



# YEAR BOOK 2025



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Year Book 2025

# Bangladesh Shishu Hospital and Institute

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**CHIEF ADVISER**  
GOVERNMENT OF THE PEOPLE'S REPUBLIC OF  
BANGLADESH

05 Magh 1432  
19 January 2026

## Message

I am pleased to extend my warm greetings to Bangladesh Shishu Hospital and Institute on the publication of its Year Book 2025.

Established in the aftermath of the 1971 Liberation War, Bangladesh Shishu Hospital and Institute has grown into a nationally and internationally recognised centre of excellence in paediatric healthcare, postgraduate medical education, and research. This remarkable journey reflects the nation's unwavering commitment to safeguarding the health and future of its children.

In recent years, the institution has achieved notable progress in clinical services, academic programmes, and research capacity. The expansion of specialised care, adoption of modern diagnostic and therapeutic technologies, strengthening of subspecialty services, and continuous improvement in teaching and training have significantly enhanced the quality of childcare across the country.

I commend the collective efforts of the management board, doctors, researchers, students, and allied health professionals, whose dedication and teamwork have strengthened institutional governance, service delivery, and public trust.

I wish Bangladesh Shishu Hospital and Institute a grand success.

**Professor Muhammad Yunus**



### Advisor

Ministry of Health & Family Welfare  
Government of the People's Republic of Bangladesh

# Message

I am happy to state that Bangladesh Shishu Hospital & Institute is going to publish Year Book–2025. I thank all related to this publication.

Bangladesh Shishu Hospital & Institute is a leading institution in the field of child health care, medical education, and research in the country. The current Management Board, formed on 19 February 2025, has made progress in improving child health under the overall supervision of the Ministry of Health and Family Welfare. This Year Book 2025 presents a brief and documentary picture of the past one-year activities, achievements, and future action plans. It reflects improvements in the quality of medical services, the use of modern technology, human resource development, and research-based initiatives.

I believe that this publication will serve as an effective document in ensuring transparency and accountability of the institution, as well as in planning for the future. The dedication and professionalism of all the doctors, teachers, officers, and employees involved behind the progress of Bangladesh Shishu Hospital & Institute are worthy of praise. I thank them for their sincere efforts.

I wish Bangladesh Shishu Hospital & Institute will set an example of excellence and humanity in child health services.

**Nurjahan Begum**  
Advisor  
Ministry of Health & Family Welfare  
Government of the People's Republic of Bangladesh



**Secretary**  
Health Service Division  
Ministry of Health and Family Welfare



It gives me great pleasure to convey my heartfelt greetings and best wishes to the Bangladesh Shishu Hospital and Institute (BSH&I) on the publication of its Year Book 2025.

BSH&I have long been recognized as a centre of excellence in child health services, education, and research in Bangladesh. Through its dedicated team of physicians, nurses, health professionals, and support staff, the institute continues to play a pioneering role in improving paediatric healthcare and advancing child-centered clinical practices in the country.

The Government remains firmly committed to strengthening maternal, neonatal, and child health services in line with the national health priorities and sustainable Development Goals. In this journey, the contribution of BSH&I particularly in specialized care, capacity building, and academic development is truly commendable.

I hope that Year Book 2025 will serve as a valuable documentation of achievements, clinical activities, research initiatives, and future aspirations of the institute. I am confident that Bangladesh Shishu Hospital & Institute will continue to uphold its commitment to compassionate care, innovation, and excellence in pediatric health services.

I wish the hospital, its leadership, and the entire BSH&I family continued success in years ahead.

**Md. Saidur Rahman**  
Secretary  
Health Service Division  
Ministry of Health and Family Welfare  
Government of the People's Republic of Bangladesh

**MessagE**



### Chairman

The Management Board  
Bangladesh Shishu Hospital & Institute

# Message

My heartiest congratulations and best wishes to all the respected members of the Bangladesh Shishu Hospital and Institute family- the teachers, officers, staff, students and well-wishers.

The Year Book 2025 is a unique document of our annual journey- reflecting our achievements, academic excellence, creativity and collective hard work. The aim of this management board is to uphold the highest standards of patient care and well-being through continuous improvement in the quality of its management and services. Significant emphasis has been placed on patient comfort and treatment outcomes by modernizing facilities and introducing several new initiatives. These include the renovation of the Cardiac ICU, the launch of a brand-new echocardiography machine, and the enhancement of OPD services.

In addition, the hospital has benefited from generous donations, expanded evening and holiday consultancy services, and strengthened its workforce through comprehensive training programs for staff and doctors. The recent appointment of 65 Resident Medical Officers further reinforces our commitment to delivering timely, efficient, and high-quality healthcare to all patients.

Our main goal is to create a skilled generation combining knowledge, technology and human values in a changing world. The achievements of our doctors, not only in terms of academic excellence but also in terms of research, social responsibility, have strengthened the progress of the institution. The Management Board is always committed to building a modern, ethical and education friendly environment, so that the world leaders of tomorrow are developed from this institution.

I acknowledge with deep gratitude the dedication of the teachers and officials, the trust of the parents and the hard work of the students. Hopefully, this progress of Bangladesh Shishu Hospital and Institute will be further strengthened in the future and we will collectively open new horizons of success.

May Allah bless us all.

**Professor Dr. AKM Azizul Hoque**  
Chairman, Management Board  
Bangladesh Shishu Hospital & Institute



**Director**  
Bangladesh Shishu Hospital & Institute  
&  
Member Secretary, Management Board



Bangladesh Shishu Hospital & Institute (BSH&I) stands as a symbol of compassionate care, professional excellence, and collective responsibility for the nation's children. As an autonomous institution supported by government grants and the generous partnership of donors, BSH&I has grown into the country's largest paediatric healthcare and academic centre, delivering comprehensive subspecialty services while nurturing future paediatricians through hands-on education, training, and research.

Over the past year, the hospital has significantly strengthened its critical and diagnostic care services. Notable achievements include the modernization of the Cardiac Intensive Care Unit (CICU), the establishment of Bangladesh's first Surgical Intensive Care Unit (SICU), and the introduction of advanced diagnostic tests such as TORCH panel, SMA gene analysis, IL-6, Vitamin B-12, and folic acid. Infrastructure upgrades—including endoscopy suites, echocardiography, apheresis, CRRT, and blood component facilities—have directly expanded access to timely, life-saving treatment for children across the country.

Looking ahead, our vision is to further elevate paediatric care through the installation of CT scan and MRI facilities, expanded genetic testing for DMD and CFTR genes, and increased bed capacity. In this regard, we are actively pursuing validation of the Bangladesh Shishu Hospital & Institute Extension Project-2 under the Ministry of Health and Family Welfare to meet the growing demand for specialized care.

The dedication and teamwork of our teachers, doctors, staff, and students are our greatest strength. We remain committed to advancing hospital services and academic excellence toward a more modern and prosperous future. Year Book 2025 is not only a record of our achievements but also a reflection of the integrated growth of BSH&I's academic and clinical services, inspiring us all to move forward with renewed vision, responsibility, and purpose.

**Prof. Dr. Md. Mahbubul Hoque**  
Director  
Bangladesh Shishu Hospital & Institute  
Member Secretary, Management Board  
Bangladesh Shishu Hospital & Institute

**Messag**e



**Academic Co-ordinator**  
Bangladesh Shishu Hospital & Institute

# Message

As we reflect upon the Year Book 2025, I extend my heartfelt appreciation and pride to every member of the Bangladesh Shishu Hospital & Institutes' academic and clinical community. This year book stands as a testament to the dedication, compassion, and professional excellence demonstrated throughout the year within our unique paediatric hospital-based institution.

On 30 January 1983, Bangladesh Institute of Child Health (BICH) was established as the academic wing of Dhaka Shishu (Children) Hospital that is now officially recognized as Bangladesh Shishu Hospital & Institute. This institute is academically affiliated with the University of Dhaka, Bangladesh College of Physicians and Surgeons (BCPS), and the Bangladesh Medical University (BMU); offers FCPS, MD Residency and Non-Residency programs. Several basic science departments were established in 2006 and conducts Diploma in Paediatric Nursing course under Bangladesh Nursing Council and a Bachelor of Science (BSc) in Health Technology course under the University of Dhaka. BSHI holds a distinct position as an academic centre integrated within a paediatric healthcare environment, where education and patient care go hand in hand.

The number of students qualified in different courses in academic year 2025 was 313. This year has been enriched by academic achievements. Sixty three students qualified in different courses and newly admitted students in different courses were 108. The success of BSHI is deeply rooted in the tireless efforts of our faculty members, clinical supervisors, hospital staff, and the unwavering dedication of our students. I feel so much honoured to state that since its inception a total of 727 paediatricians have been qualified from this institute.

May this Year Book 2025 serve as a source of inspiration, a reminder of achievements, and shared commitment to advancing child health. Wishing all our learners continued success, professional fulfilment and a future dedication to child health care.

With warm regards,

**Prof. Dr. Mohammad Monir Hossain**  
Academic Coordinator  
Bangladesh Shishu Hospital & Institute



## Head, Department of General Paediatrics

Bangladesh Shishu Hospital & Institute



Children are our greatest hope, our cherished dreams and the foundation of a strong nation. Ensuring a healthy childhood is essential for a brighter future. For more than five decades, the Bangladesh Shishu Hospital and Institute (BSH & I) has played an invaluable role in strengthening this foundation, and its contribution to child health in Bangladesh is truly commendable.

This Yearbook 2025 presents a glimpse of the many activities of the Bangladesh Shishu Hospital and Institute (BSHI) carried out throughout the year under the supervision, guidance, and inspiration of our learned and enthusiastic Management Board. Despite our busy clinical responsibilities, the Editorial Board has sincerely tried to present not only routine activities but also the true spirit of the institution—our dedication, achievements, challenges, and the experiences that shaped the year 2025.

We express our deep gratitude to Prof. Dr. AKM Azizul Hoque, Honourable Chairman of the Management Board, for his dynamic leadership, guidance, and encouragement. We are also thankful to Prof. Md. Mahbubul Hoque, Director of BSH & I, for his vision, support, and active role in completing this publication. Our sincere thanks go to all respected members of the Management Board, as well as our teachers, colleagues, and fellows, whose collective efforts made this work possible.

We also appreciate the support of the administration and nursing staff for providing essential information. The teamwork and cooperation of the convening committee and editorial board were truly inspiring. Finally, we thank everyone who contributed to this yearbook and apologize for any unintentional errors.

Best regards

**Prof. Dr. B H Nazma Yasmeen**

Editor

Year Book 2025

# Acknowledgement

# The story of Bangladesh's first children's hospital: Bangladesh Shishu Hospital & Institute



## A legacy born from a nation's struggle

**A**mong the world's most populous nations, Bangladesh ranks high. According to World Bank, 2024 and UNICEF, 2023 estimates, the total population of Bangladesh stands at approximately 173.6 million. Of this, nearly 58.95 million are children below 18 years of age, accounting for about 34% of the total population. Remarkably, this demographic structure has remained almost unchanged over the past five decades, underscoring the enduring significance of child health in the nation's development.

In the aftermath of the 1971 Liberation War, Bangladesh emerged as an independent nation amid widespread devastation. The health system was shattered, infrastructure destroyed, and poverty and displacement were rampant. Children population became heaviest burden of this crisis. These young patients primarily suffered from severe malnutrition, diarrheal diseases, measles, and respiratory infections, conditions exacerbated by food shortages, poor sanitation, and lack of access to medical care.

At a time when the newly liberated country was struggling to rebuild, a group of visionary young doctors recognized a stark and painful reality: despite children constituting the largest group of patients, there was no hospital in Bangladesh dedicated

exclusively to child healthcare. Driven by compassion, courage, and an unwavering commitment to the future of the nation, they dared to dream of something unprecedented in a war-ravaged land- **A hospital solely for children.**

That dream became reality in March 1972, barely months after independence. The country's first dedicated children's hospital was established as a 50-bed inpatient facility in a rented house in Dhanmondi, while the outpatient department operated under tents in Shukrabad. Resources were scarce, facilities were modest, but the spirit was extraordinary.

As the hospital gradually took root, its mission and capacity expanded. Within a few years, a distinguished social worker, philanthropist, and visionary leader, **Prof. Dr. Tofayel Ahmed**, joined hands with the founders.

In December 1974, the Bangladeshi National Economic Council (NEC) approved a 250-bed children's hospital. The Ministry of Health granted Dhaka Shishu Hospital land in Sher-e-Bangla Nagar in March 1975. The Ministry appointed a committee to supervise construction, which included the Board of Management Member-Secretary Prof. Dr. Tofayel Ahmed. The hospital was built with

government subsidies, donations, revenues from two public lotteries, and "Dhaka Shishu Hospital Trust Fund" concert proceeds. Dhaka Shishu Hospital opened in this new structure in June 1977.

Dhaka Shishu Hospital has remained independent since its founding. The then Ministry of Health and Family Welfare established the first Dhaka Shishu Hospital (DhSH) Board of Management in 1975 through a government gazette announcement. Since then, the Ministry has regularly formed the DhSH Board of Management. Under the "Societies Registration Act XXI of 1860," Dhaka Shishu Hospital was registered on 31 December 1977.

In 1983 Bangladesh Institute of Child Health (BICH) was establish as the academic wing of Dhaka Shishu (Children) Hospital.

Bangladesh Shishu Hospital and Institute Act (Act No. 19 of 2021) took effect on 22 September 2021 after the National Parliament enacted it. After merging, Dhaka Shishu Hospital and the Bangladesh Institute of Child Health became the *Bangladesh Shishu Hospital and Institute*, a government-run enterprise. Now the 681-bed Bangladesh Shishu Hospital and Institute continue to provide superior pediatric care.

ঢাকা শিশু হাসপাতাল  
DHAKA SHISHU CHILDREN HOSPITAL

বাংলাদেশ শিশু হাসপাতাল ও ইনসিটিউট  
BANGLADESH SHISHU HOSPITAL & INSTITUTE

# Management Board 2025

# Bangladesh Shishu Hospital & Institute

## Chairman

**Prof. Dr. AKM Azizul Hoque**

Former Principle

Shaheed Suhrawardy Medical College



## Member Secretary

**Prof. Dr. Md. Mahbubul Hoque**

Director

Bangladesh Shishu Hospital & Institute



## Member

**Prof. Dr. Abid Hossain Mollah**

Professor & Head

Department of Paediatrics

BIRDEM General Hospital & Ibrahim Medical College



**Md. Mohsin**

Joint secretary

Private Health Management Branch

Health Services Division

Ministry of Health & Family Welfare



**Md. Nazrul Islam**

Joint Secretary

Finance Division

Ministry of Finance

Bangladesh Secretariat, Dhaka



**Shamima Ferdous**

Joint Secretary

Ministry of Social Welfare

Bangladesh Secretariat, Dhaka



**Mahmud Hasan**  
Deputy Attorney General  
Bangladesh Supreme Court



**Prof. Dr. Md. Atiar Rahman**  
Dean, Faculty of Paediatrics  
Bangladesh Medical University



**Dr. Abu Hussain Md. Moinul Ahsan**  
Director (Hospital)  
Directorate General of Health Services (DGHS)



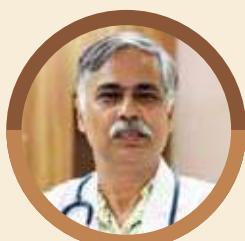
**Prof. Dr. Monir Hossain**  
Professor & Head  
Neonatal Medicine, BSH&I



**Prof. Dr. Mahmud Hossain**  
Professor of Paediatrics  
Member, SRC  
Bangladesh Medical & Dental Council (BM&DC)



**Prof. Dr. Shakil Ahmed**  
Former Professor of Paediatrics  
Dhaka Medical College Hospital



**Prof. Dr. Rowshan Jahan Akhter**  
Professor (C.C)  
Department of General Paediatrics, BSH&I



**Dr. M A Kamal**

Former Member  
BMA Central Executive Committee

**Prof. Dr. Mohammed Reaz Mobarak**

Professor and Head  
Department of Epidemiology & Research &  
Department of of High Dependency & Isolation



Subsequently, following three Honorable Members were included, replacing the previously serving members—  
Ms. Shamima Ferdous, Mr. Mahmud Hasan and Prof. Dr. Md. Atiar Rahman

**Mohammad Mohsin Kabir**

Deputy Attorney General  
Bangladesh Supreme Court

**Prof. Dr. Anwarul Karim**

Chairman  
Paediatric Haematology & Oncology department  
Bangladesh Medical University

**Rokeya Begum**

Joint Secretary  
Ministry Of Social Welfare  
Bangladesh Secretariat, Dhaka



# Year Book Committee 2025

**Chief Patron****Prof. Dr. AKM Azizul Hoque**

Former Principle

Shaheed Suhrawardy Medical College

**Patron****Prof. Dr. Md. Mahbubul Hoque**

Director

Bangladesh Shishu Hospital &amp; Institute

**Adviser****Dr. Md. Azharul Islam**

Deputy Director (Hospital)

**Convener****Prof. Dr. B H Nazma Yasmeen**

Professor &amp; Head

Dept. of General Paediatrics

**Member-Secretary****Prof. Dr. Mohammed Reaz Mobarak**

Professor &amp; Head

Dept. of Epidemiology and Research

High Dependency &amp; Isolation (HD&amp;I) Unit

**Member****Prof. Dr. Rowshan Jahan Akhter**

Professor (C.C)

Dept. of General Paediatrics

**Member****Dr. Tanzila Farhana**

Assistant Professor

Dept. of Paediatric Gastroenterology

Hepatology &amp; Nutrition

**Member****Dr. Rehana Zaman**

Resident Medical Officer

Dept. of Paediatric Respiratory Medicine

**Member****Dr. Sumaiya Liza**

Registrar, Paediatric Medicine

OPD

**Member****Dr. Md. Arifuzzaman**

Assistant Professor

ENT &amp; Head-Neck Surgery

**Member****Dr. Kalyanmay Deb Dip**

Resident Medical Officer

Dept. of Paediatric Medicine

**Member****Dr. Kazi Nahidul Alam**

Sudent, DCH, BSH&amp;I

# Tributes in Remembrance

*"The legacy of a life is not measured in years, but in the lives it touches." - Maya Angelou*



IN LOVING

*Memory*



**PROFESSOR (DR.) TOFAYAL AHMED**

1 January 1929 - 12 March 1997

First Member Secretary of the Management  
Dhaka Shishu Hospital

**Professor Dr. M S Akbar**  
Director, DSH (1981-1983)  
President of Governing Body

**Dr. Khalequzzaman Mamun**  
Medical Officer

**Professor Dr. AFM Masood**  
Director, DSH (1983-1987)

**Professor Dr. Md. Aynal Haque**  
Professor & Head  
Department of Paediatric Rheumatology

**Professor Dr. Khaleda Banu**  
Professor & Head  
Department of Neonatal Medicine

**Professor Dr. Mustafa Mahabub**  
Professor  
Department of Paediatric Neuroscience

**Professor Dr. M S Haque**  
Professor of Haematology

**Dr. Taj Uddin Bhuiya**  
Medical Officer

**Dr. M R Mollah**  
Assistant Professor

**Dr. Tania Sharmin Nimmi**  
Registrar  
Critical Care Nephrology Department

**Dr. Darul Islam**  
Associate Professor & Resident Physician

**Dr. Naznin Akhter**  
Medical Officer

<b>Provati Sarkar</b>	<b>Md. Wahid Ali</b>	<b>Ahmed Ali</b>
Nursing Supervisor	Peon	OPD Peon
<b>Bhobani Mandra</b>	<b>Md. Shahjahan Mollah</b>	<b>Md. Rahamat Ali</b>
Senior Staff Nurse	Assistant Director, Finance	OPD Peon
<b>Aleya Begum</b>	<b>Nasrin Sultana</b>	<b>Md. Khalek</b>
Assistant Nurse	Senior Staff Nurse	Ward Boy
<b>Shandha Halder</b>	<b>Runa Akhter</b>	<b>Md. Abdul Malek</b>
Assistant Nurse	Senior Staff Nurse	Ward Boy
<b>Md. A. K. M. Abdul Quyium</b>	<b>Sabita Bonik</b>	<b>Abarish</b>
Administrative Officer	Assistant Nurse	Ward boy
<b>Abdus Sattar Miah</b>	<b>Chino Ricil</b>	<b>Md. Abu Taher Miah</b>
Accounts Officer, BICH	Assistant Nurses	Ward Boy
<b>Md. Ali Akbar</b>	<b>Fulkumari Costa</b>	<b>Md. Mostofa</b>
Senior Cashier	Assistant Nurse	Ward Boy
<b>Md. Mofizul Islam Sarkar</b>	<b>Amia Rani Joydhar</b>	<b>Md. Siddiqur Rahman</b>
Accountant	Nursing Supervisor	Ward Boy
<b>Md. Khayrul Amin</b>	<b>Md. Amzad Hossain</b>	<b>Md. Amzad Hossain</b>
Rent Collector	Superintend	Moshalchi
<b>Md. Noor Mohammad</b>	<b>Md. Mofiz Uddin</b>	<b>Ayesha</b>
Rent Collector	Accountant	Aya
<b>Md. Kamal Hosan</b>	<b>Md. Kabir Uddin</b>	<b>Md. Becho Miah</b>
Ward Master	Maintenance Engineer	Ward Boy
<b>M.A Salam</b>	<b>Md. Abdul Alim Chowdury</b>	<b>Md. Shah Alam</b>
Senior Physiotherapist	Telephone Supervisor	Ward Boy
<b>Md. Shah Alam</b>	<b>Mst. Jesmin Akter</b>	<b>Md. Shajal Miah</b>
Liberian	Rent Collector	Ward Boy
<b>Md. Siddique</b>	<b>Mokbul Hossain Biswas</b>	<b>Md. Khokon Miah</b>
Classroom Attendant (Institute)	Store Assistant	Ward boy
<b>Md. Nurul Amin</b>	<b>Md. Idris</b>	<b>Khalek Miah</b>
Class Attendant (Institute)	Ward Master	Ward Boy
<b>Md. Mohon Miah</b>	<b>Md. Harunur Rashid</b>	<b>Md. Ariful Islam</b>
Driver	Ward Master	Ward Boy
<b>Md. Babul Miah</b>	<b>Md. Shakawat Hossain</b>	<b>Md. Aslam Khan</b>
OT Attendant	Dental Technechan	Ward Boy
<b>Md. Abdul Malek</b>	<b>Md. Belal Hossain</b>	<b>Sree Sajib Chandra Roy</b>
OT Attendant	Driver	X-ray Attendant (Daily Basis)
<b>Md. Kamal Hossain</b>	<b>Md. Makbul Hosan</b>	<b>Md. Sheikh Amzad Hossain</b>
Dark Room Attendant	LDC	Security
<b>Md. Samshul Hoque</b>	<b>Md. Khalek Miah</b>	<b>Shahor Banu</b>
Lab Attendant	Peon	Aya
<b>Md. Sultan Miah</b>	<b>Md. Amir Hossain</b>	<b>Ambiya</b>
Peon	Peon	Aya
<b>Md. Kamal Hossain</b>	<b>Md. Nurul Haque</b>	
Peon	OPD Peon	
<b>Md. Abdul Hakim</b>	<b>Md. Ataur Rahman</b>	
Peon	Peon	



Looking ahead for a  
Expanded, Modernized  
Centre of Excellence

# Achievements & Initiatives 2025

"The advancement of society is never accidental; it is shaped by those who step forward with vision, courage, and initiative." -John F. Kennedy



# Achievements and Initiatives of 2025 At A Glance

In 2025, several major initiatives were taken by the new management board through deliberate strategic planning and effective implementation. This was focused on increase hospital resources, enhancing patient service quality, and fostering innovation.

