic Platelet Transfusion during Cov-19 Pandemic: Experience from a Tertiary Care Cancer Hospital"

## Data of Patient Service for the year 2023

Month	Transfusion	IPD service	Apheresis	Blood Group	HBsAg Screening	Anti HCV	CBC
January	188	488	112	66	70	35	
February	166	295	88	53	69	25	
March	205	345	63	64	98	45	
April	82	152	16	30	58	20	
May	183	389	25	55	106	45	21
June	155	327	16	57	89	45	
July	188	300	57	59	90	40	04
August	180	350	90	76	88	59	15
September	192	352	84	61	79	48	10
October	181	343	110	62	101	42	08
November	209	328	100	43	65	34	25
December	210	261	100	25	55	27	10

## Nursing Department

In 2023, NICRH employed 567 nurses, including one Nursing Superintendent, ten Nursing Supervisors, and 556 Senior Staff Nurses. Of the 556, 47 were on deputation for higher education, 29 on maternity leave, and 30 attached to other hospitals.

### Education & Training

A total of 450 Senior Staff Nurses worked across various departments. In 2023, 59 nurses completed advanced studies, including 4 nurses earning an M.Sc. in Nursing from BSMMU, 16 completing MPH programs, and 39 obtaining a B.Sc. in Nursing from different institutions. One nurse is studying in the USA, and 33 are pursuing higher education in Bangladesh.

Nurses at NICRH regularly undergo training in fields such as Infection Prevention, Intensive Care, Adult Nursing, Cardiac Nursing, Chemotherapy, Hospital Management, and Management Information Systems, often through the Directorate General of Nursing and Midwifery (DGNM) and Directorate General of Health Services (DGHS).

### Research

Around 10 nurses have completed academic research, with two publications in the International Journal of Medical Science and Clinical Research Studies in 2023. Five additional research papers are in progress.

### Nursing Leadership

**Nursing Superintendent:** Nurun Nahar Begun joined NICRH in 2022, following a distinguished career in nursing. She completed a Master of Public Health Nursing from Dhaka University in 2013 and previously served as a lecturer at Dhaka Nursing College. As Nursing Superintendent, she effectively oversees nursing operations and addresses staff concerns.

**Deputy Nursing Superintendent:** Majeda Khatun has served NICRH since 2019, after a long career, including her role as a Senior Staff Nurse at DMCH starting in 1985. She completed her Master of Public Health Nursing in 2013 from Northern University.



### Nursing Supervisors

The 10 Nursing Supervisors at NICRH are responsible for managing Senior Staff Nurses across various departments. They ensure proper nurse placement and provide guidance on delivering quality care to patients.

### Senior Staff Nurses

NICRH nurses deliver comprehensive indoor and outdoor health services. Inpatient care includes services in wards, the ICU, operation theater, post-operative care, day care, and palliative care. Outpatient services span multiple specialties, including surgery, medicine, ENT, dental, gynecology, pediatrics, and oncology. Nurses maintain the highest standards of care across all departments.



## Nursing Departments



Ward no. 2



While providing care to the patients



Day Care



Paediatric Haematology and Oncology Division



Intensive Care Unit



Record Room



Management Information System

## LFC Project Summary

Leadership for change (LFC) is a project organized by ProNurse project, Cowater International, the Global Affairs Canada (GAC) in collaboration with ICN (International Council for Nurses) and DGNM (Directorate General of Nursing and Midwifery) for Empowering women through Professionalization of the Nursing Sector in Bangladesh. Our project title is Strategies to Enhance Communication between Doctors, Nurses and Patients.

### Project information

- Successfully gained permission to do the project in three hospitals in Bangladesh.
- Dr. Kristine Qureshi, Global Director of ICN; Dr. Selina Amin, ProNurse Team Leader, and Salma Afroz Lily, National Nursing Specialized of the Nursing Sector in Bangladesh coordinates all activities of the LFC project.
- A team consisting of 10 members is formed at the National Institute of Cancer Research and Hospital, Mohakhali, Dhaka, including the Director, Deputy Director, Nursing Superintendent, Team Leader, and 9 other Senior Staff Nurses.

### Activities of the project

- The project begins in January 2023 with the collection of baseline data from doctors, nurses, and patients.
- Various activities are organized to enhance communication between doctors, nurses, and patients.
- Two wards, Ward-2 and Ward-3, are selected for project implementation.
- Health education sessions are held twice a week for patients and their family members to inform them about the hospital's services and the various preventive and curative services available.
- Awareness programs are developed for patients regarding screenings such as VIA, Pap smear, colposcopy, HPV DNA testing, breast self-examination (BSE), oral cancer screening, and others.
- A Continuous Nurses Education (CNE) program is arranged for nurses in the selected wards.



CNE by LFC team member



Global Director of ICN visit the NICRH



Team Leader Kazi Amena Akter

**'NURSES DISPENSE COMFORT,  
COMPASSION  
AND CARING  
WITHOUT EVEN A  
PRESCRIPTION'**

## Library

The library of the institute is located on the 4th floor of the South block of the administrative building. It has a floor space of about 3000 sq ft with a sifting capacity of about 100 students. The library is fully air-conditioned. There are 2941 books and 40 journals are available in this library. The service hours of the library start at 8.00 am and closes at 8.00 pm on every working day.

### Activities




Circulation and reference services

### Facilities

Computerized book loan services (home issue), information services

### Number of books purchased during 2023-2024 financial year

Sl. No.	Subject	Number
1	Radiation Oncology	20
2	Medical Oncology	09
3	Surgical Oncology	07
4	Plastic Surgery	01
5	Gynaecological Oncology	14
6	Pathology	09
7	Microbiology	02
8	Hematology	02
9	Radiology and Imaging	01
10	Genito-urinary Oncology	01
11	Cancer Epidemiology	02
12	Paediatric Haemato Oncology	01
13	ENT Oncology	01

Sl. No.	Name & Designation	Picture
01	Khondoker Ashsanul Islam Librarian	
02	Tashnova Moon Assistant Librarian	
03	Moulana Md. Enamul Haque Imam, Additional duty at Library	







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