Additionally, personal efforts contributed to increasing national and international donations through the initiation and formalization of Memorandums of Understanding (MoU) with different organizations. These initiatives reinforced collaborative partnerships and supported sustainable improvement of service.

## Reestablishment of the Paediatric Cardiac Intensive Care Unit with the Akij Bashir Group Support

Following severe fire damage to the Paediatric Cardiac ICU in April 2024, specialized Paediatric cardiac intensive care services at Bangladesh Shishu Hospital and Institute were disrupted, creating an urgent need for restoration and reestablish the services strengthening. With a strong commitment to social responsibility, the AkijBashir Group provided essential financial support to fully reestablish the fire-damaged Paediatric Cardiac ICU with modern infrastructure and advanced safety standards, under the visionary leadership of Sheikh Bashir Uddin, Managing Director of the AkijBashir Group and Honorable Adviser to the Ministries of Commerce, Textiles and Jute, and Civil Aviation and Tourism, and Prof. Dr. AKM Azizul Hoque, Chairman of the Management Board was also provided the strategic guidance to accomplish the work.



*The Paediatric Cardiac ICU after the devastating fire*



*The reestablished Paediatric Cardiac ICU*

## Echocardiography Machine: ACME Laboratories Ltd.

Mr. Mizanur Rahman Sinha, Honourable Managing Director of The ACME Laboratories Ltd., generously donated a state-of-the-art Philips CVx 3D Echocardiography machine to Bangladesh Shishu Hospital and Institute in loving memory of his late father, Hamidur Rahman Sinha, whose life was defined by humanity, compassion, and service. The machine was formally inaugurated on 29 September 2025. This advanced technology is expected to significantly enhance diagnostic accuracy in paediatric cardiology, improve assessment of complex congenital heart diseases, reduce waiting times, and strengthen overall cardiac care services—bringing faster, more reliable diagnoses and renewed hope to countless children and families.



## Muntada Aid UK (Little Hearts Project)

In 2025, Muntada Aid UK supported 111 free congenital cardiac interventions at Bangladesh Shishu Hospital & Institute through charity workshops, including ASD device closure (35), VSD device closure (32), PDA device closure (26), balloon pulmonary valvuloplasty (3), balloon aortic valvuloplasty (1), balloon coarctoplasty (4), CoA stenting (2), PDA stenting (1), coronary cameral fistula device closure (2), cardiac catheterization (2), combined procedures (2), and one percutaneous permanent pacemaker implantation, providing devices and expert support at free of cost while strengthening local expertise through hands-on training.



*MoU Ceremony between Muntada Aid, UK & Bangladesh Shishu Hospital and Institute*

## Basic Needs USA

Since 2022, Basic Needs USA has supported 166 children with free congenital heart interventions by providing sustained funding for catheter-based and life-saving procedures, contributing a total of USD 71,008.56 (BDT 81,57,315.48) across two funding phases (Dec 2022–Jun 2024 and Aug 2024–Sep 2025), significantly reducing the financial burden on underprivileged families.

## Turkish Cooperation and Coordination Agency (TIKA)

Donation of a new-generation Olympus endoscopy system (27.04.2025) by TIKA significantly strengthened endoscopic and colonoscopic services, enabling safer, more efficient, and high-precision diagnostic and therapeutic procedures, including foreign body removal, management of upper and lower gastrointestinal bleeding, endoscopic biopsies, and colonoscopic interventions.



## Embassy of Japan

Donation of BDT 1 crore by Embassy of Japan enabled procurement of an apheresis machine, -86°C deep freezer, and refrigerated centrifuge, improving blood component preparation, transfusion safety, and supportive care for oncology and haematology patients.



*Honourable Ambassador of Japan visited Bangladesh Shishu Hospital & Institute*

## Cancer Awareness Foundation of Bangladesh

Donation of BDT 80,000 (Eighty Thousand) to support the treatment and educational scholarships for 2 (two) students as long-term rehabilitation of Paediatric cancer survivors.

## World Federation of Haemophilia

Donation of Emicizumab and Factor VIII and IX concentrates enabled effective prophylaxis and bleeding control, reducing bleeding episodes, hospitalization, and long-term disability.

## Zakat Fund for Thalassemia Centre

Collection of BDT 800,000 (Eighty lacs) in the last year supported regular transfusion, iron chelation, and essential care for children with thalassemia.

## Sunnydale School

Donation of BDT 2,45,000 (Two lacs forty-five thousand) assisted underprivileged Paediatric cancer patients with treatment-related expenses.

## World Child Cancer UK

Monthly support of approximately BDT 50,000 (Fifty Thousand) for patient care and BDT 100,000 (One Lac) for medicines ensured uninterrupted treatment and improved adherence and survival among underprivileged Paediatric cancer patients.



*MoU Signing between Bangladesh Shishu Hospital and Institute and World Child Cancer UK*

## Rotary Club, Baridhara

- ◆ Quarterly donation of BDT 40,000 (Forty thousand) for chemotherapeutic drugs supported uninterrupted chemotherapy and improved remission outcomes.



*Drug reception from the Rotary Club, Baridhara*

- ◆ Donation of a portable echocardiography machine strengthened bedside cardiac diagnostic services in the paediatric Intensive Care Unit (PICU), enabling timely assessment and immediate clinical decision-making for critically ill children.
- ◆ Total 282 patients received service of this Echo machine. Echocardiography was utilized for children with congenital heart diseases including PPHN, PDA, and evaluation of cyanotic heart diseases (110 patients); cardiac involvement and fluid management in dengue patients (60 patients); heart failure (56 patients); and patients presenting with shock (56 patients).
- ◆ Training received on echocardiography: 03 doctors

## SAARC Women's Association

Donation of a phototherapy machine, CPAP, and pulse oximeter (10.01.2025) given by SAARC Women's Association strengthened high-dependency and isolation services by ensuring reliable oxygen delivery, enabling timely and effective management of neonatal jaundice patients, and facilitating continuous monitoring of oxygen saturation and overall clinical status of critically ill Paediatric patients. The donated equipment improved patient safety, enhanced quality of care, and supported timely clinical decision-making in high-dependency and isolation settings.

## National Women's Federation

A donation (BDT 2 lakhs) covering part of the cost of one haemodialysis machine was given on 24.08.2025, which reduced dialysis waiting time, prevented complications related to delayed treatment, and resulted in improved clinical outcomes.

## New HDU in One-Stop Emergency centre (OSEC): City Bank Ltd.

City Bank Partners with  
Bangladesh Shishu Hospital & Institute  
**TO ENHANCE CRITICAL CARE FOR CHILDREN**



*Agreement signing ceremony between City Bank and Bangladesh Shishu Hospital & Institute*

The One-Stop Emergency centre (OSEC) service is a model emergency care system introduced by the Directorate General of Health Services (DGHS) of Bangladesh. It aims to provide all essential emergency services under one roof so that patients receive timely diagnosis, treatment, tests, and care without moving between different departments. The OSEC service was first launched in major public hospitals in Dhaka, including: Kurmitola General Hospital, Mugda, Medical College Hospital, Shaheed Suhrawardy Medical College Hospital and Dhaka Medical College Hospital.

These model sites were functioning in late 2022. Our hospital is also included in this service. Bangladesh Shishu Hospital & Institute has entered into a Memorandum of Understanding (MoU) with City Bank to initiate OSEC through collaboration. The emergency department of One Stop Emergency Centre (OSEC) initiated from 21st November, 2024. An average of 250-300 patients is receiving services from the emergency department every day. Recently instruments for the 8 (eight) bedded HDU was donated by the City Bank Ltd. which helped to start functioning of this setup.

## International Paediatric Nephrology Association (IPNA) Grants

IPNA grants support the international training exposure to improve the telemedicine and digital infrastructure which enhanced clinical expertise and multidisciplinary collaboration, strengthening evidence-based Paediatric renal care.

## Root Health Care

Donated equipment on 24 June 2025, including clinical support devices for the Child Development Centre. This contribution strengthened neurodevelopmental assessment and routine patient monitoring, thereby improving the overall quality and continuity of care for children with neurological and developmental disorders.

## Inner Wheel Club

For more than two decades Inner Wheel Club is regularly donating different instruments (that facilitated safe and accurate administration of intravenous fluids, inotropes, and medications) and winter clothings to SCABU and NICU.

## Faculty-Led Support

The Department of Paediatric Pulmonology and Respiratory Intensive Care Unit and Department of Paediatric Infectious Disease and Community Paediatrics faculty members voluntarily provided regular financial contributions from their personal funds. These self-donated funds were primarily used to procure the most urgent emergency necessities, including life-saving consumables, monitoring accessories, oxygen-related supplies, and essential equipment required for the immediate management of critically ill and underprivileged patients.

**Faculty-Led and Zakat-Funded Patient Care:** Care for underprivileged and critically ill children was supported through self-raised contributions from faculty members and Zakat donations. These funds were used to address urgent medical needs of poor and ill patients, supporting essential investigations, medications, nutrition, and supportive care, thereby ensuring continuity of treatment and promoting patient wellness.

## Mituli Foundation



- ◆ Donation of a portable echocardiography machine (30.12.2024) enabled bedside cardiac evaluation for critically ill neonates on CPAP or mechanical ventilation, improving early diagnosis of congenital and acquired cardiac conditions. A total of 232 portable echocardiographic examinations performed during this period.
- ◆ Donation of two bubble CPAP machines (29.09.2024 and 30.12.2024) provided non-invasive respiratory support to 84 neonates in the NICU, reducing the need for mechanical ventilation and its associated complications.
- ◆ Donation of an additional bubble CPAP machine for SCABU-2 (31.07.2025) enabled CPAP/HFNC respiratory support for 19 neonates, contributing to improved oxygenation and clinical stability.

## Personal Donations

**Prof. Dr. B. H. Nazma Yasmeen:** Arranged a donation (BDT 19 lakh 50 thousand, 24.12.2025) for a portable echocardiography machine that enables timely cardiac assessment at bedside, improves fluid management, dialysis safety, and early detection of cardiac complications of CCND patient.

**Faculty Members:** A total donation of BDT 3.5 lakh given by the faculty members of Paediatric Nephrology Department for dialysis and fogger machines expanded access to life-saving dialysis and strengthened infection prevention, ensuring safer and uninterrupted renal replacement therapy.

**Dr. Adeela Kamal:** Donation of a bubble CPAP machine for SCABU-1 (15.01.2025) supported 39 neonates with CPAP/HFNC therapy, ensuring timely respiratory care in a step-down neonatal unit.

**Mrs. Sharaf:** Donation of an LED phototherapy machine (12.02.2025) enabled effective daily management of neonatal hyperbilirubinemia, reducing the risk of bilirubin-induced neurological dysfunction.

## Anonymous Donor

Monthly donation of BDT 10,000 provided sustained financial support for children with cancer and thalassemia.

# Initiatives of 2025

## Biochemistry new investigation launching

On, January 2025, the following new diagnostic tests were introduced in the department of Biochemistry. It is noteworthy that these tests are frequently required for the diagnosis of Paediatric patients; however, they are available in only a very limited number of institutions of our country. With the introduction of these services, a significant number of children have benefited over last year.

TORCH	397
Anti HAV IgM	242
IL6	19
Folic acid	19
Vitamin B-12	35

## DNA LAB Machine

The DNA laboratory was the dream project of Prof. Waqar Ahmed Khan, former Head of the Department of Pathology. He established the lab in 2013 with limited resources. A decade later, in 2025, his vision was realized when the laboratory was revived and a number of investigations were restarted.

A particularly noteworthy recent development in the DNA Laboratory, which has begun offering selected rare and specialized genetic tests for the diagnosis of rare childhood diseases. This initiative marks an important milestone in Paediatric healthcare in Bangladesh, as it reduces dependence on overseas testing, enables earlier and more accurate diagnosis, and supports timely, evidence-based management. The availability of these advanced diagnostic services will significantly enhance clinical decision-making and expand the country's capacity to care for children with complex and rare conditions, thereby making a meaningful contribution to the health and wellbeing of children across Bangladesh.

DNA analysis for beta thalassemia (Single DNA)	43
Prenatal diagnosis for beta thalassemia (Father, Mother, and fetus samples run for each test)	25
DNA analysis for HLA B27	39
DNA analysis for Xmn1 polymorphism	03

## Paediatric Surgical Intensive Care Unit (SICU)

Paediatric Surgical Intensive Care Unit (SICU) is an essential part of a healthcare facility specially designed to provide dedicated ICU support for the critically ill children requiring surgical interventions. An effective SICU care is essential for reducing postoperative complication, improving survival and ensuring a safe transition to recovery following a surgery. In Bangladesh, paediatric surgery has steadily grown over last few decades. But the services of a dedicated paediatric surgical ICU have been lagging behind. As a result, although surgical expertise exists in many tertiary level hospitals, adequate critical care support for postoperative children often remains limited.

Keeping the current context of the country in consideration, Bangladesh Shishu Hospital and Institute has inaugurated nation's one of the finest & well equipped paediatric surgical ICU on 27th March, 2025 under the supervision of departmental head Prof. Akhter Hossain Loban & Registrar Dr. Faizan Bin Azad Justin along with a bunch of young, energetic resident medical officers, nurses and supporting staffs.

We have total 10 ICU beds, amongst them 07 are paying bed and 03 are non-paying beds, 04 mechanical ventilators, 06 bedside cardiac monitors, 06 syringe pumps, 03 ECG machines, 01 ultrasonogram machine and 01 portable X-Ray machine. With many challenges, limited resource & manpower, we have already treated 62 patients where the survival outcome is pretty satisfactory. We are looking forward to serve in bigger aspect and dimension in future.



## Dengue Cell

Bangladesh has been experiencing a significant dengue outbreak in recent years, with cases increasing across all 64 districts. The 2025 season shows an alarming rise in cases among children. UNICEF data indicate that as of mid-2025, nearly 4,600 dengue cases were reported among children under 15 years of age, many requiring hospitalization due to high fever, dehydration, rashes, and severe complications.



A considerable proportion of dengue-related deaths also occurred in the paediatric population, with approximately one in six reported deaths involving children. The outbreak has been intensified by prolonged monsoon rains, warm temperatures, and increased mosquito breeding.

In response, like every year, a dedicated Dengue Cell was started on 19 June 2025 to strengthen patient isolation and clinical management. In addition to this unit, paediatric dengue patients were also managed in general wards and cabins, while critically ill children received specialized care in PICU, CCND, RICU, CICU, and HDU, which played a crucial role in managing the outbreak effectively.

Dengue report 2025		Last 5 years Dengue Data		
		Year	No. of Patient	Death
Total admission	917	2019	1450	18 (1.24%)
Total ICU admission	84	2020	96	1 (1.54%)
Total admission in Dengue Cell	269	2021	1107	17 (1.54%)
Total admission in general Ward and Cabin	559	2022	1252	22 (1.76%)
Total death	05	2023	2033	23 (1.13%)
		2024	806	11 (1.38%)
		2025	917	5 (0.55%)

## Evening Consultancy

The management board introduced an evening consultancy service on 1 June 2025 to ensure continued medical services to paediatric patients beyond regular office hours. The initiative was launched with the vision of allowing children who arrive after office hours to receive medical consultations at a very minimal honorarium. The program proved successful by a total of 3141 paediatric patients received treatment through the evening consultancy (from 1 June to 31 December). Encouraged by this outcome, the board further expanded services by introducing Friday and holiday consultancy beginning on 23 October 2025, during which an additional 692 patients were treated.



### Number of patients seen on evening consultancy

Office days	3141
(Since 1 July to 31 December 2025)	
Holidays including Friday	692
(Since 23 Oct to 31 December 2025)	

## Research Grant

To promote and expand research activities within the institution, Bangladesh Shishu Hospital and Institute launched a dedicated research funding initiative following a proposal from its Department of Epidemiology and Research. As per the proposal of the Department of Epidemiology and Research, BSH&I, an initiative has been taken to expand the scope of research among the researchers working here. An allocation of 1,40,00,000/- (One crore forty lakhs) taka has been made for the financial year 2023-24 from the own funds of Bangladesh Shishu Hospital and Institute, which was approved in the 17th meeting of the Management Board. Later, the research notification was published on 11/11/2024 and after verification and final evaluation, 46.5 lakh taka was distributed on 30/04/2025 as research grant among 12 researchers selected on the basis of competition.



### Name and Designation of Principale Investigator with project

Dr. Humaira Rafiqa Quaderi Associate Professor	Clinical profile, diagnostic challenges and outcome of Paediatric Herpes simplex encephalitis in a tertiary care hospital.
Dr. Refoyez Mahmud Registrar	Risk of Prolonged Preoperative Hospitalization and Its Impact on General and Postoperative Outcomes in Paediatric Patients Undergoing Major Elective Surgery: A Prospective Cohort Study
Dr. Mirza Md. Ziaul Islam Professor	Epidemiology and clinical outcomes of Dengue Fever among Bangladeshi children
Ahmed Rashidul Hasan Assistant Professor	Age Specific Pre-immunization Screening for Hepatitis-A and its effect on vaccination in Bangladesh.
Dr Rezoana Rima Professor	Etiology of Paediatric Pulmonary Hypertension: A Cross-sectional Study in a Tertiary Care Hospital in Bangladesh
Mohammad Monir Hossain Professor	Profiling Neonatal Sepsis in Bangladesh: Insights into Prevalence, Microbial Burden, and Antimicrobial Resistance
Prof. Shireen Afroz Professor	Efficacy of Tacrolimus Between Proliferative and Non-proliferative Renal Histopathological Pattern of Steroid Dependent Childhood Idiopathic Nephrotic Syndrome
Dr. Shaoli Sarker Associate Professor	Exploring the Association between Lead Exposure and ADHD in Children
Dr. Salahuddin Mahmud Professor	Investigating rotavirus prevalence and genotypes among Paediatric diarrhea cases
Dr. Nigha Zannat Dola Assistant Professor	Assessing Healthcare-Associated Infections in a Tertiary Level Paediatric Hospital by Pathogen Mapping Through Environmental Sampling and Blood Culture Analysis: A Prospective Observational Study
Dr. Meherdad Yousuf Ahmed Registrar	Risk Factors of Congenital Heart Defects: A Multi-Centre Study in Bangladesh
Dr. Md. Belayet Hossain Professor	Effectiveness and safety of Thalidomide in treating patients with transfusion dependent $\beta$ -Thalassemia major & Hemoglobin E- $\beta$ Thalassemia.

## Awareness rally stated on baby walkers are harmful to children



Awareness rally titled "Use of Baby Walkers Is Harmful for Children" (05.12.2025 at BSH&I)

Former Director of Transparency International Bangladesh (TIB), Mohammad Rafiqul Hasan, welcomed the initiative and urged the concerned authorities to take necessary steps. Monira Sultana, Director General of the National Museum of Science and Technology, shared her personal experience of her child's accident caused by the use of a baby walker.

At the event, which featured various fact-based placards and banners, Amaya Rahman recited a poem highlighting the harmful effects of baby walkers. Mrs. Faria Tazrin and Rafia Jahan, who were present at the program, also shared their experiences of accidents and physical complications their children faced while using baby walkers.

The event was moderated by Professor Dr. Shakil Ahmed and attended by the Director of Bangladesh Shishu Hospital and Institute, Professor Dr. Mahbubul Hoque, along with Professor Dr. Abdul Hanif Tablu, Professor Dr. Kabirul Islam, and people from various professions as well as parents.

## Training Programme on Office management

To enhance the professional efficiency of officers and staffs of Bangladesh Shishu Hospital and Institute and to promote transparency, accountability, etiquette, and ethical conduct in official duties, a subject-based internal in-house training program was organized for the first time from 17 to 22 June 2025.

The program was inaugurated by Prof. AKM Azizul Hoque, Chairman, Management Board, Bangladesh Shishu Hospital and Institute. Experienced trainer from the Finance Division of Ministry of Health and Family Welfare conducted the program.



A total of 54 officers and staff participated in a four-day training on office management, while 56 Class-IV employees attended a one-day training on office etiquette and code of conduct.

## Six Doctors and eight admin staff Reinstated

In 2009 and subsequent years, 25 doctors and 13 staffs were unlawfully dismissed from Dhaka Shishu Hospital. Recognizing this long-standing injustice, the current Management Board took sincere and proactive steps to address the matter and restore fairness. As a result of these efforts, six promising and dynamic paediatricians and 8 staffs who applied to join here have now been reinstated at the hospital.

## New 65 Medical Officer recruitment

By the initiative of the Management Board, 65 new Medical Officers have been appointed at the hospital. Hospital authorities expressed optimism that this initiative will significantly contribute to better patient outcomes and overall service delivery.

## Commencement of Thoracic Surgery Department

The establishment of the Department of Thoracic Surgery marks a significant milestone in advancing specialized surgical care. This department will enhance the diagnosis and management of thoracic diseases, strengthen multidisciplinary collaboration, and contribute to improved patient outcomes, education, and research in the field of thoracic surgery.

# *Our Departments*

“In every child treated  
the physician touches a life a family, and a  
future.” -Donald Winnicott

“The measure of a society is found in how  
it cares for its children.” -Nelson Mandela





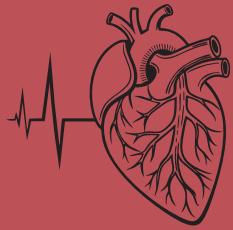
# Administration Department



## Overview of the Department

Designation	Name
<b>Director</b>	<b>Prof. Dr. Md. Mahbubul Hoque</b>
<b>Deputy Director (Hospital)</b>	Dr. Md. Azharul Islam
<b>Assistant Director (Admin)</b>	Sharmin Akter
<b>Administrative Officer</b>	Md. Humayun Kabir
<b>Private Secretary</b>	Md. Sayadul Islam
<b>Public Relation Officer</b>	Md. Bashir Uddin
<b>Senior Procurement Officer</b>	Khan Mohammad Moniruzzaman
<b>Administrative Officer (Nursing Institute)</b>	Abu Farah Mohammad Sahel
<b>Liasion and Development Officer</b>	Mahmudul Hasan Murad
<b>Junior Officer (Admin)</b>	Kazi Abul Kashem
<b>Junior Officer (IT Management)</b>	A. K. M. Ziaul Hasan Kabir
<b>Junior Procurement Officer</b>	A K M Anisur Rahman
<b>Head Assistant</b>	Morjina
<b>Computer Operator</b>	Prosanta Kumar Tripura Jiko Sarker Amit Chondro Shil Roksana Akter Asequr Rahman Fatin Mahtab Rafi
<b>Office Support Staff</b>	Mst. Morsheda Begum Md. Atiqul Islam Khadeza Akter Mohammad Sapan Miah Md. Shamsul Haque Md. Jahidul Islam Ali Mostofa Md. Monimul Haque

# Paediatric Cardiology & CICU



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Rezoana Rima</b>	<b>MBBS, FCPS (Paed), Fellowship in Paediatric Cardiology (Chennai)</b>	<b>Professor (C.C) &amp; Head</b>
Prof. Dr. Mohammad Abdullah Al Mamun	MBBS, MD (Paed), Intensivist & Neonatal Cardiologist	Professor
Dr. Md. Mahbubur Rahman	MBBS, DCH, MSc (Nutrition)	Associate Professor
Dr. Abu Sayed	MBBS, DCH, MD (Paed)	
Dr. Abu Sayed Munsi	MBBS, MCPS, FCPS (Paed), Fellowship in Paediatric Cardiology (RTIICS)	
Dr. Dilruba Ibrahim Dipti	MBBS, DCH, MD (Paed)	Assistant Professor
Dr. Abdul Jabbar	MBBS, DCH, FCPS (Paed), FCPS (Paediatric Cardiology) Fellowship in Paediatric Cardiology	
Dr. Md. Khalid Ebna Shahid Khan (Russel)	MBBS, DCH, Fellowship in Paediatric Cardiology (Japan)	Registrar
Dr. Meherdad Yousuf Ahmed	MBBS, DCH, MRCPCH (UK)	
Dr. Syeda Shayla Afroze	MBBS, FCPS (Paed)	Registrar in charge
Dr. Chandan Saha	MBBS	Resident Medical Officer
Dr. Muhammad Imam Hasan	MBBS	
Dr. Sazzadul Islam	MBBS	
Dr. Nowshika Sharmin Echo	MBBS	
Dr. Sadia Mehzabeen Majumder	MBBS	
Dr. Farha Sanjid	MBBS	
Dr. Nadia Islam	MBBS, MD (Paed)	
Dr. Munira	MBBS	
Dr. Abhijeet Guha	MBBS	

### Post Graduate Trainee

Dr. Syeda Shayla Afroze	FCPS Paediatric Cardiology Part-II trainee
Dr. Farha Sanjid	
Dr. Dilruba Ibrahim Dipti	

### Auxiliary Staffs

Name	Position
Md Azgar Ali	Cardiac Cath Lab Technician
Jeasmin Akhter	Cath Lab Nursing-In-Charge
Cherry Suporna Bayen	Nursing-In-Charge Cardiac ICU/HDU
Rekha Biswas	Nursing-In-Charge Post-Cath-Ward
Mst. Smrity Khatun	Nursing-In-Charge Pre-Cath-Ward
Nipa Majumder	Nursing-In-Charge Ward-14

## Departmental Activities

Types of bed	Number
Cardiology Ward (Paying)	24
Cardiology Ward (Non- paying)	08
Cardiac ICU	07
Cardiac HDU	05
Cardiac Pre Cath-Ward	06
Cardiac Post Cath Ward	06

Service	
Admission in Indoor, CICU, CHDU, Cath	24 hrs
Cath Lab procedures	9 AM-2 PM
Cardiac OPD (20-25 patients daily)	10 AM-2 PM
Cardiac referrals	9 AM-2 PM
Portable Echocardiogram (NICU, PICU, CCND)	9 AM-2 PM

Indoor Service	
Total admission in wards and cabins	1150
Total Admission in CICU ( Since 30/11/2025)	27
Total Admission in Cardiac HDU	228

Outpatient Service	
Cardiac OPD	Everyday
Arrhythmia Clinic	Tuesday & Thursday
Number of patients in 2025	7235

Echocardiogram Statement	Echo Numbers
TOTAL	7864

Future Roadmap
1. Start a Specialized Non-invasive Cardiac Investigation Centre with these tests: ✓6-min-walk test ✓24 hrs Holter Monitor
2. Start specific OPD clinic- ✓Arrhythmia clinic ✓Heart failure clinic ✓Pulmonary hypertension clinic
3. Introduction of Trans Esophageal Echocardiography (TEE) service for children
4. Introduction of Electrophysiology (EP) Lab for advanced evaluation and management of different paediatric arrhythmias

# Cardiac Intensive Care Unit (CICU)



## Patient admission profile of CICU

Disease	Number
Neonatal diseases (PDA, PFO, PPHN)	04
ASD	04
VSD	08
Pulmonary Atresia	03
TOF	01
AV Canal defect	01
D-TGA with shunt	04
DORV with shunt	01
Hypoplastic left heart syndrome (HLHS)	01

## Equipment of CICU

Equipment	Number
Cardiac Monitor	04
Pulse oximeter	02
Syringe pump	10
Mechanical Ventilator	02
High flow nasal cannula (HFNC)	03
CPAP machine	01
Suction machine	04
Saline stand	10
Locker	04
Crash cart	01
Trolley	04

Additional instruments will be provided through donor support to ensure full restoration .

## Cardiac Procedures

PDA Device Closure	140
Cardiac Cath	80
ASD Device Closure	79
Aortic Valvuloplasty	4
VSD Device Closure	51
PDA Stenting	40
Pulmonary Valvuloplasty	36
Coarctation Ballooning	23
Balloon Atrial Septostomy	20
Pericardial fluid Aspiration	8
ASD Device Closure + PDA Device Closure	3
VSD Device Closure + PDA Device Closure	1
BPV + ASD Device Closure	1
BPV + PDA Device Closure	1
Cerebral DSA	1
Coarctation Ballooning + PDA Device Closure	1
Device Closure	1
PDA Device Closure (Coronary cameral fistula device)	1
PDA Stenting	1
Renal Angiogram	1
<b>TOTAL</b>	<b>493</b>

# Academic Activities

- ✓ Total 3 doctors of this unit are doing FCPS Paediatric Cardiology training.
- ✓ MD-Phase A, MD-Phase B, DCH students are doing regular training in Paediatric Cardiology.
- ✓ Clinical meeting, Journal club, Death Audit, Seminar related to Paediatric Cardiology are regularly conducted.
- ✓ Consultants take theory and clinical classes every day.

## Publications

1. **Mamun MAA**, Islam N, Hasan MNA. Role of NT-proBNP level in heart failure in children: a review. *Dhaka Shishu (Children) Hospital Journal*. 2023;39(2):115–119 (Published in 2025).
2. **Mamun MAA**, Saha D, Hossain MM. Effectiveness of high-flow nasal cannula (HFNC) over continuous positive airway pressure (CPAP) as a primary mode of respiratory support in children: a review. *Dhaka Shishu (Children) Hospital Journal*. 2024;40(1):51–55 (Published in 2025).
3. **Rahman M**, Dipti DI, Ahmed MY. Prevalence and predictors of obesity in school-aged children in Dhaka City. *ARC Journal of Paediatrics*. 2025;10(2):1–5. doi:10.20431/2455-5711.1002001.
4. **Rahman M**, Dipti DI, Ahmed MY. Assessment of 24-hour dietary recall in under-5 children with acute malnutrition. *ARC Journal of Paediatrics*. 2025;10(2):6–11. doi:10.20431/2455-5711.1002002.
5. **Rahman M**, Dipti DI, Ahmed MY. Iron deficiency anemia among children with congenital heart disease: a cross-sectional study. *Scholars Journal of Applied Medical Sciences*. 2025;13(4):908–913. doi:10.36347/sjams.2025.v13i04.013.
6. **Rahman M**, Dipti DI, Ahmed MY. Exclusive breastfeeding practices in the northern regions of Bangladesh: a comprehensive assessment. *IOSR Journal of Dental and Medical Sciences*. 2025;24(4 Suppl 2):32–37.
7. **Rahman M**, Dipti DI, Ahmed MY. Prevalence and risk factors of vitamin D deficiency in rural population. *East African Scholars Journal of Medical Sciences*. 2025;8(4):122–128. doi: 10.36349/easms.2025.v08i04.002.
8. **Rahman M**, Dipti DI, Ahmed MY. Nutritional deficiencies in Paediatric patients: prevalence and association with health outcomes. *ARC Journal of Cardiology*. 2025;10(1):18–22. doi: 10.20431/2455-5991.1001003.

9. **Afroze S**, Chowdhury MH, Ahmed MY. Factors associated with pulmonary hypertension in acyanotic congenital heart disease with left-to-right shunt. *East African Scholars Journal of Medical Sciences*. 2025;8(3):96–100. doi:10.36349/easms.2025.v08i03.002.

## Ongoing (funded) research projects

1. Etiology of Paediatric Pulmonary Hypertension: A Cross-Sectional Study in a Tertiary Care Hospital in Bangladesh

**PI:** **Dr. Rezoana Rima**, Professor & Head, Department of Paediatric Cardiology, Bangladesh Shishu Hospital & Institute

**Co-PI:** **Dr. Shayla Afroze**, Registrar (In-charge), Department of Paediatric Cardiology, Bangladesh Shishu Hospital & Institute

2. Risk Factors of Congenital Heart Defects: A Multi-Centre Study in Bangladesh

**PI:** **Dr. Mohammad Abdullah Al Mamun**, Professor, Department of Paediatric Cardiology, Bangladesh Shishu Hospital & Institute

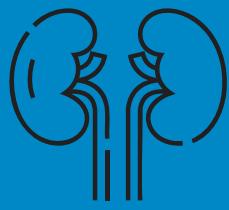
**Co-PI:** **Dr. Meherdad Yousuf Ahmed**, Registrar, Department of Paediatric Cardiology, Bangladesh Shishu Hospital & Institute

**Co-I:** **Dr. Abdul Jabbar**, Assistant Professor, Department of Paediatric Cardiology, Bangladesh Shishu Hospital & Institute



Pericardiocentesis

# Paediatric Nephrology & CCND



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Shireen Afroz</b>	<b>M.B.B.S, FCPS (Paed), MD (Paediatric Nephrology), FRCP(Glasgow)</b>	<b>Professor &amp; Head</b>
Dr. Gulshan Nigar Chowdhury	M.B.B.S, FCPS (Paed) Fellow ship in Paediatric Nephrology (NUH)	Associate Professor
Dr. Tarannum Khondaker	M.B.B.S, MCPS, FCPS (Paed) FCPS (Paediatric Nephrology) Fellowship in Paediatric Nephrology (St. Jhon's Hospital, Bangalore)	
Dr. Tahmina Ferdaus	M.B.B.S, FCPS (Paed) FCPS (Paediatric Nephrology)	Assistant Professor
Dr. Farhana Yasmin	M.B.B.S, FCPS (Paed)	
Dr. Jannatul Ferdous Sonia	M.B.B.S, MD (Paediatric Nephrology) MCPS (Paed)	Registrar
Dr. Mohammad Abu Hasnat	M.B.B.S, MD (Paediatric Nephrology)	
Dr. Sukriti Baroi	M.B.B.S, FCPS (Paed)	Registrar in charge
Dr. Umme Tanjila	M.B.B.S	Resident Medical Officer
Dr. Riyasat Azim Shibly	M.B.B.S, DCH	
Dr. Fahmeda Akhter	M.B.B.S	
Dr. Kazi Md. Arman	M.B.B.S	
Dr. Shishir Saha Ankon	M.B.B.S	
Dr. Afroza Islam	MBBS	
Dr. Raihana Akter	M.B.B.S	
Dr. Khadija Akter Lima	M.B.B.S, DCH	
Dr. Laboni Islam	M.B.B.S, DCH	

**Post Graduate Trainee**

Dr. Farhana Yasmin	FCPS Paediatric Nephrology Part II Trainee
Dr. Sukriti Baroi	
Dr. Shahidul Islam	MD Paediatric Nephrology Phase B
Dr. Rifat Tarin Awal	
Dr. Faisal Raihan	MD Paediatric Nephrology Phase A

**Auxiliary Staffs**

Name	Position
Mira Halder	In charge CCND
Rahima	In charge Ward- 12
Tulu Akhter Tuli	In charge Ward- 13
Lipa Rani Roy	In charge Dialysis
Moshiur Rahaman Talukder	Senior Dialysis Technician
Md. Mahbub Talukder	Dialysis Technician
Iftekhar Munshi	

**Departmental Activities****Indoor Services**

Indoor Patient Distribution	Ward 1, 12, 13 (Paying -22, Non-Paying-9)
Total Admission	1239

**Outpatient Service**

Bladder Clinic	Saturday
Lupus Clinic	Tuesday
GN Clinic	Thursday
CKD Clinic	Saturday
Hemodialysis Follow-up	Everyday
Total OPD seen	3950

**Procedure**

Procedure	Number
Continuous Renal Replacement Therapy (CRRT)	3
Therapeutic plasma exchange (TPE)	31
Continuous Ambulatory Peritoneal Dialysis (CAPD)	1
Intermittent Peritoneal Dialysis (IPD)	54
IPD through cook catheter	3
USG guided Renal biopsy	148
Central venous line	88
Hemodialysis indoor session	487

**Future Roadmap**

To start Paediatric Kidney Transplant soon, arrangement of CAPD and Plasmapheresis cubical care.  
To extend the area of CCND and arrangement of daily OPD services.



# Academic Activities

## Research Work

### In progress

Received Research Grant from Bangladesh Shishu Hospital & Institute, 2025

Efficacy of Tacrolimus Between Proliferative and Non-proliferative Renal Histopathological Pattern of Steroid Dependent Childhood Idiopathic Nephrotic Syndrome **PI-Prof. Dr. Shireen Afroz**

## Publications

- 1. Sonia Jannatul F**, Afroz S. Hepatitis B Vaccination status in children with chronic kidney disease. *Int. j. adv. multidisc.res.stud.* 2025;5(2):425-429
- 2. Sonia Jannatul F**, Akhter F, Islam A, Hasnat MA, Afroz S. Paediatric Acute Glomerulonephritis: Correlation of clinical presentation with early complication and histopathology. 2025 *The insight*; 8(1):164-171
- 3. Hasnat MA**, Afroz S, Sharmim MS. Etiology and clinical features of Rapidly Progressive Glomerulonephritis in Children. *Paediatr Nephrol J Bangladesh* 2025;10:71-4
- 4. Hasnat MA**, Afroz S. Association of Laboratory Parameters with Glomerular Crescent Formation in Paediatric Rapidly Progressive Glomerulonephritis. *IOSR Journal of Dental and Medical Sciences*. 2025;24(11):86-90

## Ongoing Research Work

- Efficacy of Tacrolimus Between Proliferative and Non-proliferative Renal Histopathological Pattern of Steroid Dependent Childhood Idiopathic Nephrotic Syndrome- **Prof. Dr. Shireen Afroz**
- Comparison of pigtail and rigid catheter for intermittent peritoneal dialysis in reducing peritoneal dialysis associated peritonitis in resource limited settings: A randomised controlled trial- **Dr. Gulshan Nigar Chaudhury**
- Effectiveness of Cyproheptadine as Appetite Stimulant in Children with Chronic Kidney Disease: A randomised controlled- **Dr. Gulshan Nigar Chaudhury**

- Effectiveness and safety of Roxadustat in Paediatric Chronic Kidney disease.: A randomised controlled trial.- **Dr. Tarannum Khondaker**
- Reagent strip test for detection of peritoneal dialysis associated peritonitis. - **Dr. Tarannum Khondaker**
- Comparing the efficacy of Torsemide versus Furosemide in reducing edema in children with nephrotic syndrome: A Randomized Controlled Trial- **Dr. Farhana Yasmin**

## International Collaboration

- Total 20 academic case discussion was done with our sister centre HONG-KONG children hospital and also with National University Hospital (NUH), Singapore through zoom meeting.



- Presentation at International Society of Nephrology-International Paediatric Nephrology Association (ISN-IPNA) grand rounds in Paediatric nephrology on 22 May 2025



- Presented Oral paper at Asia Pacific Chapter Meeting & International Society for Peritoneal Dialysis (APCM & ISPD) Congress 2025 at Kuala Lumpur which was awarded with a travel grant.



# Critical Care Nephrology & Dialysis (CCND)



## Establishment

Critical Care Nephrology & Dialysis (CCND) started its journey on 15<sup>th</sup> October 2015 as the country's first dedicated paediatric nephrology ICU, aiming to provide comprehensive critical care and dialysis support for children with life threatening kidney and related systemic illness.

## Infrastructure and Equipment

Total 8 beds (One non-paying)

Mechanical Ventilator	7	IPD Catheters	20
Syringe pump	30	Hemodialysis machine	6
Infusion pump	2	Dialyzer	50
Endotracheal tube	12	Biopsy gun	5
Laryngoscope	10	Portable hemodialysis machine	2
Blood line	20	HD Catheters	5
LED Phototherapy Machine	2	Portable Ultrasound Machine	2
Incubator	1	Portable Echocardiography Machine	1
Cardiac monitor	11	Portable X-ray Machine	1
Ophthalmoscope	1	Reverse osmosis plant	2
High Flow Nasal Cannula	6	SP02 Sensor	10
ABG Machine	1	Oxygen Concentrator	2
ECG Machine	1	Positive Air Way Pressure	2

## Services

CCND is providing specialized care in the field of nephrology to children coming from all over the country. Critical Care Nephrology Department (CCND), is taking care of renal complications (Primary Nephrotic Syndrome, Secondary Nephrotic Syndrome, SLE with Nephritis with Cerebral Lupus, Hemolytic Uremic Syndrome, Wasp Bite, CKD with various complications, Acute Kidney Injury, APSGN and non-renal patients. Here all the procedures like Vascular access, hemodialysis, SLED Hemodialysis, peritoneal dialysis and Continuous Ambulatory Peritoneal Dialysis (CAPD), Renal Biopsies, Intubation with Ventilator care, HFNC, Chest tube drainages, Suprapubic Cystostomy, Nephrostomy are done routinely.

## New Services

Introduction of a fogger machine to reduce hospital-acquired sepsis, replacing fumigation in CCND.

First and only CRRT machine for critically ill children in Bangladesh was inaugurated in CCND on 02 November 2024. Three patients got CRRT in 2025.





## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Abbas Uddin Khan</b>	<b>MBBS, MD (Paed)</b>	<b>Professor &amp; Head</b>
Dr. Shaoli Sarker	MBBS, FCPS (Paed)	Associate Professor
Dr. Humaira Rafiqa Quaderi	MBBS, DCH, FCPS (Paed), FCPS (Paediatric Neurology)	
Dr. Shayla Imam Kanta	MBBS, MCPS, MD (Paed), FCPS (Paediatric Neurology)	
Dr. Md. Amzad Hossain	MBBS, FCPS (Paed)	Assistant Professor
Dr. Farhana Ahmed	MBBS, MPH, FCPS (Paed)	
Dr. Asma Haque	MBBS, DCH	
Dr. Shakila Khan	MBBS, MD (Paed)	Registrar
Dr. Ahmed Asif Ferdous	MBBS	Resident Medical Officer
Dr. Tafsira Ferdous	MBBS	
Dr. Shadia Siraj	MBBS, MPH	
Dr. Apel Mahmud	MBBS	
Dr. Md. Abid Ullah	MBBS, MD (Paed)	
Dr. Soad Binte Abdur Razzaque	MBBS, DCH	

### Post Graduate Trainee

Dr. Md. Amzad Hossain	FCPS Paediatric Neurology trainee
Dr. Soad Binte Abdur Razzaque	
Dr. Farhana Ahmed	
Dr. Shakila Khan	

### Auxiliary Staffs

Division	Number
Developmental Therapist	4
Psychologist	4
Psychosocial Counsellor	1
Office Manager	1
Computer Operator	1
Office Assistant	8
EEG & EMG Technicians	3

# Departmental Activities

CDC and OPD activities:	Number
General developmental assessment	575
Mental health assessment and follow up	1699
Psychological assessment	1836
RNDA assessment	660
Speech and language clinic	467
Multidisciplinary clinic	202
Psychosocial counselling	324
Epilepsy clinic	858
Autism- TIA	550
Neuro OPD	17381
EEG	3340
EMG	71

## Special Services

1. Child development centre (CDC) offers various services to the different neurological and neurodevelopmental underprivileged patients. by qualified and experienced development therapists, development psychologists and expert doctors.  
We also serve high risk neonates at RNDA clinic.  
The outpatients ASD and ADHD are being managed through mental health and autism clinics.
2. For the first time in Bangladesh the stem cells therapy in Paediatric Neurology department was introduce in July 2021. A total Ninety-three (93) patients consisting of Cerebral palsy, Autism spectrum disorders, Muscular Dystrophy, Acute Stroke and Neurogenic Bladders got stem cell therapy till date and the results are under observation.
3. Ketogenic diet used in different critical patients with drug refractory seizures, genetic epilepsy, epilepsy syndromes, SSPE etc.
4. Neuroelectrophysiology laboratory where NCS, EMG and EEG are carried out for neonates to adolescent age group.
5. Observed the SMA awareness month in august 2025 by arranging a CME. For the 1st time in Bangladesh we have given Risdiplam for the treatment of type I SMA patient.
6. A diagnostic DNA lab has been established recently for diagnosis of neuromuscular diseases like SMA and DMD where these patients can be diagnosed early for genetic counselling and further management.

## Future Roadmaps

1. Electronic database and printed prescription service for all the wings of Paediatric Neurosciences
2. Neurointensive care facility
3. Establishment of polysomnography to evaluate sleep disorders.
4. Amplitude-integrated EEG (aEEG) to monitor the brain function of preterm and term infants in neonatal intensive care units (NICUs).
5. Portable EEG service for very sick non-ambulatory patients in ICU
6. Neurofeedback therapy: A non-invasive treatment that helps in improving symptoms of ADHD, anxiety, and depression.
7. Training of the doctors, therapists and psychologists at home and abroad regarding their specialties.
8. Collaboration with other Institutes and organizations for continued upgraded and newer management approaches



Performing EEG



# Academic Activities

- Eminent seven faculty members are engaged in training and teaching of post graduate students like DCH, FCPS, MD courses under Bangladesh Shishu Hospital & Institute. Besides that, a huge number of post graduate students from different institutes like BMU, CMH, NIMH etc are getting placement for variable period of time round the year.
- Moreover, a 6 months training course for developmental therapy is running for eligible candidates interested in neurodevelopment.

## Publications

- Khan, M. A. U.**, Rumi, H. M., Atina, S. A. K., Tasdika, T. E., Tasnim, N., & Salauddin, G. (2025). Association of simple febrile seizure with iron deficiency anemia in children in a tertiary hospital in Gazipur, Bangladesh. *Northern International Medical College Journal*, 16(1), 745-749. <https://doi.org/10.3329/nimcj.v16i1.86522>
- Khan M**, Rumi H, Atina S, Tasdika T. Comparison of Light Emitting Diodes (LED) Versus Conventional Phototherapy in Treating Neonatal Jaundice. *taj J.* 2024;37(2):841-845. doi:10.70818/taj.v37i02.0566
- Md Abbas Uddin Khan**, Hasan Mahmud Rumi, Sumaiya Afroze Khan Atina, & Tafrida E Tasdika. (2025). Breast feeding pattern among young working mothers in an industrial area like Gazipur - A cross sectional study. *Pacific Journal of Medical Research*, 2(4), 282-289. <https://doi.org/10.70818/pjmr.v02i04.0158>

**4. Quaderi, H. R.**, Salauddin, G., & Khan, M. A. U. (2025). Association between Clinical Profile and Short-Term Outcomes in Paediatric Guillain-Barre Syndrome. *Northern International Medical College Journal*, 16(1), 721-727. <https://doi.org/10.3329/nimcj.v16i1.86518>

**5. Kanta, S. I.**, Shakil, K. M., Ara, U. N., Mahmud, A., Shabnam, N., Khan, M. A. U., & Yasmeen, B. H. N. (2025). Stem cell therapy in a child with Duchene Muscular Dystrophy (DMD) at Bangladesh Shishu Hospital and Institute, Dhaka. *Northern International Medical College Journal*, 16(1), 753-756. <https://doi.org/10.3329/nimcj.v16i1.86524>

**6. Shakila Khan**, Humaira Rafiqa Quaderi, Ahsan Ullah. A Study of Subacute Sclerosing Panencephalitis (SSPE):Clinical and Investigation Profile in a Tertiary Care Hospital. *Sch JApp Med Sci*, 2025 May 13(5): 1041-1044.

**7. Dr. Shakila Khan**, Dr. Ahsan Ullah, Dr. Syeda Tahmina Nasreen. Clinico-Demographic and Radiological Profile of Bronchiolitis Patients in a Tertiary Care Hospital in Bangladesh. *Med. res. chronicles* [Internet]. 2025 Apr. 30 [cited 2026 Jan. 17];12(2):233-7.

## Ongoing Research Work

Currently, two important research projects are going on funded by BSH&I grant:

1. Exploring the association between the lead exposure and ADHD in children  
**PI: Dr. Shaoli Sarker**, Associate Professor

2. Clinical profile, diagnostic challenges and outcome of Paediatric herpes simplex encephalitis in a tertiary care hospital in Bangladesh

**PI: Dr. Humaira Rafiqa Quaderi**, Associate Professor



Oral Risdiplam is giving to SMA patient



Developmental therapy



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Mohammad Monir Hossain</b>	<b>MBBS, DCH, FCPS, MD, PhD, FRCP(Edin), FRCP (Glasgow), FRCPCH (UK)</b>	<b>Professor &amp; Head</b>
Prof. Dr. Mahfuza Shirin	MBBS, FCPS (Paed)	Professor
Prof. Dr. Maksudur Rahman	MBBS, DCH, FCPS (Paed), MD (Neonatology)	
Dr. Liton Chandra Saha	MBBS, FCPS (Neonatology)	Associate Professor
Dr. M A Kamal	MBBS, DCH	
Dr. Nishat Jahan	MBBS, DCH, FCPS (Neonatology)	Assistant Professor
Dr. Kanta Chowdhury	MBBS, DCH	
Dr. Nurun Nahar	MBBS, DCH	
Dr. Kanta Halder	MBBS, MD (Paed)	Registrar
Dr. Nazma Sultana	MBBS	Registrar-In-charge
Dr. Md. Abrar Newaz Khan	MBBS	Resident Medical Officer
Dr. Md. Suman Parves	MBBS, DCH	
Dr. Md. Towhiduzzaman	MBBS	
Dr. Md. Mahmudul Hasan	MBBS	
Dr. Juiyena Ferdousi	MBBS, MD (Paed)	
Dr. Muslima Amir Euree	MBBS	

### Post Graduate Trainee

Dr. Kanta Halder	FCPS Neonatology Part II Trainee
Dr. Nazma Sultana	
Dr. Sumon Parves	
Dr. Farhana Alam	MD Neonatology Phase B
Dr. Sharmin Akter	
Dr. Fatema Islam	
Dr. Subrata Dey	
Dr. Nur-E- Shahajadi	
Dr. Tasnim Jerin	
Dr. Mahbuba Islam	
Dr. Asrath Jarin Keya	
Dr. Fatematu Johora Shathe	
Dr. Asrath Jarin Keya	

Neonatology & NICU

**Auxiliary Staffs**

Division	Name	Designation
NICU	Tahmina Akter	SSN (Sister in-charge)
SCABU-1	Sikta Halder	
SCABU-2	Morsheda Khatun	
Sister for conducting KMC	Nioti Dalbot	

**Departmental Activities**

Indoor Services	Number
Total admission	2806
NICU admission	701
SCABU & other wards	2039
Total death	428
Death rate	15.2 %

Outpatient Service every Saturday and Wednesday	Number
OPD (follow up clinic)	1232
Everyday neonatal OPD	330
KMC follow up	127

Procedures	Number
Kangaroo Mother Care (KMC)	176
Exchange Transfusion	23
Central (Umbilical) Venous Catheterization	65
Bed-side Functional Echocardiogram	232

**Advancements during this period**

1. Early withdrawal of intravenous medication and introduction of oral/NG/OG feeding as well as medication to reduction the rate of sepsis
2. Establishment of early Kangaroo Mother Care (even in NICU)
3. Bed-side functional echocardiogram- 232 portable echocardiography was done
4. Continuous health education for mothers and caregivers
5. Neonatology OPD service from every Saturday to Thursday has been started since July,2025 along with previous follow up clinic
6. Renovation of Department of Neonatology is ongoing which will include department's own classroom and training centre



# Academic Activities

## Research works done

- Effects of prophylactic Aminophylline on prevention of kidney injury in perinatal asphyxia by measuring urinary Neutrophil Gelatin Associated Lipocalin (NGAL) - A control trial done by **Dr. Samira Islam Nisha**, guided by Prof. Dr. M Monir Hossain.
- Lactose expressed breast milk to enhance weight gain by reducing feeding intolerance in preterm neonates- Randomized control trial done by **Dr. Nuzhat Nuyeri Sawsan**, guided by Prof. Dr. Mahfuzা Shirin.
- Prediction of mortality by neonatal sequential organ failure score (nSOFA) among preterm low birth weight babies: a prospective observational study, done by **Dr. Sonya Akter**, guided by Prof. M Monir Hossain.

## Publications

- Jahan N**, Saha LC, Bhuiyan F, Nisha SI. Purpura fulminans in neonate: a case report. *DS (Child) HJ*. 2023;39(2):120-22.

- Jahan N**, Shirin M, Rahman M, Saha LC, Chowdhury K, Hossain MM, Hoque MM. Clinical features and outcome of neonatal dengue - experience from a tertiary care hospital. *Northern International Medical College Journal*. 2023-2024;15(1-2):685-687. DOI:<https://doi.org/10.3329/nimcj.v15i1.85402> (online 11 November2025)
- Saha LC**, Saha RR, Jahan N, Rahman M, Hoque M, Shirin M, Hossain MM. Association between corrected anion gap metabolic acidosis and mechanical ventilation requirement in critically ill neonates. *Northern International Medical College Journal*. 2024-2025;16(1-2): 728-733.
- Saha LC**, Saha RR, Jahan N, Rahman M, Hoque M, Shirin M, Hossain MM. Factors influencing neonatal mortality rate in high-risk hospital settings. *Northern International Medical College Journal*. 2022-2023;14(1-2):633-638.
- Chowdhury K**, Hossain, M. M., Hoque, M. M., Jahan, R. A., Zaman, S., Salauddin, G., & Sarker, L. (2025). Demographic and Clinical profile of Neonates admitted in a NICU of a Tertiary Care Hospital in Bangladesh. *Northern International Medical College Journal*, 16(1), 740-744. <https://doi.org/10.3329/nimcj.v16i1.86521>

# Neonatal Intensive Care Unit (NICU)

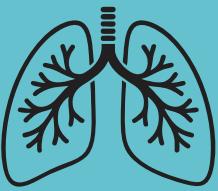


Total 16 NICU beds (11 paying beds, 5 non-paying beds) provided intensive care support to 701 neonates in 2025.

## Our services

- Provision of higher respiratory support: Provided ventilator support to 283 neonates and CPAP/HFNC support to 84 neonates.
- Central venous (umbilical) catheterization for exchange transfusion as well as medication.
- Bed side portable echocardiography.
- Provision of Kangaroo Mother Care even in NICU for very preterm low birth weight neonates.
- Early withdrawal of intravenous medications and early initiation of oral feeding.
- Provision of intensive care for surgical (pre and post operative) patients. 26 surgical patients received NICU care during this period.

# Paediatric Respiratory Medicine & RICU



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Jahangir Alam</b>	<b>MBBS, DCH, MCPS, FCPS, FRCP</b>	<b>Professor &amp; Head</b>
Prof. Dr. Probir Kumar Sarkar	MBBS, DCH, MCPS, FCPS	Professor
Dr. Sarabon Tahura	MBBS, FCPS, FCCP, Fellowship in Paediatric Bronchoscopy	Associate Professor
Dr. Mosharraf Hossain	MBBS, DCH, MPH	
Dr. Md Kamruzzaman	MBBS, DCH, DTCD, MPH	
Dr. Nabila Akand	MBBS, DCH, MCPS, FCPS, MRCPCH	Assistant Professor (on leave)
Dr. Naznin Akhter	MBBS, MD (Paed)	Junior Consultant
Dr. Johora Akter	MBBS, FCPS (Paed)	Registrar (General pulmonology)
Dr. Dite Talukder	MBBS, MD (Paed)	Registrar (RICU)
Dr. Taniza Jabin	MBBS, DCH	Registrar-In-charge (General pulmonology)
Dr. Khandakar Ashikur Zaman	MBBS	
Dr. Sathi Sultana Rima	MBBS	
Dr. Tasnim Hosain	MBBS	
Dr. Md. Alauddin	MBBS, DCH	
Dr. Md. Azharul Islam	MBBS	
Dr. Md. Sazzad Al Hasan	MBBS	(on leave)
Dr. Rehana Zaman	MBBS, MD (Paed)	Resident Medical Officer (RICU)
Dr. Amzad Hossain	MBBS	
Dr. Md Saiful Islam	MBBS	
Dr. Junayed Ishtiaq Bhuiyan	MBBS	
Dr. Sagar Mollah	MBBS	
Dr. Kalyanmay Deb Dip	MBBS	
Post Graduate Trainee		
Dr. Asma Bint Anowar	FCPS Paediatric Pulmonology Part II Trainee	
Dr. Nabila Akand		
Dr. Johora Akter		
Dr. Dite Talukder		
Dr. Rehana Zaman		

**Auxiliary Staffs**

Name	Position
Amit Kumer Tarafder	Bronchoscopy Attendant
Fatima	RICU In charge
Most. Rina Parvin	Pneumonia Ward In charge
Eva Soren	Asthma Centre In charge

**Departmental Activities**

Indoor Services	Number
General pulmonology (Ward & Cabin: Paying)	14
General pulmonology (Ward: Non- paying)	17
Total Admission (In wards and cabins)	1600
Total Admission in RICU	559
Total Death	103 (4.6%)

Indoor procedures	No of procedure
Gastric Lavage for AFB & Gene X-pert	453
Tube Thoracostomy	210
Pleural fluid aspiration	189
Needle decompression for tension pneumothorax	05
Sputum induction and expectoration	474
Lymph node biopsy	228

Outpatient Services	
General Pulmonology OPD	Everyday
Asthma Clinic	Everyday
TB Clinic	Everyday
CF Clinic	Every Tuesday
Total no of patients received outdoor treatment	6315

Outdoor procedures	
Spirometry	135
Fractional Exhaled Nitric Oxide (FeNO)	Out of order
Sweat Chloride test	Out of order



Spirometry Test

## Surgical Interventions in collaboration with Thoracic -surgery

Diagnosis	Procedures	No
Encysted pleural effusion/empyema	VATS	05
Encysted empyema with thickened pleura	Decortication	18
Congenital lobar emphysema	Congenital lobar emphysema	02
Congenital mature cystic teratoma	Excision	01
Encysted hydropneumothorax /multiple cavitations	Decortication with wedge resection	05

Future Roadmap
➤ Expansion of point-of-care services such as bedside echocardiography, lung ultrasound, and continuous hemodynamic monitoring
➤ Introduction of Advanced Respiratory Support like High Frequency Oscillatory Ventilator, Dual Mode Ventilator
➤ Strengthening of infection prevention practices and isolation facilities
➤ Establishment of a digital ICU database
➤ Complete Pulmonary function Lab including Sleep Lab
➤ Procurement of bronchoscopy machine along with Cryo and APC (Argon plasma coagulation)
➤ Arrangement of training on bronchoscopy for doctors

# Respiratory Intensive Care Unit (RICU)



**Establishment:** The Respiratory Intensive Care Unit (RICU) started its journey on 7 March 2023 as the country's first dedicated Paediatric Respiratory ICU, aiming to provide comprehensive critical care for children with life-threatening respiratory and related systemic illness.

## Infrastructure & Equipment

Total beds 11 (non paying 2)

The unit is equipped with advanced life-support facilities, including:

Mechanical ventilators	8
High-Flow Nasal Cannula (HFNC) systems	6
Syringe pumps	14
Pulse oximeters	7
Cardiac monitors	2
Portable X-ray machine	1

**Patient Care & Admissions:** Total 556 patients were served during last year in RICU. Common indications for admission include severe pneumonia, acute respiratory failure, bronchiolitis with complications, asthma exacerbation, empyema thoraces, pneumothorax, and other complex respiratory emergencies. This ICU also served patients with critical dengue illnesses such as: Decompensated dengue shock syndrome (DSS), dengue with fluid overload, dengue myocarditis, dengue-associated macrophage activation syndrome (MAS).

**Critical Interventions Performed:** Essential bedside and invasive procedures performed

Central venous catheterization	112
Bedside tube thoracostomy	52
Thoracocentesis	86
Needle decompression for pneumothorax, surgical emphysema	37



Pleural Tap      CV catheterization

## Bronchoscopy

Total bronchoscopic procedures done up to March, 2025 until the bronchoscopy machine was dysfunctioning

Therapeutic	19
Diagnostic	21



# Academic Activities

## Accreditation by BCPS

The Department of Paediatric Respiratory Medicine is accredited by the Bangladesh College of Physicians & Surgeons (BCPS) for the full three-year Fellowship training in Paediatric Pulmonology and is the only approved centre for conducting the FCPS Paediatric Pulmonology Final Examination in the country.

### Publications

- Sarker PK**, Akand N, Tahura S, Kamruzzaman M, Akter J, Zaman KA, Farhana T, Hossain MM, Alam MJ, Khan MA, Hasan MJ. Clinico-epidemiological Characteristics of Children with Cystic Fibrosis: a Tertiary Care Experience. Mymensingh medical journal: MMJ. 2025 Oct;34(4):1070-80.
- Tahura S**, Anowar AB, Kamruzzaman M, Alam MJ, Sarkar PK. Etiological Spectrum and Outcome of Pleural Effusion in Children: A Hospital Based Study from Bangladesh. NIMCJ 2025; 16(1-2): 712-15
- Tahura S**, Talukder D, Akter J, Chakraborti B, Anwar AB. An Unusual Foreign Body in a Child's Airway: A Metallic Spark wheel of a Gas Lighter. NIMCJ 2024; 15(1-2): 695-97 (published in 2025)



Internal Academic Session

4. **Tahura S**, Akter J, Chakraborti B, Jabin T. An Unusual Foreign Body in the Airway of an 11-month-old Girl mimicking Bronchiolitis. DS (Child) HJ 2023; 40(1): 60-63 (published in 2025)

5. **Talukder D, Liza S**, Roy DJ, Selimuzzaman M, Rasha TK, Baidya M. Reduction of Serum Ferritin after Deferasirox Treatment in Thalassemic Children. Journal of Rangpur Medical College. 2025 Jun 24;10(1):82-6.

### Recent Researches

- The efficacy of pleural irrigation with normal saline versus streptokinase for the management of empyema thoracis in children: A randomized controlled trial: **Dr. Asma Bint Anowar**, Prof. Dr. Md. Jahangir Alam, Prof. Dr. Probir Kumar Sarkar, Dr. Sarabon Tahura,

### Ongoing Research Work

- Viral causes of community-acquired pneumonia in children under 5 years: An analytic cross-sectional hospital-based study using multiplex PCR

PI: **Dr. Sarabon Tahura**

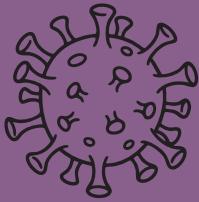


Ward Round



Respiratory Intensive Care Unit

# Paediatric Infectious Disease and Community Paediatrics



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Mirza Md. Ziaul Islam</b>	<b>MBBS.MD (Paed)</b>	<b>Professor &amp; Head</b>
Prof. Dr. Md. Atiqul Islam	MBBS, DCH, MCPS, MD (Paed)	Professor (C.C)
Dr. Md. Jafar Iqbal	MBBS.MD (Paed)	Assistant Professor
Dr. Tanusree Sen	MBBS, FCPS (Paed)	Registrar-In-charge
Dr. Baishakhi Modak	MBBS	Resident Medical Officer
Dr. Samsud Doha Ulfat	MBBS, DCH	
Dr. Sonia Naznin Zaman	MBBS	
Dr. Habiba Alam	MBBS	
Dr. Sumaiya Jahan	MBBS	

## Departmental Activities

Indoor Services	
Total admission days	60
Total admitted patients	958
Total death	05
Total morning season	55
Case of academic interest	04
Death discussion	04
All patients in dengue cell are managed by paediatric infectious disease and community paediatrics department.	
Also concerned about emerging infectious diseases like Monkey pox, Anthrax, NIPAH virus etc.	
Seminar held on Dengue fever, Monkey pox, Influenza and vaccination last year.	
Training on evidence-based dengue case management in line with the revised treatment guideline and best practices. Arranged training program with collaboration to director general of health services (DGHS). Both doctors and nurses were trained through this program.	
In patient services to all type of diseases of children. Outpatient consultancy at every Thursday.	
Follow up clinic at every wednesday.	
Three faculty members are engaged in training and teaching of post graduate students DCH, FCPS, MD. We have self donated poor fund to provide support for the needful patient.	

### Future Roadmap

- To establish Isolated ICU to serve the critically ill infectious disease patients.
- To collaborate with international paediatric infectious disease department.



# General Paediatrics



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. B H Nazma Yasmeen</b>	<b>MBBS, MCPS, MD (Paed), FRCP (Glasgow)</b>	<b>Professor &amp; Head</b>
Prof. Dr. Ishrat Jahan MBBS,	MBBS, FCPS (Paed), MD (Paed)	Professor
Prof. Dr. Akhand Tanzih Sultana	MBBS, DCH, MD (Paed)	
Prof. Dr. Rowshan Jahan Akter	MBBS, DCH, MD (Paed)	
Dr. Afroz Taslima	MBBS, DCH	Registrar-In-charge
Dr. Saenat Haque	MBBS	Resident Medical Officer
Dr. Aysha Noor	MBBS	
Dr. Shekufe Zaman	MBBS, DCH	
Dr. Nadira Khanom	MBBS	
Dr. Md. Shahin Reza	MBBS, DCH	
Dr. Mohammad Khaled Bin Ismaeel	MBBS, DCH	

### Post Graduate Student

Dr. Md. Abdus Sabur	MD Phase B (Paed)
Dr. Samir Banik	
Dr. Md. Habibur Rahman	
Dr. Tamanna Ferdousy	
Dr. Md. Eyasin Chowdhury	
Dr. Nishat Jahan Shramin	
Dr. Jannatul Ferdous	
Dr. Fatima Akter Rupa	
Dr. Tasnuva Hossain	
Dr. Md. Atikuzzaman	

### Post Graduate Student

Dr. Mishita Debnath Mou	MD Phase A (Paediatrics)
Dr. Raisa Mukarrama	
Dr. Al Imran	
Dr. Jenat Tasnim	
Dr. Md. Rashedul Islam Roman	
Dr. Nirupoma Das	
Dr. Md. Abu Saleh Musa Sojib	
Dr. Rokshana Hossain	

### Post Graduate Student

Dr. Nandola Jahan Hashmi DCH  
 Dr. Nepen Debnath  
 Dr. Tania yesmin Setu  
 Dr. Jarin Tasnim Anika  
 Dr. Mahbuba Afroz  
 Dr. Zannatul Mawa  
 Dr. Kamrun Nahar Shepa  
 Dr. Razib Hasan Shuvo  
 Dr. Md Forhad Hossen  
 Dr. Srabonty Kundu  
 Dr. Md. Badal Miah  
 Dr. Mahfuza Akter  
 Dr. Md. Alauddin

## Departmental Activities

Indoor Services	Number
Total admission days	70
Total admitted patients	1600
Total death	5
Total morning session	60
Case of academic interest	4
Death discussion	4
Seminar	4

### Future Roadmap

1. To further increase the passing rate Post graduate student of different courses
2. To have dedicated space for the department of General Paediatrics
3. To create environment for more research activity and inspire students to the field of research



# Academic Activities

- Facilitation of MD residency & DCH (Diploma in Child Health) course. Every year about 15 students in MD & 15 students in DCH are admitted to General Paediatrics.
- The respective supervisor of General paediatrics organizes intradepartmental presentations of Clinical meetings, Death audits, Journal presentations, Seminars and phase final examinations.
- A session named 'Learning by Doing' is conducted by the supervisor for every student on every Sunday.
- Every year about 1600 patients is admitted under General Paediatrics and managed successfully.
- Follow-up clinic: Every Saturday
- Teaching of phase A students by the senior Phase B students
- Consultants take Clinical and Theory classes everyday
- Bed side teaching and during ward round every day.
- Clinical Examination class by faculty every day

## Achievements

- The passing rate of both Phase-A (57.89%) and Phase-B (87.75%) are improved from the previous and student passed of DCH course total 8
- Death rate is reduced from 3.2% to 1.9% than the previous year.
- About 52 dengue patients were managed successfully during dengue season without any death

## Publications

- B H N Yasmeen**, M T Islam, F Sadia, M J Abadien, M A R Khan, I Jahan, G Salauddin. Knowledge, Attitudes, and Practices Associated with COVID-19 Among Rickshaw Pullers of Dhaka, Bangladesh; NIMCJ2023-2024;14(1-2) :628-632.  
DOI :<https://doi.org/10.3329/nimcj.v14i1.85079> (online 25 October 2025)
- B H N Yasmeen**. Ketogenic Diet Following its 100th Anniversary. NIMCJ 2022-2023 ; 14(1-2):603-604. DOI:<https://doi.org/10.3329/nimcj.v14i1.85073> a. (online 25 October 2025)

- B H N Yasmeen**, M T Islam, I Jahan, R J Akhter, G Salauddin, L Sarker et al. A Cross-sectional Study on Purpose of Smartphone use among Urban Girls' School Students; NIMCJ 2023-2024; 15(1-2):667-671.  
DOI : <https://doi.org/10.3329/nimcj.v15i1.85398> (online 11 November 2025)
- B H N Yasmeen**. A Medical ID Can Save a Life; NIMCJ 2023-2024; 15(1-2):653-654. DOI:<https://doi.org/10.3329/nimcj.v15i1.85395>(online 11 November 2025)
- B H N Yasmeen**, M T Islam, F R Chowdhury, S Mahmud, Z S Shahid, S Parvin et.al. Medical College Student's Knowledge, Attitude, and Practice Regarding Organ Donation - A Multi Centre Study; NIMCJ 2024-2025; 16(1-2):706-711.  
DOI :<https://doi.org/10.3329/nimcj.v16i1.86515> (online 30 December 2025)
- I Jahan**, J Akter, T M Shetu, Z Sultana, B H N Yasmeen Double Surface LED Phototherapy as an Effective Alternative to Exchange Transfusion in Neonatal Jaundice; NIMCJ 2024-2025; 16(1-2):716-720. (online 30 December 2025)  
DOI:<https://doi.org/10.3329/nimcj.v16i1.86517>
- K Chowdhury, M M Hossain, M M Hoque, **R A Jahan**, S Zaman, G Salauddin et.al. Demographic and Clinical profile of Neonates admitted in a NICU of a Tertiary Care Hospital in Bangladesh; NIMCJ 2024-2025; 16(1-2):740-744.  
DOI : <https://doi.org/10.3329/nimcj.v16i1.86521> (online 30 December 2025)
- B H N Yasmeen**.20 Years of Celebrating Giving; Thank You, Blood Donors. NIMCJ 2023-2024; 15(1-2):703-705.  
DOI:<https://doi.org/10.3329/nimcj.v16i1.86515> (online 30 December 2025)

## Ongoing Research Work

Booster dose of Hepatitis B vaccine- is it necessary.

**PI- Prof. Dr. Rowshan Jahan Akter**

**AI- Prof. B.H. Nazma Yasmeen**

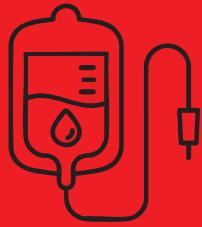
**Funded by-** Ministry of health and Technology

## Recent Research Work

- Effect of GMCSF in neonatal sepsis- A Randomise Control Trial- **PI-Prof. Dr. Rowshan Jahan Akter, Col- Prof. Dr. Md. Mahbubul Hoque**
- Role of Vitamin D As an Adjuvant therapy in neonatal sepsis –Randomized controlled trial. **Dr. Md. Muneebur Rahman**. January-2025

3. Serum Vitamin D Level With serum procalcitonin level in septic neonates: Across-sectional comparative study. **Dr. Nazneen Akter.** January-2025
4. Modified TAL Score can be a suitable Alternative of pulse Oximetry in Bronchiolitis: A cross Sectional observational Study. **Dr. Mst. Farhana Yasmin.** January-2025
5. Assessment of Feeding practice for Outcome of Bronchiolitis in Children: Across Sectional Study in Tertiary care Paediatric Hospital. **Dr. Md. Atique Ullah.** January-2025
6. Effect of Massage therapy on serum bilirubin levels in near Term and term neonates with indirect hyperbilirubinemia undergoing phototherapy: a Randomized control trial. **Dr. Muntaha Tabassum.** January-2025
7. Role of -NT proBNP level to assess grades of heart failure in Children with heart disease and its correlation with left ventricular ejection fraction. **Dr. Nadia Islam.** January-2025
8. Enteral iron supplementation at 2 weeks versus 4 weeks of Age in preterm Low birth weight Infants: A randomized controlled trial. **Dr. Mukta Thakur.** January-2025
9. C-reactive protein platelet ratio as a predictor in diagnosis of neonatal sepsis. **Dr. Mithun Debnath.** January-2025
10. Single surface phototherapy with reflecting curtains versus double surface phototherapy without reflecting curtains in late preterm and term neonates with direct hyperbilirubinemia: A randomized controlled trial. **Dr. MD. Mostafizar Rahman.** July 2025
11. Antibody response (IgG) spike protein- receptor binding domain in sars- Cov-2-infected non-vaccinated and vaccinated children. **Dr. Irfan Parvin.** July 2025
12. Recovery time and its Associated factors among children age 6-59 months with severe acute malnutrition in a tertiary care hospital of Bangladesh. **Dr. Asfi Rahman.** July-2025
13. Association of vitamin B12 deficiency with Neurodevelopmental impairment in children with severe acute malnutrition. **Dr. Rehana Zaman.** July-2025
14. Comparison between full outline of unresponsiveness (Four) Score and Glasgow coma scale (Ges) to predict the outcome of patient admitted with altered sensorium. **Dr. Shovan Banik.** July 2025
15. Serum vitamin D status and its association with etiology and clinic laboratory profile in cholestatic children. **Dr. Hasan Mohammad Taif.** July-2025
16. Effectiveness of early morning vs bed time. Intake of levothyroxine in children with congenital Hypothyroidism: A randomized controlled trial. **Dr. Surovi Sen.** July-2025
17. Effect of albumin administration on serum bilirubin level and short- term neurodevelopmental outcome in term neonates with hyperbilirubinaemia requiring exchange transfusion: A randomized controlled trial. **Dr. Rifat Kamal.** July-2025
18. Comparison of pressure-regulated volume control ventilation and pressure-control ventilation on oxygenation and lung dynamics of neonates with acute respiratory failure. **Dr. Rounak Zahan.** July 2025
19. Treatment outcome of indigenous bubble cpap versus oxygen therapy among neonatal presenting with respiratory Distress-A Randomized controlled Trail. **Dr. Jakiya Jesmine.** July 2025.





# Paediatric Haematology and Oncology



## Overview of the Department

Name	Qualification	Designation
<b>Dr. Md. Belayet Hossain</b>	<b>MBBS, FCPS (Haematology)</b>	<b>Professor &amp; Head</b>
Dr. Md. Abdul Wohab	MBBS, MD (Paed), FCPS (Paed), FCPS (Paediatric Haematology & Oncology)	Professor
Dr. Nilufar Akhtar Banu Choudhury	MBBS, DCH, MPH, Fellowship in Palliative Care	Associate Professor
Dr. Sajeda Sultana	MBBS, DCH, Fellowship in Palliative Care	Assistant Professor
Dr. Umme Nusrat Ara	MBBS, MD (Paediatric Haematology & Oncology)	
Dr. Md. Hasan Mehdi	MBBS, DCH, MPH	Registrar
Dr. Md. Fazlur Rahman Chowdhury	MBBS	Resident Medical Officer
Dr. Naima Rahman	MBBS, MD (Paed)	
Dr. Marzia Zabeen	MBBS, MD	

Department of Paediatric Haematology & Oncology was started in 1978 with six beds by Professor M S Hoq.

Over the year, the department was headed by Prof. Dr. Syed Khairul Amin.

Later on, Prof. Dr. Md. Selimuzzaman led the Department.

Now, the department is being led by Prof. Dr. Md. Belayet Hossain



Bone Marrow Aspiration



Ward Round



Intra-thecal Administration

# Departmental Activities

Services	Number
Total beds	46
Thalassemia centre	1
Hemophilia Treatment Centre	1
Haematology Lab	1
DNA Lab	1

## Indoor services

In indoor wards oncological patients are getting Chemotherapy daily.

## Outdoor services

Oncology Follow-up and Daycare Centre  
Follow-up: 20-25 patients per day.  
Chemotherapy as daycare basis: 10-15 patients per day.

## Thalassemia OPD

Outdoor, Follow-up, & Blood Transfusion services: 25-30 patients per day.  
Counselling of the Parents: 10-12 couple parents per day.

## Special Service

Haemophilia patients are receives Inj. Emicizumab as bypassing agent.

## Future Road map

Arrange Flow Cytometry machine for Immunophenotyping, MRD, and PID diagnosis and arrange Cytogenetic study facilities.  
Make available Morphine and related drugs for Palliative Care support.  
Arrange Cytospin centrifuge machine for CSF study of Leukaemia and Lymphoma patients and Subcutaneous Infusion Pump for iron chelation of Thalassemia patients.  
Arrange Reagents for Factor VIII & IX assay and Computerized patient profile and discharge certificate.  
Establishment of Bone Marrow Transplant Centre.  
Start MD Paediatric Haematology and Oncology Course  
Establishment of Bone Marrow Transplant Centre.

# Academic Activities

## Research Work

1. Outcome of updated chemotherapy schedules including Regimen C (For Acute Lymphoblastic Leukemia) done by Pediatric Hematology & Oncology Society of Bangladesh (PHOSB).

**PI: Md. Belayet Hossain.**

**Col: Md. Abdul Wohab,**

2. An international donor funded study on "Role of Emicizumab in the treatment of Hemophilia with inhibitors."

**PI: Md. Abdul Wohab.**

**Col: Sajeda Sultana**

3. Efficacy & safety of Thalidomide in reducing transfusion requirement in transfusion dependent Thalassemia patients.

**PI: Md. Belayet Hossain**

**Col: Nilufar Akhtar Banu Choudhury**

4. Outcome of Acute Promyelocytic Leukemia after treatment by non-chemotherapeutic drugs including Arsenic Tri Oxide (ATO) and all-Trans Retinoic Acid(ATRA).

**PI: Md. Belayet Hossain.**

**Col: Md. Abdul Wohab**

5. Efficacy of Eltrombopag in increasing platelet count in Acute Lymphoblastic Leukemia patients on chemotherapy.

**PI: Md. Belayet Hossain**

**Col: Md. Abdul Wohab**

7. Efficacy of Cyclosporin in Severe Aplastic Anemia.

**PI: Md. Belayet Hossain.**

**Col: Md. Abdul Wohab**

8. Outcome of Neuroblastoma stage IV with chemotherapy.

**PI: Md. Abdul Wohab.**

**Col: Md. Belayet Hossain**

9. Outcome of oral iron chelating drug Deferasirox in reducing serum ferritin level in multi-transfused Thalassemia patients in BSH & I Thalassemia center.

**PI: Nilufar Akhtar Banu Choudhury.****Col: Md. Belayet Hossain****Advancement in work**

1. Embassy of Japan provided Apheresis machine, Refrigerator (-86 degree Celsius) and Refrigerated Centrifuge Machine by which we are now preparing different blood components i.e., Single Donor Platelet (SDP), Random Donor Platelet (RDP), Red Cell Concentrate (RCC), Fresh Frozen Plasma (FFP), and Cryoprecipitate. These components are using by the patients of our hospital and of outside hospital also.

2. Two doctors have been trained on Palliative Care Services and then this service was initiated since 2020.
3. doing regular MRD screening and giving risk directed therapy and initiation of the updated and modified chemotherapeutic schedule done by Paediatric Haematology and Oncology Society of Bangladesh (PHOSB) in last year under technical support of World Child Cancer for leukaemia and solid tumours.
4. Doing cytogenetic study for risk stratification and targeted therapy.
5. commenced an departmental database system to collect and store patient's data.
6. Regular training provided to Nurses arranged by World Child Cancer for upgrading Nursing service to Haematological and oncological patients.

**Activities of Thalassemia Centre**

Thalassemia centre was established in 1998 with 2 bedded facilities of blood transfusion and lab diagnostic facilities of thalassemia by Hb. Electrophoresis by the initiative of Prof. Dr. Waqer Ahmed Khan. Then it was expanded in 2005. With the Aid of the Government of People's Republic of Japan via Embassy of Japan and JICA, a floor had been constructed in the new Building (B Block) for the Thalassemia Centre, facilities for Capillary and HPLC methods of Hb. Electrophoresis, DNA analysis and Prenatal diagnosis of thalassemia.

1. Total registered Thalassemia patients are almost 5000.
2. Daily 12 to 20 Thalassemia patients get safe blood transfusion (RCC).
3. Daily 3 to 5 Thalassemia patients get Desferrioxamine (Iron chelator) infusion.
4. Poor patients with thalassemia receive costly iron chelation medicines free of charge, along with it's free transfusion services, through the Zakat Fund of the Thalassemia Centre
5. Daily 15 to 25 Thalassemia patients get OPD and follow up services.
6. To create awareness amongst general population and thereby for prevention of birth of Thalassemia baby.

**Thalassemia Centre provide following services:**

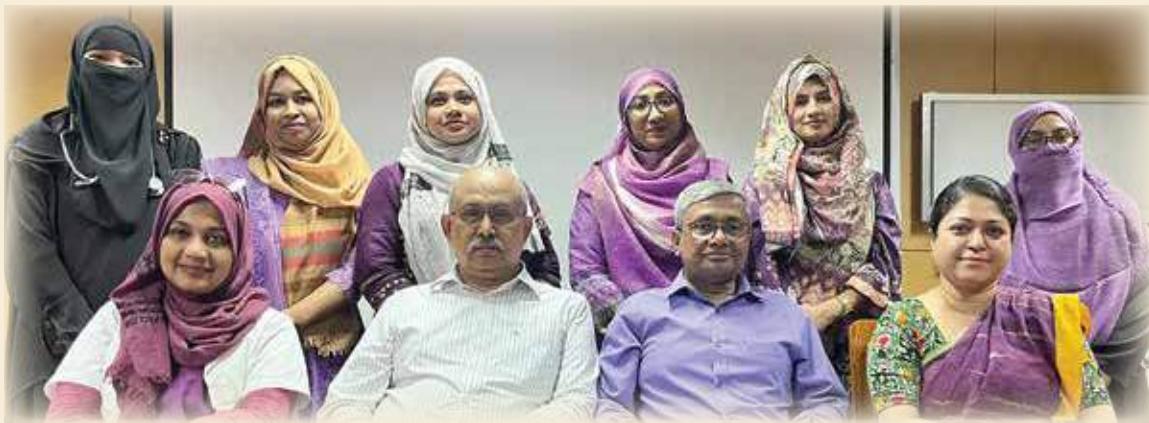
- a) Day to day counselling of Thalassemia patients and parents.
- b) Celebration of international Thalassemia Day (8th May) every year
- c) Distributed Bangla booklets "Thalassemia Ki" among Thalassemia patients and parents.
- d) Perform Thalassemia awareness programs in different academic institutions.



Receiving treatment protocols from WCC



# Paediatric Endocrinology and Metabolic Disorder



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Rabi Biswas</b>	<b>MBBS, DCH, FCPS (Paed), M.Phil (Hong Kong)</b>	<b>Professor (C.C) &amp; Head</b>
Dr. Md. Rafiqul Islam	MBBS, DCH, MPH	Associate Professor
Dr. Nahid Farzana	MBBS, FCPS (Paed)	Assistant Professor
Dr. Sultana Nadira Rahman	MBBS, FCPS (Paed)	
Dr. Sultana Yeasmin	MBBS, FCPS (Paed)	Registrar
Dr. Nazneen Akter	MBBS, MD (Paed)	Resident Medical Officer
Dr. Nazneen Akter Bristy	MBBS	
Dr. Nabila Naz Chowdhury	MBBS	
Dr. Md. Zahirul Islam	MBBS	
Post Graduate Trainee		
Dr. Nahid Farzana	FCPS Paediatric Endocrinology Part II Trainee	
Dr. Sultana Nadira Rahman		

## Departmental Activities

### Indoor Services

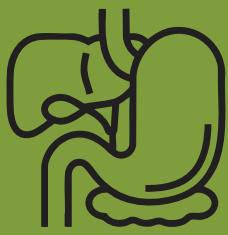
Endocrine Ward-4	6 (Non-paying)
Ward-1	5 (Non-paying)
Other Wards and Cabin	

### Outpatient services every Sunday and Tuesday

Hormonal Treatment	
Inj. Leuprolide Acetate for Central Precocious Puberty	58
Inj. Zoledronic Acid for Osteogenesis Imperfecta	9
Inj. Testosterone for Micropenis, DSD, Delayed puberty (Boy)	12
Inj. Somatotropin for Growth hormone deficiency	10
Inj. Insulin for treatment of DKA & DM	8
Tab. Estrogen for Delayed Puberty (Girl)	8

### Publications

- Farzana N**, Biswas R, Rahman N, Yeasmin S, Akhter N. Spectrum of Paediatric Endocrine Disorders: Experience from Bangladesh Shishu Hospital & Institute. Dhaka Shishu (Child) Hosp. J. [Internet]. 2025 Jul. 8 [cited 2026 Jan. 11];39(2):106-14. Available from: <https://banglajol.info/index.php/DSHJ/article/view/82859>
- Yeasmin S**, Biswas R, Rahman SN, Jahan R. Clinical and laboratory spectrum in central precocious puberty: A comprehensive analysis. International Journal of Paediatrics and Neonatology, January 2025;7(1):10-13.
- Akter, N.** (2025). Neonatal presentation of Persistent Hyperinsulinemic Hypoglycemia of Infancy. Northern International Medical College Journal, 14(1), 643–646. <https://doi.org/10.3329/nimcj.v14i1.85080>
- Yeasmin, S.**, & Ahmed, A. N. U. (2025). Spectrum of Cranial Ultrasound in Neonatal Seizure a Cross-sectional Study in a Tertiary Care Paediatric Hospital in Bangladesh. Northern International Medical College Journal, 14(1), 616–618. <https://doi.org/10.3329/nimcj.v14i1.85076>



# Paediatric Gastroenterology, Hepatology & Nutrition



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Syed Shafi Ahmed</b>	<b>MBBS, DCH, MD (Paed), FRCP (UK) &amp; PhD</b>	<b>Professor &amp; Head</b>
Prof. Dr. Salahuddin Mahmud	MBBS, MD (Paed)	Professor
Dr. Emdadul Haque	MBBS, DCH, MD (Paed)	Associate Professor
Dr. Madhabi Baidya	MBBS, FCPS (Paed)	Assistant Professor
Dr. Rafia Rashid	MBBS, FCPS (Paed), FCPS (Paediatric Gastroenterology & Nutrition)	
Dr. Ahmed Rashidul Hasan	MBBS, DCH, FCPS (Paed)	
Dr. Tanzila Farhana	MBBS, FCPS (Paed)	
Dr. Aniqa Nawar Khan	MBBS, DCH	Registrar-In-charge
Dr. Yamina Anika	MBBS	Resident Medical Officer
Dr. Tanvir Ahmed	MBBS	
Dr. Nuruzzaman Himel	MBBS, MD (Paed)	
Dr. Rokshana Hossain	MBBS, DCH	
Dr. Rumman-E-Jannat	MBBS, DCH	
Sabrina Makbul	M.S. & B.Sc (Hons.) Nutrition & Food Science	Senior Nutritionist Gastroenterology
Shanta Roy	M.S. & B.Sc (Hons.) Food & Nutrition	Senior Dietician Gastroenterology

### Post Graduate Trainee

Dr. Madhabi Baidya	FCPS Paediatric Gastroenterology & Nutrition Part II trainee
Dr. Ahmed Rashidul Hasan	
Dr. Tanzila Farhana	
Dr. Yamina Anika	
Dr. Aniqa Nawar Khan	
Dr. Khadiza Akhter	
Dr. Rumman-E-Jannat	

**Auxiliary Staffs**

Name	Position
Md. Firoz	Intervention Technician
Md. Atikur Rahman	Intervention expert SSN
Mst. Shorifa Khatun	Intervention expert SSN
Mst. Jeasmin Ara Khatun	Nursing Supervisor (W-15)
Sirin Akhter	Senior Staff Nurse
Most. Monjuara Khatun	
Puli Halder	
Sultana Khatun	
Champa Bhowmik	
Mst. Sultana	
Mala Biswas	

**Departmental Activities**

Types of beds	Number
Gastroenterology Ward (Paying)	13
Gastroenterology Ward (Non- paying)	04
Nutrition Ward	06

Services	
Indoor admission in Gastroenterology Ward	24 hrs.
Interventional Procedures	Sunday, Tuesday, Thursday
Emergency Interventional Procedures	24 hrs.
Gastroenterology & Nutrition Follow-up (35-40 patients daily)	Every Monday
Gastroenterology & Nutrition OPD (5-10 patients daily)	Everyday
Gastroenterology & Nutrition Referrals	Everyday 9 AM-2 PM

Indoor Services	
Total admission in wards and cabins	1945
Total number of patients with Gastrointestinal disease	756
Total number of patients with Hepatological disease	454
Total number of patients with Diarrheal disease	355
Total number of SAM patient	128
Total Dengue patients	36
Other general patients	216
Death	14 (0.72%)

Outpatient Services	
Gastroenterology & Nutrition OPD	Everyday
Gastroenterology & Nutrition Follow-up	Every Monday
Number of patients seen in 2025	3560

Future Roadmap	
1.	Renovation and extension of the department (Nutritional wing, procedure room, ward).
2.	To establish Diploma in Clinical Nutrition (DCN).
3.	Automation for data collection and research works.
4.	Hepatic ICU and Liver Dialysis Unit.
5.	Percutaneous Endoscopic Gastrostomy (PEG) and Endoscopic Balloon dilatation
6.	USG Guided percutaneous liver abscess drainage, pancreatic cyst drainage, biopsy from hepatoblastoma



## Interventional wing activities

### Gastroenterology

Abdominal Paracentesis	52
Upper GI Endoscopy	416
Variceal Band Ligation	102
Endoscopic Rapid Urease Strip Test	596
Foreign Body Removal	512
Colonoscopy	540
Colonoscopic Polypectomy	597
Endoscopic Biopsy	596
Endoscopic Foreign Body Removal	25
Colonoscopic Biopsy	686
<b>Hepatology</b>	
Liver Biopsy	223



Foreign bodies removed by our team



## Academic Activities

- Total 7 doctors of this unit are undergoing FCPS Paediatric Gastroenterology & Nutrition training.
- MD-Phase A, MD-Phase B, DCH students having their regular training in Paediatric Gastroenterology Hepatology & Nutrition.
- Clinical meeting, Journal club, Death Audit, Seminar related to Paediatric Gastroenterology Hepatology & Nutrition were regularly conducted.
- Consultants take theory and clinical classes every day.

### Publications

1. **Mahmud S**, Hossain MB, Haque E, Baidya M, Rashid R, Hasan AR, Farhana T et al. Effectiveness and safety of sofosbuvir/velpatasvir in chronic hepatitis C virus infection of Bangladeshi children. Egypt Liver Journal 15, 30(2025). <https://doi.org/10.1186/s43066-025-00430-2>
2. **Haque E**, Hasan A R, Farhana T, Mahmud S. Etiological and Clinical Profile of Acute Hepatitis in Children: Experience of A Tertiary Care Hospital in Bangladesh. DS (Child) H J 2024; 40 (1):30-34. (Published on 2025)
3. **Haque E**, Kamal M A. Evaluating Risk Factors for

Protein Energy Malnutrition in Severely Malnourished Children Admitted in Tertiary care. J Dhaka National Med Coll. Hos.2025;31(02): 17-23

4. **Haque E**, kamal MA. Clinical presentation and outcomes of neonatal cholestasis: Experience from a tertiary care hospital. J Shaheed Suhrawardy Med Coll. June2024; 16(1): 14-18. <http://www.banglajot.info/index.php/aSSMC>
5. **Hasan A R**, Farhana T, Haque E, Mahmud S. Assessment of Anaemia among Children Suffering from Severe Acute Malnutrition. DS (Child) H J 2024; 40 (1): 12-17. (Published on 2025)
6. **Baidya M**, Mahmud S, Rashid R, Hasan A R, Ahmed Muaz S, Farhana T (2025). Clinical profile of hepatitis A virus infection in children in a tertiary care hospital. International Journal of Contemporary Paediatrics, 12(4), 542-547
7. **Baidya M**, Mahmud S, Rashid R, Hasan A R, Farhana T, Ahmed Muaz SS (2025). Etiological spectrum and clinical profile of Portal Hypertension in Children at A Tertiary Care Hospital. Journal of Z H Sikder Women,s Medical College;2025, 8(1),15-20

8. **Rashid R**, Mahmud S, Madhabi Baidya, Hasan AR, Tanzila Farhana, Ahmed SS. Upper GI endoscopy in children with Helicobacter pylori Infection: Insights from a six-year retrospective review. *Gastroenterology & Endoscopy*. 2025 May 10;3(3):159–64.
9. **Farhana T**, Mahmud S, Tasneem F, Haque E, Rashid R, Baidya M, Tanha Z, Hasan AR, Shafayat Mohammad Imteaz, Ahmed T, Anika Y, Ahmed SS. Management of Childhood Esophageal Varices: Learnings from an Advanced Medical Centre. *Gastroenterol Hepatol Open Access*. 2025;16(1):61-65.
10. **Farhana T**, Mahmud S, Tasneem F, Haque E, Rashid R, Baidya M, Hasan AR, Shafayat Mohammad Imteaz, Ahmed T, Khan NA, Ahmed SS. The Burden of Antimicrobial Resistance Among Cystic Fibrosis Patients: An Emerging Public Health Concern in Tertiary Care Hospital. *Gastroenterol Hepatol Open Access*. 2025; 16(1):67-71.
11. **Farhana T**, Mahmud S, Tasneem F, Haque E, Rashid R, Baidya M, Hasan AR, Shafayat Mohammad Imteaz, Anika Y, Khan NA, Ahmed SS. Antimicrobial Susceptibility Profiles of Bacterial Isolates of Patients with Cystic Fibrosis Cases: A Cross-Sectional Study. *Gastroenterol Hepatol Open Access*. 2025;16(3):73-76.



Presenting to an international audience



During ward round



Follow-up Centre



Performing emergency Endoscopy



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Mamun Miah</b>	<b>MBBS, DCH, MCPS, FCPS (Paed), FRCP (Glasgow)</b>	<b>Professor &amp; Head</b>
Prof. Dr. Mir Mohammad Yusuf	MBBS, DCH, MD (Paed)	Professor (C.C)
Dr. Faruque Ahmad	MBBS, DCH, Fellow training in Child Nutrition	Assistant Professor
Dr. Shahnaz Pervin Sumi	MBBS, MCPS, FCPS (Paed), Advance Clinical Fellowship Training in Paediatric Rheumatology	
Dr. Sabrina Afrin	MBBS, FCPS (Paed), Advance Clinical Fellowship Training in Paediatric Rheumatology	
Dr. Shovon Saha	MBBS, MD (Paed)	Registrar
Dr. Md. Mahmudul Islam Khan	MBBS	Resident Medical officer
Dr. Halima Akter Tripty	MBBS, DCH	
Dr. Asif Hannan	MBBS	
Dr. Mohammad Shaiqul Islam	MBBS	

## Departmental Activities

The Department of Paediatric Rheumatology deals with all types of sick children and gives medical emergency services and integrated management from neonates to adolescents along with special focus on rheumatological patients. Outpatient services are provided every Sunday, where rheumatological patients receive consultation and follow-up care. The department follows an integrated approach to patient management, which helps to minimize unnecessary referrals to other sub-specialty departments. Various researches are conducted in this unit.

Services
1. In patient services to all types of diseases of children including rheumatological disorders.
2. Outpatient consultancy and follow-up clinic at every Sunday.
3. Procedures including administration of intra-articular steroid, subcutaneous Methotrexate, Gastric Lavage, MT, CSF Study, Swab collection etc.
4. 5 faculty members are engaged in training and teaching of post graduate students including DCH, FCPS, MD course

### Indoor Services

During the last year, 91 new rheumatological patients were admitted & after recovery they were enrolled in regular outpatient follow-up. Among these patients, Polyarticular JIA was the most common 24 (26.37%), followed by IgA Vasculitis 17(18.68%), ERA 16 (17.58%), SJIA 9 (9.89%), Oligoarticular JIA & Kawasaki disease 7(7.69% each), SLE 5(5.49%), Juvenile Dermatomyositis 3(3.30%), Polyarteritis nodosa 2(2.20%) & Undifferentiated JIA 1(1.10%). The use of biological agent such as Tocilizumab, Etanercept has been initiated

### Outdoor Services

A total of 317 rheumatological patients were seen in Paediatric rheumatology outpatient department during the last year. Cases were Polyarticular JIA 71 (22.40%), IgA Vasculitis 32 (10.10%), ERA 63 (19.87%), SJIA 46 (14.51%), Oligoarticular JIA 24(7.57%), Kawasaki disease 14(4.41%), SLE 17(5.36%), Juvenile Dermatomyositis 9(2.84%), Transient synovitis 6(1.89%), reactive arthritis 4(1.26%), Polyarteritis nodosa 2(0.63%), Overlap syndrome 4(1.26%), mixed connective tissue disease 2(0.63%), Undifferentiated JIA 1(0.03%) , Osgood-Schlatter disease 1(0.03%), leg-calve-perthes disease 1(0.03%) and growing pain 20(6.31%).

### Future Roadmap

1. Training recognition in FCPS Paediatric Rheumatology
2. Initiation of another biological agent therapy
3. Genetic analysis of Rheumatological disease
4. Exploration of stem cell therapy for refractory cases of JIA

## Academic Activities

### Ongoing Research activities

1. Growing pain in Paediatric practice: preventing mismanagement as JIA- **Prof. Dr. Mamun Miah**
2. Vitamin D profile in juvenile Idiopathic arthritis in a tertiary care hospital in Bangladesh- **Dr. Shahnaz Pervin Sumi**
3. Disease Activity States of Juvenile Idiopathic Arthritis in a Tertiary Referral Centre in Bangladesh- **Dr. Shahnaz Pervin Sumi**
4. Clinical profile of juvenile idiopathic arthritis in Bangladesh- **Dr. Shahnaz Pervin Sumi**
5. Juvenile Dermatomyositis: Clinico epidemiological and laboratory profile- A Bangladesh Shishu Hospital & Institute Study- **Dr. Sabrina Afrin**
6. Clinical and investigation profile of patients with JIA after getting conventional treatment for 12 months in A Tertiary care hospital of Bangladesh- **Dr. Sabrina Afrin**

### Publications

1. Role of electrolyte and acid-base disorder of critically sick neonates at the time of admission in a tertiary NICU as predictor of their mortality. EC Paediatrics. 2025;14(6) – **Prof. Dr. Mir Mohammad Yusuf**

2. Pattern of rheumatological diseases in children in a tertiary care hospital of Bangladesh. DS(Child) H J 2024; 40(1): 25-29 – **Prof. Dr. Mir Mohammad Yusuf**
3. Neonates of a Tertiary NICU with their Disease Pattern and Predictors of Mortality: A Retrospective Study- **Prof. Dr. Mir Mohammad Yusuf**  
(<https://doi.org/10.36347/sjams.2025.v13i05>)
4. Disease characteristics profile and preferred drugs treatment outcomes of JIA Subtypes: A tertiary care hospital experience in Bangladesh – **Prof. Dr. Mir Mohammad Yusuf**  
(<https://doi.org/10.3329/nimcj.v15i1.85397>)
5. Adjuvant Zinc Therapy Promotes Early Restoration of Hypoxia in Hospitalized Children with Pneumonia – **Dr. Faruque Ahmad** (DOI <https://doi.org/10.70818/apjmi.2025.v02i01.021>)
6. Clinical spectrum and frequency of causes of persistent cough in children admitted in bangladesh shishu hospital & institute- **Dr. Faruque Ahmad** (DOI:10.36348/sjmps.2025.v11i03.013)
7. Evaluation of serum vitamin D level in children with asthma -**Dr. Faruque Ahmad** (DOI:<https://doi.org/10.70818/pjmr.2025.v02i01.021>)



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Mahbubul Hoque</b>	<b>MBBS, FCPS (Paed), FRCP (Glasgow)</b>	<b>Professor &amp; Head</b>
Dr. Mohammed Akter Hossan Masud	MBBS, FCPS (Paed)	Assistant Professor
Dr. Mohammad Mashieur Rahman	MBBS, DCH, MPH	
Dr. Rumana Parveen	MBBS, FCPS (Paed)	
Dr. Farhat Lamisa Kabir	MBBS, MD (Paed)	Registrar-In-charge
Dr. Kamrul Hasan	MBBS, MD (Paed)	Registrar
Dr. Suntanu Kumar Kar	MBBS, MCPS	Resident Medical Officer
Dr. Mrinal Kanti Pandit	MBBS	
Dr. Mustafizur Rahaman	MBBS	
Dr. Omar Faruk	MBBS, DCH	
Dr. Md. Abdus Sabur	MBBS	
Dr. Md. Shakil Molla	MBBS, DCH	

### Auxiliary Staff

Name	Position
Teresa M Gomes	Nursing Supervisor
Kulsum Akhter	Nursing-in-charge
Senior Staff Nurse total 13	
Ward Boy total 3	

### Post Graduate Trainee

Dr. Mohammed Akter Hossan Masud	FCPS Paediatric Critical Care Medicine Part II Trainee
Dr. Mohammad Mashieur Rahman	
Dr. Rumana Parveen	
Dr. Farhat Lamisa Kabir	
Dr. Kamrul Hasan	
Dr. Mashura Musharraf	
Dr. Md Shakil Molla	

# Departmental Activities

Patient Services	
Total admitted patients-	838
Total death	185 (22%)
Procedures	
Bed-side functional echocardiogram	282
Central venous line	52
Umbilical venous catheterization	104
Exchange transfusion	4
Accreditation by BCPS	
Department of Critical Care Paediatrics is accredited by Bangladesh College of Physician & Surgeons (BCPS) for full duration of training (three years) as a part of Fellowship on Paediatric Critical Care Medicine.	
This is one of the pioneer institutes in the country that has got this full duration training accreditation on Paediatric Critical Care by BCPS.	

## Academic Activities

### Publications

1. Ming DK, Merriel A, Freeman DM, Kingdon C, Chimwaza Y, Islam MS, Cass A, Greenfield B, **Hoque M**, Saha S, Holmes AH. Advancing the management of maternal, fetal, and neonatal infection through harnessing digital health innovations. *The Lancet Digital Health*. 2024 Dec 1;6(12):e926-33.
2. Fung A, Heasley C, Pell LG, Bassani DG, Shah PS, Morris SK, **Hoque M**, Hamer D, Islam MS, Al Mahmud A, Pullenayegum E, Saha SK. Severe infection incidence among young infants in Dhaka, Bangladesh: an observational cohort study. *BMJ Public Health*. 2025 Jul 13;3(2).
3. Russell N, Clements MN, Azmery KS, Bekker A, Bielicki I, Dramowski A, Ellis S, Fataar A, **Hoque MM**, LeBeau K, O'Brien S, Schiavone F, Skoutari P, Islam MS, Saha SK, Walker AS, Whitelaw A, and Sharland M. Safety and efficacy of whole-body chlorhexidine gluconate cleansing with or

without emollient in hospitalised neonates (NeoCHG): a multicentre, randomised, open-label, factorial pilot trial. *eClinicalMedicine* 2024;69: 102463

<https://doi.org/10.1016/j.eclim.2024.102463>

4. **Rahman MS**, Hoque MM, Islam MA, Simi MA, Urmy SN, Khan T, Khatun H, Newaz M. Effect of Carica Papaya Leaves Juice on Plasma Leakage and Platelet Count among Children with Dengue Fever and Dengue Haemorrhagic Fever. *Sch J App Med Sci*, Feb, 2024; 12(2): 119-125
5. **Parveen R**, Masud AH, Kabir FL, Rahman MM, Hoque MM. Prolonged and Saddleback Fever in Children with Dengue: Prevalence and Severity Correlation in a Paediatric Intensive Care Unit. *Journal of Rangpur Medical College* 2025; 10(2): 128-134
6. **Parveen R**, Kabir FL, Masud AH, Sarkar PK, Hoque MM. Primary Immunodeficiency Disorders in Children Suffering from Persistent Pneumonia: Experience from A Tertiary Care Hospital. *Dhaka Shishu (Children) Hospital Journal* 2023; 39(2): 75-81 (Published on 2025)





# Emergency, Observation & Referral



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Abu Tayab</b>	<b>MBBS, DCH, MD (Paediatrics)</b>	<b>Professor &amp; Head</b>
Dr. Mohammed Rizwanul Ahsan	MBBS, DCH	Associate Professor (In-charge)
Dr. Abu Bakir Siddique	MBBS, MD (Paediatrics)	Assistant Professor
Dr. A.K.M Khairul Islam	MBBS, DCH, MPH	
Dr. Md. Saiful Islam	MBBS, MD (Paediatrics)	Registrar-in-charge
Dr. Niyaz Mahamood Talukder	MBBS	Resident Medical Officer
Dr. Miraj Uddin Khandoker	MBBS	
Dr. Sefat Ahamad Bhuiyan	MBBS	
Dr. Antara Talukder	MBBS, DCH	

### Auxiliary Staff

Name	Position
Nasrin Jahan Rima	Senior Staff Nurse, (Sister in-charge)
Mosa. Jhumur	Senior Staff Nurse
Lili Biswas	
Resmy Khatun	
Edwin Jewel Biswas	
Jannatul Ferdaws	
Etica Rani Sarker	
Shibli Akter	
Liza Akter	

## Departmental Activities

### Indoor Patient Service

Every day, patients with vomiting, diarrhoea, bronchiolitis, asthma come to the hospital, those who do not require admission, are kept in the observation bed of the emergency department, treated, observed for some time, and sent home with necessary treatment. On an average, 20-25 patient per day, 8000-9000 patients per year are given such treatment in the emergency department of the hospital. Moreover, patients who are in critical condition such as shock, enteric fever, severe pneumonia, kidney diseases, critical neonates come and are admitted into emergency and observation department for emergency treatment. Our department provides prompt assessment and stabilization of patients, facilitates short-term observation, monitoring, treatment, and ensures timely referral to appropriate specialties when required. This service is intended for clinically stable patients without life-threatening conditions, who can be managed through standard evaluation and treatment.

### Indoor Patient Service

Events	Number
Admission Day	Everyday
Total Admitted patient	2055
Transfer-out	655
Discharge	1398
Death	02

### Future Roadmap

To established at least 2-3 beds intensive care unit (ICU) for management of acute emergency patient.





## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Hossain Shahid Kamrul Alam</b>	<b>MBBS, DCH, MPH</b>	<b>Professor &amp; Head</b>
Dr. Tania Fardush	MBBS, FCPS (Paed), Trained in Child, Adolescent and Family Psychiatry (NIMH)	Assistant Professor
Dr. Amal Kanti Banik	MBBS, DCH	Junior Consultant
Dr. Kamrunnahar	MBBS, DCH	Registrar
Dr. Md Abdur Rashid Jwell	MBBS, DCH	
Dr. Aysha Azhar	MBBS	Resident Medical Officer
Dr. Saideya Mahinur Ahmed	MBBS	
Dr. Shariar Hossian	MBBS	
Dr. Md. Anis Uddin Bhuiyan	MBBS	
Dr. Md. Ibrahim	MBBS, DCH	
Dr. Shobnam Mustary Iye	MBBS	
Dr. Kazi Anisur Rahman	MBBS	
Dr. Nibrita	MBBS	Honorary Medical Officer

## Departmental Activities

Services	
In patient services	All types of acute, chronic, congenital & Psychiatric diseases of children.
Outpatient Services	Adolescent Female OPD Child and Adolescent Psychiatry
Follow up clinic	Everyday
In addition, 4 faculty members are engaged in training and teaching of post graduate students like DCH, FCPS, MD, MS.	

### Indoor Patients' Profile

Diseases	Number of Patients
<b>Infectious diseases</b>	
1. Dengue fever with warning sing	40
2. Dengue shock syndrome	23
3. Enteric Fever	35
4. Urinary tract infection	28
5. Mumps	2

Diseases related to GIT & hepatobiliary systems		Diseases related to nervous systems	
1. Acute viral hepatitis	40	1. Epilepsy	10
2. Peptic ulcer diseases	12	2. Meningitis	12
3. Acute pancreatitis	5	3. Encephalitis	03
3. Chronic liver diseases	2	4. Migraine	02
4. Wilson diseases	3	5. GBS	04
		6. CP with Epilepsy	05

Psychological disorder		Connective tissue	
1. Functional neurological symptom related disorder	07	1. SLE	03
2. Panic disorder	02	2. HSP	03
3. Anxiety related disorder	02	3. JIA	03
4. Conversion disorder	02		

Diseases		Number of Patients
<b>Diseases related to respiratory system</b>		
1. Pneumonic consolidation due to pneumonia		14
2. Tuberculosis		07
3. Bronchial Asthma		04

Diseases		Number of Patients
<b>Diseases related to Cardiovascular system</b>		
1. TOF with infective endocarditis		02

Outdoor Patients' Profile	
Gynecological health related problem (Dysmenorrhea, menorrhagia, irregular menstruation, vaginal candidiasis)	
Psychiatric diseases (Anxiety, panic disorder, post traumatic psychosis, anorexia nervosa, ADHD)	
Eating disorder	
Nutritional Anemia	
Obesity	
Vitamin D deficiency	
Skin disease	
Helminthiasis	
Constipation	
Upper respiratory tract infection	
Others (Dengue fever, Viral fever, UTI, Enteric fever, Acute tonsillitis, PUD)	

Future Roadmap	
1. To establish Adolescent Friendly Health Service	
Adolescent Friendly Health Service is a service provided by health institutions that focuses on the welfare of adolescents (10-19 years of age) through the guidance on how to maximize the use of health care services in the adolescents.	
The services will provide:	
2. Training recognition on Adolescent Medicine/ Paediatrics for Subspecialty.	





# High Dependency & Isolation



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Reaz Mobarak</b>	<b>MBBS, FRCP (UK), MS (Epidemiology, Columbia University, NY) MSc (Comm. Disability, ICH, London University) DCH, DTM &amp; H (London)</b>	<b>Professor &amp; Head</b>
Dr. Rafiqul Islam	MBBS, DCH, MPH, DTM (Japan)	Associate Professor
Dr. Md. Enayet Hossain	MBBS, MD	Assistant Professor
Dr. Ferdousi Begum	MBBS, DCH, MPH	
Dr. Mahmudul Hoque Chowdhury	MBBS, DCH, MPH	
Dr. Jui Paul	MBBS, DCH	Registrar-In-charge
Dr. Humayra Shahrin Surovy	MBBS	Resident Medical
Dr. Mithila Mehjabeen	MBBS	Officer
Dr. Sangita Das	MBBS	
Dr. Farzana Fahima Parzu	MBBS, DCH	
Dr. Md. Mahdi Amin	MBBS	
Dr. Shapla Rani Mahato	MBBS	
Dr. Nafisa Rahman	MBBS	Honorary Medical
Dr. Sadia Afrin Meem	MBBS	Officer

### Auxiliary Staffs

Name	Position
Khadija Parvin Munni	Senior Staff Nurse (Nursing Supervisor)

## Departmental Activities

### Indoor Patient Service

Total admission in ward: 2,250 patients

### Procedures

1. Lumber Puncture
2. CSF Pressure measurement (by Manometer)

### Future Roadmap

1. To establish ventilator support
2. Extension of HD&I ward

## Academic Activities

### Research Done

1. Dengue viral infection in children of a tertiary care Paediatric hospital in Bangladesh:
2. Epidemiological & Genetic Study. (2024-25)
3. Scenario of EBF practices and policy landscape analysis with action framework development in Bangladesh. (2024-25)
4. Clinical Profile, diagnostic challenges and outcome of Paediatric Herpes Simplex Encephalitis. (2025)
5. Exploring the association between Lead exposure and ADHD in Children. (2025)

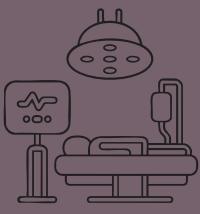
6. Epidemiology and clinical outcomes of Dengue Fever among Bangladeshi children. (2025)

### Publications

Ghosh K, Tony SR, Islam K, Mobarak R, Alam MJ, Kamruzzaman M, Alam S, Talha M, Al Faisal A, Islam N, Hossain MM. Epidemiology of Paediatric dengue virus infection, Scenario from a tertiary level hospital in Bangladesh. *Journal of Infection and Public Health.* 2025 Apr 1;18(4):102684.

Begum MN, Tony SR, Samia NS, Karim Y, Ghosh K, Mobarak R, Tayab MA, Sarkar PK, Ahmed F, Parvez M, Dola NZ. Dengue virus detection in nasopharyngeal swabs among Paediatric cases in Bangladesh. *IJID* regions. 2025 May 14:100670.





# General Paediatric Surgery and Stem Cell Therapy



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Aminur Rashid</b>	<b>MBBS, MS (Paediatric Surgery)</b>	<b>Professor &amp; Head</b>
Prof. Dr. Kazi Md. Noor-ul Ferdous	MBBS, MS (Paediatric Surgery)	Professor (C.C)
Prof. Dr. Khalid Mahmud	MBBS, MS (Paediatric Surgery)	
Dr. S. M. Mahmud	MBBS, MS (Paediatric Surgery)	Assistant Professor
Dr. Mubinul Azim Biplob	MBBS	Registrar
Dr. Fahim Hasan	MBBS, MS (Paediatric Surgery)	Resident Medical Officer
Dr. Samanta Saha	MBBS	
Dr. Ejaz Ahmed	MBBS	
Hafsa Binte Ahsan	MBBS	

### Post Graduate Students

Dr. Saleh Ahmed Sakib	MS (Paediatric Surgery)
Dr. Anisur Rahman Anis	
Dr. Ismail Hossain	
Dr. Sultana Sharifa Akter	

## Departmental Activities

### Clinical activities

Total Admission days	66
Total Admitted patients	847

### Surgery and Procedures

Major surgery	674
Minor surgery and OPD surgery	213
Recent advancement - Stem cell therapy	140
Recent advancement - Thoracic surgery	40



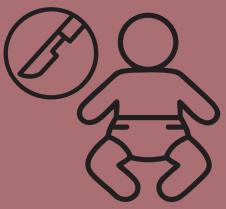
# Academic Activities

Class taken by the faculties	134
Academic discussion during ward round	284
Thesis done by MS students	2
Ongoing Thesis	4

## Stem Cell Therapy

Autologous stem cell therapy started in Bangladesh shishu hospital and institute on 27th July 2022. First procedure was performed by Professor Dr S M Khalid Mahmud under the department of General and Advanced Paediatric surgery and stem cell therapy. Till now total 485 procedures were done. Among them non healing wound, urethrocutaneous fistula, perforated appendix, urinary incontinence, meningocele, autism spectrum disorder (ASD), Duchene muscular dystrophy (DMD), Stroke syndrome, Cerebral palsy are important. We are performing those procedures in every Sunday. Assistant professor Dr. nusrat ara is working in association with professor Dr. SM Khalid Mahmud in every Sunday. Along with autologous we are trying to establish culture stem cell in coming future.





## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Ashrarur Rahman</b>	<b>MBBS, MS (Paediatric Surgery)</b>	<b>Professor &amp; Head</b>
Dr. Md. Samiul Hasan	MBBS, MS (Paediatric Surgery)	Associate Professor
Dr. S. M. Nazmul Islam	MBBS, MS (Paediatric Surgery)	Assistant Professor
Dr. Refoyez Mahmud	MBBS, MS (Paediatric Surgery), MRCS (England)	Registrar
Dr. Tuhin Akter	MBBS	Resident Medical Officer
Dr. Aparna Rani	MBBS	
Dr. Sadiqul Islam	MBBS	
Dr. Ummul Fatema Karim Biva	MBBS	

### Post Graduate Students (MS Paediatric Surgery)

Dr. Aparna Rani	Phase B
Dr. Sadiqul Islam	
Dr. Mohammad Boltu Hossain	
Dr. Shihabun Sakib	
Dr. Ummul Fatema Karim Biva	Phase A
Dr. Momo Chakraborty	
Dr. Muhamminul Islam	

## Departmental Activities

### Clinical activities

The department conducts a variety of procedure, including outpatient, inpatient, emergency, and electives cases. Patients also attend follow-up clinics for review visits. Additionally, team members actively participate in academic activities such as journal presentation, clinical case discussion, national and international seminars, publications and teaching.

Total Admission	817
Total discharge	808

### Surgery and Procedures

Total surgery	596
Major	350
Intermediate	126
Minor	120
Neonatal surgery	110
Hepatobiliary	25
Colorectal	135
Urology	126
Laparoscopic surgery	39
Others	161

### Special Challenging Surgeries

1. Laparoscopic assisted Trans-anal Pull-through
2. Laparoscopic Ano-rectoplasty for anorectal malformation
3. Laparoscopic A-H pyeloplasty for Pelvi-ureteric Junction obstruction
4. Laparoscopic Ladds' procedure for Malrotation
5. Laparoscopic Cholecystectomy
6. Laparoscopic Appendectomy
7. Feminizing Genitoplasty for 46 XX DSD
8. Heller's Cardiomyotomy with Nissen Fundoplication for Achalasia Cardia
9. Primary Trans-anal Pull-through
10. Primary Posterior Sagittal Ano-rectoplasty
11. Posterior-Sagittal-Ano-recto-Vagino-Urethroplasty for Cloacal anomaly
12. Kasai Porto-enterostomy for biliary atresia
13. Roux-en-Y Hepatico-jejunostomy for Choledochal cyst
14. Lobectomy for Hepatoblastoma

## Academic Activities

Class taken	134
Academic discussion during ward round	284
Thesis done by MS students	2
Ongoing Thesis	4

#### Research work

Research Grant from Bangladesh Shishu Hospital & Institution for "Risk of Prolonged Preoperative Hospitalization and Its Impact on General and Postoperative Outcomes in Paediatric Patients Undergoing Major Elective Surgery: A Prospective Cohort Study"

**PI Dr. Refoyez Mahmud**

**Co-PI- Dr. Md. Samiul Hasan**

**Co-I- Dr. S.M. Nazmul Islam**

#### Ongoing Research Work

1. Global Outcomes (AlliGatOr) Study Protocol: Identifying areas for whole systems strengthening in emergency care pathways. 2025 Sept 30;2. Doi: 10.62463/surgery.204

**PI-Prof. Dr. Md. Ashrarur Rahman**

**CoPI-Dr. Refoyez Mahmud**

### Publication

1. **Mahmud R**, Hasan S, Islam N, Mitul AR. Role of intramuscular testosterone therapy for the position of meatus as well as the changes in the degree of chordee on proximal penile hypospadias in children: a non-randomized clinical trial. SOC. 2025 Jan 20;2(1):5-10. Doi: 10.51271/SOC-0026

### Future Roadmap

1. Increasing the laparoscopic surgery and implementing day-case surgery
2. By implementing day-case surgery (as we have limited bed for admission) will minimize unnecessary hospital stay for case like hernia, hydrocele, undescended testis etc. This will allow more major elective cases admission, ultimately reducing the hospital burden and boosting hospital income





# Burn and Reconstructive Surgery



## Overview of the Department

Name	Qualification	Designation
Prof. Dr. Md. Saif Ullah	MBBS, MS (Paediatric Surgery)	Professor & Head
Dr. Muhammad Rashedul Alam	MBBS, MS (Paediatric Surgery)	Associate Professor
Dr. Prosanto Kumar Biswas	MBBS, MS (Paediatric Surgery)	Assistant Professor
Dr. Mohammad Ali Palash	MBBS, MS (Paediatric Surgery)	Registrar-In-charge

The Department of Paediatric Burn and Reconstructive Surgery at Bangladesh Shishu Hospital & Institute is devoted to caring for some of the most vulnerable patients. Children are facing the challenges of burn injuries and complex reconstructive needs. Our team provides not only advanced surgical treatment but also compassionate, family-centred care that supports healing in every sense. We manage both acute burns and long-term complications, while also addressing congenital and acquired conditions that require reconstructive surgery. With modern, evidence-based techniques and a commitment to continuous service, we strive to restore function, ease suffering, and help children return to the fullness of life. Beyond surgery, our department stands as a place of hope where every child is treated with dignity, and every family is supported through their journey of recovery.

## Departmental Activities

### Clinical activities

We support children with critical injuries throughout their recovery and beyond. Our services span emergency burn care, inpatient rehabilitation, scheduled reconstructive surgeries, and specialized outpatient clinics for long-term follow-up.

Total Admission 1265 (Jan-Dec 2025)

### Surgery and Procedures

Total surgery	908
Routine	227
Emergency	180
Procedure	510

### Reconstructive Surgery

Skin grafting for burn wound	2
Repair of cleft palate	9
Multiple Z plasty for amniotic band	6
Repair of syndactyly	3

<b>Orthopedic Surgery</b>	
Turcos' approach (PMR) for TEV	10
Serial plaster for TEV	501
Tenotomy	17
Plaster for osteomyelitis	3
<b>Thoracic Surgery</b>	
Repair of congenital diaphragmatic hernia	13
Repair of tracheo-esophageal fistula	6
<b>Colorectal Surgery</b>	
Transanal pull-through for Hirschsprung disease	16
ASARP	7
PSARP	9
Colostomy closure	17
<b>Urology</b>	
Cystoscopic fulguration for posterior urethral valve	22
Ureteric reimplantation	5
A-H pyeloplasty for PUJO	11
Urethroplasty	19
<b>Oncosurgery</b>	
Nephroblastoma	7
Neuroblastoma	4
Ovarian cyst	3
Mesenteric cyst	5
Retroperitoneal tumor	5
Teratoma	7
<b>Hepatobiliary Surgery</b>	
Excision of cyst and hepatico-duodenostomy for choledochal cyst	9
<b>Emergency</b>	
Laparotomy for NIO, Intussusception, ARM, HD	151
Appendectomy	35
In 2025, 77 patients with burn injuries were admitted to our dedicated burn ward. All were managed successfully, with no mortality or major morbidity reported.	
<b>Future Roadmap</b>	
<b>1. Adopt World-Class Burn Care Practices</b>	We aim to integrate globally recognized, cutting-edge methods in burn management to reduce complications and ensure patients receive the highest standard of care.
<b>2. Foster Continuous Learning and Collaboration</b>	Through regular seminars and workshops, we will create opportunities for knowledge-sharing, where professionals can exchange insights, discuss advancements, and learn from experiences in Paediatric burn and reconstructive surgery.
<b>3. Build a Robust Patient Database</b>	We plan to establish a comprehensive and well-organized database that captures patient demographics and clinical details, enabling better coordination, research, and long-term improvements in care delivery.
<b>4. Advance Surgical Expertise and Professionalism</b>	By investing in advanced training programs for our surgeons, we will strengthen their skills in reconstructive surgery and elevate the overall professionalism of our burn and reconstructive surgery unit.

# Academic Activities

Dedicated to excellence, our team actively participates in leading research, national and international conferences, and the training of Paediatric surgeons, ensuring we bring the most advanced and compassionate care to every child.



Paper presenting at the International Conference on 7th world congress of the hypospadias international society (HIS 2025)

## Research Activities

Topical Application of Phenytoin and Silver Sulfadiazine Cream in The Management of Second-Degree Burns in Children: A Comparative Study

PI-Dr. Ejaz Ahmed



Bed side teaching



Providing surgical guidance during operation.



Burn patient before & after treatment



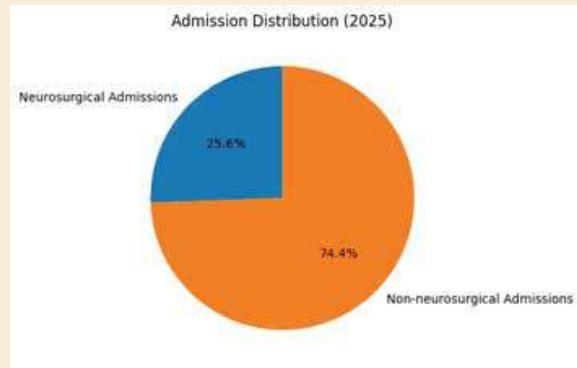
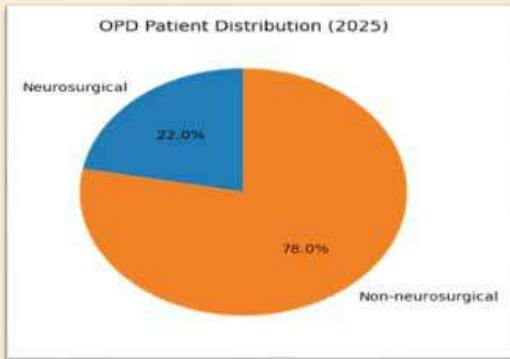
## Overview of the Department

The Department of Paediatric Neurosurgery is a specialized clinical department of Bangladesh Shishu Hospital & Institute. The department provides comprehensive management and treatment of complex congenital and acquired disorders of the nervous system. In addition, it offers modern, evidence-based surgical solutions and uninterrupted services for various congenital anomalies and other complex surgical conditions affecting neonates and children.

Name	Qualification	Designation
<b>Professor Dr. Swapan Kumar Pawl</b>	<b>MBBS, MS (Paediatric Surgery), FACS</b>	<b>Professor &amp; Head</b>
Dr.Md. Delwar Hossain	MBBS, MS (Paediatric Surgery), FACS	Associate Professor
Dr. Rakibul Islam	MBBS, MS (Paediatric Surgery)	
Dr. Aminul Islam	MBBS, MS (Paediatric Surgery)	Registrar-In-charge
Dr. Saiful Islam	MBBS	Resident Medical Officer
Dr. Abira binte Abdullah	MBBS	
Dr. Amit Hasan	MBBS	
<b>Post Graduate Student</b>		
Dr. Kaushik Howlader	MS (Paediatric Surgery) Phase B	
Dr. Imam Haider Rana	MS (Paediatric Surgery) Final part	
Dr. Ziaur Rahman	MS (Paediatric Surgery) Phase A	
Dr. Khairun Nahar	MS (Paediatric Surgery) Phase A	

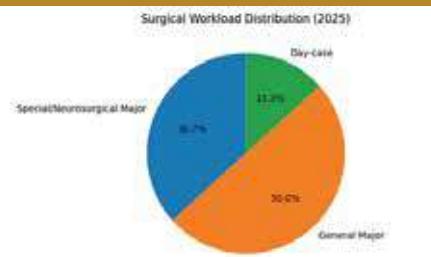
## Departmental Activities

<b>OPD services</b>	
Total OPD Patients	8188
Neurosurgical	1801
Non neurosurgical	6387
<b>Inpatient services</b>	
Total admitted patients	997
Neurosurgical admissions	255
Non-neurosurgical admissions	642
<b>Consultation Services</b>	
Inter-departmental referrals attended	532



### Operative Workload Summary

Total operations	780
Routine operations	624
Emergency operations	156
Day-case surgeries	104
Major + Special Major surgeries (Total)	676
Special Major + Major Neurosurgical surgeries	286
General Major surgeries	390



## Academic Activities

### Classes / Seminars

Every Monday for Phase-B residents.  
Other days for trainees at various levels.

**CME-** Completed two CME sessions.

### Morning Session

Every Wednesday

### Ongoing Research work

- Application of Autologous Platelet-Rich Plasma (PRP) in the Repair of Myelomeningocele: A Randomized Controlled Trial (protocol accepted)

**PI-Dr. Ismail Hossain**

### Scientific Presentation

This year, at the National Conference of the Association of Paediatric Surgeons Bangladesh, our Neuro-

surgery Department presented a research work titled "Surgical Management of Myelomeningocele: A Series of 106 Cases." On behalf of the department, Registrar In-Charge Dr. Aminul Islam, MBBS, MS (Paediatric Surgery), presented the paper. Accepted in a European journal.

### International Presentation

"Circumcision in Hemophilia Patients – Surgical Considerations" presented by, Asso. Prof. Dr. Md. Delwar Hossain in a conference organized by the Hemophilia Association of Bangladesh.

### Adopting New Techniques / Protocols

Attempting repair of ruptured myelomeningocele and simultaneous ventriculoperitoneal (VP) shunt placement.

### OT / ICU Management Improvements

Now using a dedicated operating room for neurosurgical procedures.

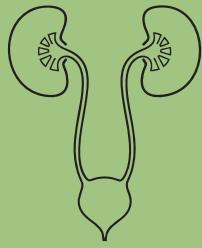


Myelomeningocele before and after repair.



Encephalocele before and after repair





## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Md. Shahjahan</b>	<b>MBBS, MS (Paediatric Surgery), FACS</b>	<b>Professor &amp; Head</b>
Dr. Ipsita Biswas	MBBS, MS (Paediatric Surgery)	Associate Professor
Dr. Md. Ayub Ali	MBBS, MS (Paediatric Surgery)	
Dr. Gajendra Nath Mahato	MBBS, MS (Paediatric Surgery)	Assistant Professor
Dr. Howlader Muhammad Mejbah Uddin	MBBS, MS (Paediatric Surgery)	
Dr. Dewan Fahmida Akter	MBBS, MS (Paediatric Surgery)	Registrar
Dr. Khursida Khondoker	MBBS	Resident Medical Officer
Dr. Md. Jafor Ekbal	MBBS	
Dr. Kamrunnahar Sweety	MBBS	

### Post Graduate Student

Dr. Emon Ahammed	MS Student
Dr. Kamrun Nahar	
Dr. Shourav Chanda	
Dr. Md. Monimul Haque Joy	
Dr. Samira Binte Salam	

## Departmental Activities

### Clinical activities

The Department of Paediatric Urology is a specialized clinical department of Bangladesh Shishu Hospital and Institute. The department provides comprehensive management and treatment of complex congenital & acquired disorders of the urological system in children. In addition, we offer modern surgical solutions & uninterrupted service for various congenital anomalies & other complex surgical conditions affecting neonates & children.

Total Admission	881
Urological	289
Non- urological	592

## Surgery & Procedures

Total surgery	903
Urological	385
Non- urological	518

**Paediatric Urology Follow-up Clinic:** We are successfully continuing Paediatric Urology Follow-up clinic every Wednesday.

**Laparoscopic surgery:** We have done different Laparoscopic surgery such as Herniorraphy, Orchiopexy, Pull through.

**Endo-urological procedure:** Cystoscopic examination, Fulguration, D-J stent insertion & removal.

**Non-urological surgery:** Various types of non-urological operation are done as routine or emergency basis.

## Academic Activities

### Ongoing Research work

1. Outcome of Primary Repair of Extrophy bladder with Posterior Osteotomy.

**PI- Dr. Howlader Mohammod Mejbah Uddin**

2. Incidence of Associate Renal and Cardiac Anomalies in Children with Anorectal Malformation. A Prospective Observational Study in a low-income setting.

**PI- Dr. Ipsita Biswas.**

3. Effectiveness of Posterior to Anterior Urethral Diameter Ratio and Bladder Wall Thickness as Predictors of Residual Valve after Posterior Urethral Valve Ablasion.

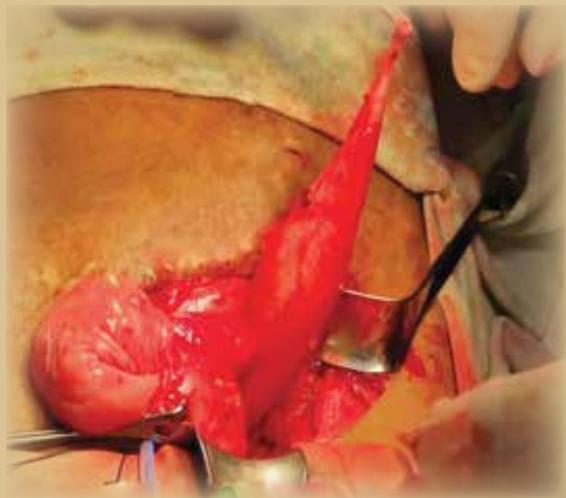
**PI- Dr. Hossain Mohammod Mohsin.**

4. Outcome of Cystoscopic Valve Ablasion with or without Bladder Neck Incision in Children with Posterior Urethral Valve: A Randomized Controlled Trial.

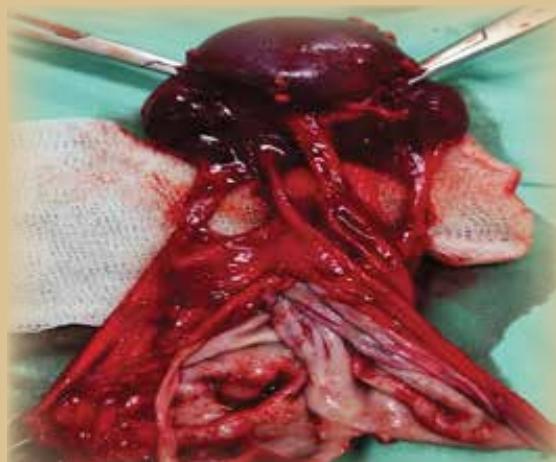
**PI- Dr. Mahira Murshid.**

5. Effect of Circumcision on Urinary Tract Infection Following Posterior Urethral Valve Ablasion. a Quasi-Experimental Study.

**PI- Dr. Md. Sadiqul Islam.**

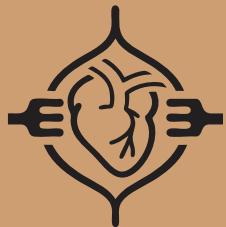


Ureteric reimplantation for VUJO



Nephro-ureterectomy (Lt) due to Ureteric duplication cyst





## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Kazi Md. Noor-ul-Ferdous</b>	<b>MBBS, MS (Paediatric surgery)</b>	<b>Professor &amp; Head of the Department</b>
Dr. S. M. Mahmud	MBBS, MS (Paediatric surgery)	Assistant Professor
Dr. Fahim Hasan	MBBS, MS (Paediatric surgery)	Registrar
Dr. Hafsa Binte Ahsan	MBBS	Resident Medical officer
Dr. Faryaz Tasnim Oishee	MBBS	
Dr. Kamrun Nahar Sweety	MBBS	
Dr. Anisur Rahman	MBBS	

Post Graduate Student		
Dr. Roman Afroz	MBBS	MS Residents
Dr. Abu Bakar Siddique	MBBS	





## Overview of the Department

Name	Qualification	Designation
<b>Dr. Md Arifuzzaman</b>	<b>MBBS, FCPS (ENT), FACS (USA)</b>	<b>Assistant Professor &amp; Head</b>
Dr. Ali Jacob Arsalan	MBBS, MPH	Resident Medical Officer
Dr. Md Asif Sattar	MBBS, MPH	
Dr. A N M Wahiduzzaman	MBBS	
Dr. Md Ifranul Bari	MBBS, DLO	
Dr. Tarek Hossen	MBBS	

### Auxiliary Staff

Name	Designation
Md Julhas Uddin	Office Assistant

## Departmental Activities

Services	
Total outdoor patient	12246
Total admitted patient	184
Total operation performed (Operation Day is once in a week)	176
Total OPD based procedure done	746

Achievements
1. Previously ENT Department had only 2 non-paying bed. 3 new paying bed was added by the initiative of Honorable Chairman, Management Board and Director, BSH&I. Redecorated 5 bedded ENT ward is functioning from 08 July, 2025.
2. Two Resident Medical Officers were recruited.
3. Outdoor based procedure room established.

## Operations

### First Time in Bangladesh

1. Epiglottopexy for Type III laryngomalacia.
2. Excision of huge congenital facial teratoma was operated (extremely rare) in a 27 days old neonate.

### Extreme rare case

1. Floating large globular cystic mass arising from base of the tongue.

### Done only in this institute

1. Limited Septoplasty operation of the 6-15 years age group.

### Notable operations

1. Endoscopic repair of Congenital Choanal Atresia.
2. Micro endo laryngeal excision of Juvenile Respiratory Papillomatosis.
3. Complete Excision of Cystic Hygroma in Head Neck region.
4. Endoscopic nasal surgery for nasal polyps and sino-nasal mass.
5. Paediatric Carcinoma thyroid, Pleomorphic adenoma of Parotid gland, thyroglossal cyst, branchial cyst.

## Future plan

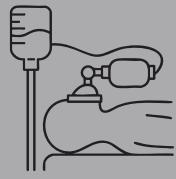
1. Operation done twice weekly. This will ensure more patient turnover and shorter hospital stay.
2. Establishing Hearing test centre.
3. Arrange micro ear surgery and fibre optic laryngoscopy.
4. Recruit more manpower.



Huge Cystic teratoma in left side of face (Before operation)



21st post operative day after Complete excision & reconstruction.  
(After operation)



# Paediatric Anaesthesia and Surgical ICU



## Overview of the Department

Name	Qualification	Designation
<b>Prof. Dr. Akhter Hossain Loban</b>	<b>MBBS, DA</b>	<b>Professor &amp; Head</b>
Dr. Md. Jahirul Islam	MBBS, DA	Associate Professor
Dr. Millat-E-Ibrahim	MBBS, DA	
Dr. Nazmoon Nahar	MBBS, MD	Associate Professor (C.C)
Dr. A.K.M. Jahangir Kabir	MBBS, DA	
Dr. Afifa Ferdous	MBBS, DA	Assistant Professor
Dr. Md. Maminur Rahman	MBBS, DA	Registrar
Dr. Biswajit Chakraborty	MBBS, DA, MCPS	
Dr. Syed Mufti Monowar	MBBS	Registrar-In-charge
Dr. Faizan Bin Azad Justin	MBBS, DA	
Dr. Kamrun Nahar	MBBS	Resident Medical Officer
Dr. Md. Mahabubur Rashid Titu	MBBS	
Dr. Shaikh Shaheen Sharif	MBBS	
Dr. Rezaul Karim	MBBS	
Dr. S.M. Obidul Islam	MBBS	
Dr. Saleh Akram	MBBS	
Dr. Md. Ashfaque Alam	MBBS	
Dr. Md. Aminur Rahman Apu	MBBS	
Dr. Mahamudur Rahman Khan	MBBS	
Dr. Jafrin Sultana	MBBS	
Dr. Md. Esrafil Miah	MBBS, DA	
Dr. Md. Monowar Hossain	MBBS, DA, MCPS	
Dr. Kazi Samiul Munir	MBBS, DA	

## Auxiliary Staff

Name
Most. Margina Parvin
Most. Maseda Khatun
Md. Humayun

# Departmental Activities

## Services

1. Department plays a critical role before, during, and after surgical or diagnostic procedures. To keep the patient safe, pain-free, and stable throughout the procedure.
2. Demonstrate the procedure of Anaesthesia in the operation theatre during operation (post-graduation students from different Institute).
3. Routinely supervise RMO'S activities.
4. Clinical meeting by teachers-Every Thursday.
5. Academic class-Every working day by consultants.

## Outpatient services

1. Pre-operative assessment (PACU) of the upcoming operative Patient	Every day
2. Diagnostic short procedure of Referred patients from paediatric medicine and surgery	Every day

## Indoor Patient Service

### Number of Routine Operation

Paying Patient	2191
Non-Paying Patient	1892

### Number of Emergency Operation

215
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### Number of ENT operation

Paying	17
Non-Paying	32

### Number of thoracic surgery operation

Paying	17
Non-Paying	32

### Number of stem cell therapy Operation

8
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## New added Service

Started surgical ICU and served Indoor Patient total Number	76
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## Total Number of patients underwent Anaesthesia in other departments

1. Anaesthesia for Cath Lab Procedure 348
2. Anaesthesia for therapeutic and diagnostic Bronchoscopy 41
3. Post-operative service 5706

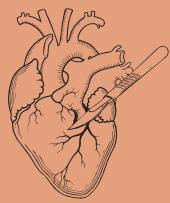
## Achievement of this year

1. Surgical ICU and surgical HDU started adjacent to post-operative ward from 2025.
2. Thoracic surgery started in our hospital and we are providing anaesthesia care in thoracic surgery.

## Future Roadmap

We are ready to provide anaesthesia for transplant surgery according to the plan of hospital authority.





# Cardiac Surgery & Cardiac Anaesthesia



## Overview of the Department

Name	Qualification	Designation
<b>Dr. Khalifa Mahmud Tarik</b>	<b>MBBS, MS (CVTS)</b>	<b>Senior Consultant &amp; Head (Cardiac Surgery)</b>
<b>Dr. Mohammad Makbul Hossain</b>	<b>MBBS, MD (Anesthesia), DA</b>	<b>Professor (C.C) &amp; Head (Cardiac Anesthesia)</b>
Dr. Md. Jilhaj Uddin	MBBS, MS (CVTS)	Assistant Professor (Cardiac surgery)
Dr. Dewan Md. Al Amin	MBBS, DA, MPH	Assistant Professor (Cardiac Anesthesia)
Dr. Partha Shekhar Roy Dr. Shamsul Abedin Mohammad Naser	MBBS, DA MBBS, DA	Registrar (Cardiac Anesthesia)
Dr. Nahiduzzaman Dr. Md. Azizul Ahad Dr. Nabil Hafiz	MBBS MBBS MBBS, MPH	Resident Medical Officer
Dr. Sakil Mahmud Chowdhury	MBBS, DA	Resident Medical Officer (Cardiac Anesthesia)
Dr. Md. Yousuf Hira	MBBS, MPH	Resident Medical Officer (Cardiac Recovery)
Dr. Md. Abdur Rahman Rizvi Dr. Kazi Abdus Sattar Mahabub (On Deputation)	MBBS MBBS	
Dr. Abu Bakar Siddique (On Deputation) Dr. Keshob Paul	MBBS	
Dr. Sabiha Sultana Apon	MBBS	Resident Medical Officer (Outpatient Department)

# Departmental Activities

## Activities (Cardiac Surgery)

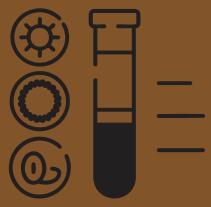
1. Our activities ranging from complex surgical procedures to meticulous post-operative rehabilitation.
2. Performing Corrective Surgeries, Staged Reconstructions and other Hybrid procedures.
3. Providing complete Pre-Operative Assessment, Cardiac Surgery (Off Pump, On Pump) and Critical Post Operative management until discharge with regular Follow Up.

## Activities (Cardiac Anesthesia)

1. Pre-Operative assessment, Plan formulation and Anatomical overview followed by Induction, Invasive line (CV line, Arterial Line) placement and complete Airway management till end of procedure.
2. Intra Operative Haemodynamic control, Bypass coordination, advanced monitoring and coagulation management.
3. Post Op transition, Recovery phase (Post Op ICU) monitoring upto discharge.



Celebrating milestone of 800 cardiac surgery



## Overview of the Department

Name	Designation
<b>Prof. Dr. Mashud Parvez</b>	<b>Professor &amp; Head</b>
Prof. Dr. Salma Sadiya	Professor (C.C)
Dr. Alamgir Ahmed	Associate Professor
Dr. Biva Rani Mandol	Associate Professor (C.C)
Dr. Shakila Jannat	Assistant Professor
Dr. Rinky Rani Saha	
Dr. Md. Yasir Rahman	Resident Medical Officer
Dr. Delara Sultana	
Dr. Shahnaz Parven	
Dr. Fahmida Bari	
Dr. Mahbuba Ahmed Hira	
Dr. Sumaiya Binte Islam Tura	
Md. Abdul Aziz	Senior Scientific Officer (C.C)
Md. Masud Rana	Scientific Officer
Mrs. Sharmin Akter	Senior Medical Technologist
Md. Mohsin Kabir	
Md. Amir Hossain	
Md. Parvez Miah	
Lotifur Rahman	
Rowshan Jahan Luna	
Anowara Begum	
Md. Jumon Mia	
Md. Khayrul Islam	
Rounok Jahan	
Md. Abu Hanif	
Md. Abdul Mozid	Medical Technologist (C.C)
Md. Rezaul Karim	
Md. Aynal Haque	Medical Technologist (Daily Basis)
Kazi Sarna	
Zillur Rahman	Lab Assistant
Rahim Ullah	
Jahara Akther	
Abu Bakkar Siddick	
Abu Ohab	
Md. Nazrul Islam	
Kawser Alam	
Syed Mahmud Ullah	
Hasan Ahmed	



## Overview of the Department

Name	Designation
<b>Dr. Nigha Zannat Dola</b>	<b>Assistant Professor</b>
Md. Zillur Rahman	Chief Medical Technologist
Md. Humayun Kabir	Sr. Medical Technologist
Kishor Chandra Pal	
Anowar Hossain Kazal	Lab. Assistant
Md. Saiful Islam	Lab. Attendant

Established in 1983, the Department of Microbiology at BSH&I was founded with a clear mandate to support Paediatric healthcare through reliable diagnostic services. From its early beginnings with limited resources, gradually the department has evolved into a vital component of the hospital, continually expanding its diagnostic capacity and fostering a strong culture of research and innovation.

### Laboratory portrait

The microbiology department consists of multiple operational rooms, including a sample reception area, a media preparation, culture lab, staining room and a meeting room. The department primarily focuses on routine bacteriological and serological analyses, with dedicated spaces allocated for molecular biology and immunology activities to support specialized research and diagnostic work.

Microbiological tests	Serology
Blood	Widal test
Urine	Febrile antigen
CSF	ASO titre
Stool	RA test
Pus	VDRL
Wound swab	
Umbilical swab	ICT for HbsAg, Kala-azar, malaria, dengue (NS1/IgM/IgG), tuberculosis
Catheter tip	
Catheter swab	
Ascitic fluid	
Pleural fluid	
Ear swab	Others
Sputum	
Throat swab	
Others	
Microscopy	Gene expert
CSF cytology	
Skin scraping & nail clipping for fungus	
Gram stain	
AFB stain	

## Arrival of specimens

The laboratory receives clinical samples from both the inpatient department (IPD) and the outpatient department (OPD) via the reception area. Certain specimens, such as cerebrospinal fluid (CSF) and blood cultures, are subjected to immediate processing upon arrival. Other specimens, if not processed immediately, are stored in a cool box or refrigerator to minimize time-related degradation. Upon entry into the microbiology department, all specimens are handled with care following standard operating procedures (SOPs), with priority given to critical specimens such as CSF. Diagnostic procedures including cytology, Gram staining, and antigen detection tests are performed and reported in real time to ensure timely clinical decision-making.

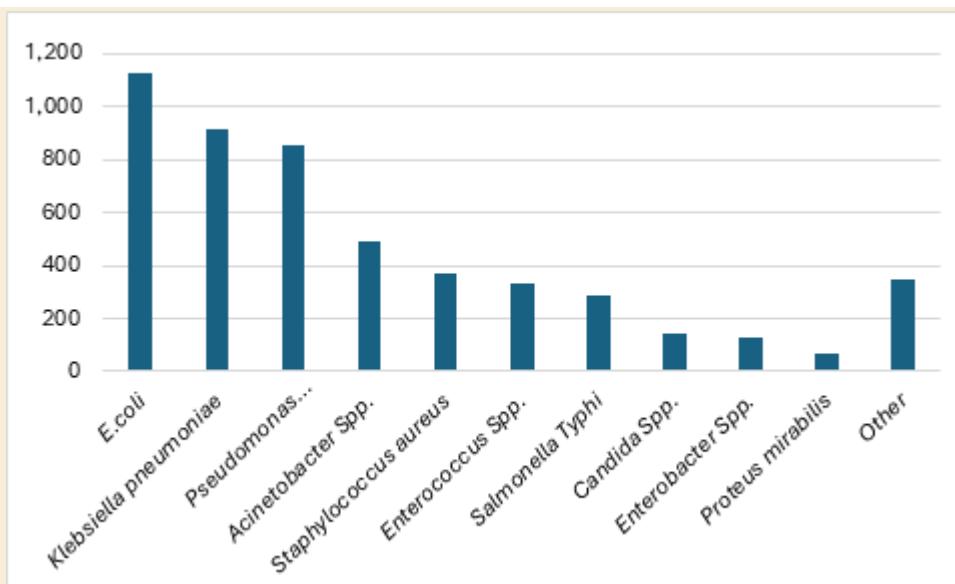
## Laboratory results

### Samples collected for culture purposes

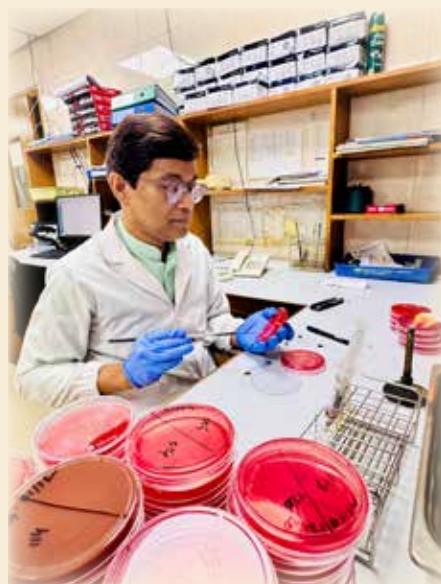
From January to November 2025, the majority of collected samples comprised blood (44%), with urine following closely at 35%. Cerebrospinal fluid (CSF) constituted 7%, while stool samples accounted for 4%. The remaining 10% comprised various other samples.

### Results from culture analysis

Figure 1 provides an overview of the collected samples designated for culture and sensitivity evaluations. Of all the samples plated for culture, only 13.51% manifested true growth. Among the cases with positive culture results, the predominant pathogens are *Escherichia coli*, followed by *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Acinetobacter spp.*, *Staphylococcus aureus*, *Enterococcus sp.*, and various other microorganisms.

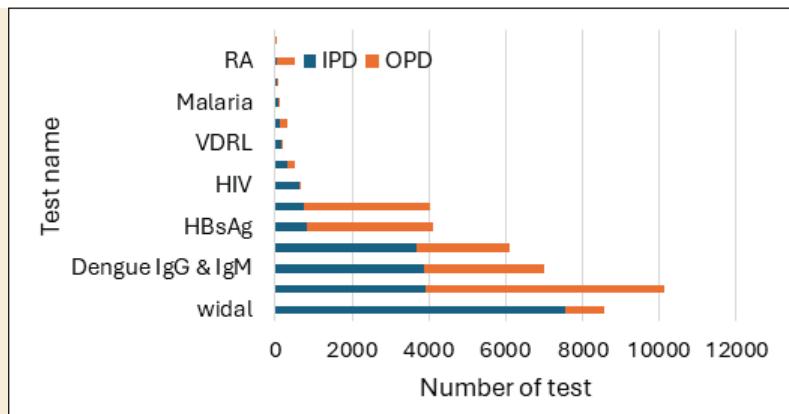


Organisms among culture positive cases during the period of January to November 2025



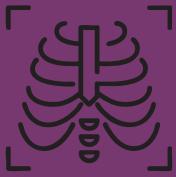
### Serological Test

A comprehensive serological test list has already been stated, and notably, during the specified time frame, Bangladesh experienced a heightened prevalence of dengue fever. Consequently, there was a notable increase in the number of dengue-related tests, with the highest demand observed for dengue NS1, Widal, dengue IgG, and IgM tests, closely followed by the Febrile Antigen test.



Number of serological tests from IPD and OPD during the period of January to December 2025





## Overview of the Department

Name	Designation
<b>Dr. Mahmuda Monowara</b>	<b>Professor &amp; Head (C.C)</b>
Dr. Mohammad Mahbub Hossain	Associate Professor
Dr. Shammi Ara Shahida	Assistant Professor
Dr. Mosammad Meherun Nesa	Resident Medical Officer
<b>Auxiliary Staff</b>	
Name	
Abdur Rahman Mia	In charge
Tapan Chandra Karati	
Md. Loakman Hossain	
Md. Main Uddin	
Md. Abdul Alim	
Md. Selim Reza	
Md. Siddik Ahmed	
Md. Habibullah Belaly	Computer Operator
Md. Arifur Rahman Arif	
Polinus Dio	Lower Division Clerk
Asha Islam	
Md. Saleh Ahmed	
Md. Sohanur Rahman	Dark Room Attendant
Julekha Begum	X-ray Attendant
Bappi Chandra Sarkar	
Md. Sohel Rana	
Md. Dipu Mia	
Md. Jahanghir Alam	
Pushpa Rani	Ward Boy
	Aya

## Departmental Activities

### Radiography

Continuing 24/7 based general radiography for in and out patients with report.  
Emergency and scheduled contrast procedure with report.

### Imaging

USG of OPD and indoor patients.  
High resolution USG of umbilicus, thyroid gland, breast, inguino-scrotal region, swelling, musculo skeletal system etc.  
Colour doppler USG.

### Departmental performance in 2025

Approximate 71327 x-ray done  
Approximate 1314 contrast x-ray done  
Approximate 22342 USG done  
USG guide give for FNAC in scheduled cases.  
06 months training given to two external doctors of USG

## Free services for underprivileged children

(Free beds, investigations, medicines and foods)

Bangladesh Shishu Hospital and Institute is dedicated to delivering equitable and compassionate Paediatric healthcare, with a strong focus on supporting children from underprivileged and vulnerable populations. To ensure that financial hardship does not become a barrier to essential medical treatment, the hospital operates a Free Bed Service with 257 beds, providing inpatient care to eligible patients.

Beyond free hospitalization, the hospital extends comprehensive medical support by offering waivers on bed charges and diagnostic investigations, nutritional support for both mother and child, and access to essential and life-saving medications (Antibiotics, Albumin, Intravenous fluids, Inotropes, Steroids etc.). Critical care services such as oxygen therapy, nebulization, phototherapy, head box support, incubators, ventilation facilities, and surgical procedures are also provided free of cost or at a minimal fee.

Each financial year, Bangladesh Shishu Hospital and Institute provide substantial financial assistance exceeding BDT 16 crore through these services, covering bed charges, investigation waivers, nutritional support, and life-saving medications. This amount excludes doctors' and nurses' professional charges, further highlighting the institutions dedication and contribution toward child care. This significant contribution reflects the hospital's unwavering commitment to reducing healthcare inequality and ensuring that every child receives timely, quality medical care regardless of their socio-economic status.

### Lists of Investigations free of cost (total 431 tests)

#### A. Biochemistry

Liver Function Test  
1 hr ABF (Glucose)  
2 hr ABF (Glucose)  
24hrs Urine for Protein  
24hrs Urine Phosphate/Uric Acid/Calciuim  
S. Globulin  
S. Inorganic Phosphate  
S. Osmolality  
S. Protein  
S. Total Protein  
S. Total Protein with Albumin  
Globulin Ratio  
S. Uric Acid  
SGOT/ AST  
SGPT/ ALT  
Stool Electrolytes  
Bile Salt in Urine  
Blood for GFR  
Blood Urea/BUN  
Corresponding Urine  
CPK  
CRP (C-Reactive Protein)  
Random Blood Sugar  
Fasting (Glucose)  
Glucose Tolerance Test (OGTT)  
Urinary Osmolarity  
Urine Albumin  
Urine Calcium  
Urine Creatinine  
Urine Electrolytes  
Urine for Calcium Creatine Ratio  
Urine for Ketones  
URINE FOR PH  
Urine for Specific Gravity  
Urine GFR  
Urine Phosphate  
Urine Protein Creatinine Ratio  
Urine Urea / Bun (Paying & OPD).

#### S. Albumin

S. Alkaline Phosphatase  
S. Bilirubin (Di+In)  
S. Bilirubin Total  
S. Calcium (Ca)  
S. Cholesterol  
S. Creatinine  
S. Electrolytes  
Uribilinogen in Urine

#### B. Blood Bank

Blood Grouping  
Coombs Test (Direct+Indirect)  
Coombs Test (Indirect)

#### C. Clinical Pathology

MT (Mantoux Test) (Paying)  
MP  
Occult Blood Test  
Osmotic Fragility  
PCV  
Stool R/S  
Stool R/M/E  
Total Count (RBC & WBC)  
APTT  
BENEDICT TEST  
Bleeding time (BT)  
Mixing Study  
Blood for Malaria Parasite (MP)  
Blood for Microfilaria  
Blood RBC Morphology Paying  
BT (Bleeding time)  
Circulatory Eosinophil  
CT (Clotting Time)  
Prothrombin Time  
PTT  
Reticulocytes  
URINARY EOSINOPHIL  
PAYING/OPD  
Urine for Hemoglobin

#### Urine R/S

Urine RBC Morphology  
Urine Sugar Test

#### D. Endoscopy

Paracentesis

#### E. HAEMATOLOGY

Blood (BT+CT)  
CBC  
CBC with Peripheral Blood Film  
Differential Count (DC)  
Peripheral Blood Flim  
Platelets Count  
ESR  
Haemoglobin (Hb%)

#### F. Histopathology

Slide Review

#### G. Microbiology

Abdominal Fluid For Gram Staining  
Abdominal Pus For Afb Staining  
Abdominal Pus For C/S  
Abdominal Pus For Gram Staining  
Afb Staining  
Eye Swab For Afb Staining  
Eye Swab For C/S  
Fluid For For Gram Staining  
Fluid For Afb Staining  
Fluid For C/S  
Gastric Aspirate For Afb Staining  
Gastric Aspirate For C/S  
Gastric Aspirate For Gram Staining  
Gastric Juice For Afb Staining  
Gastric Juice For C/S  
Gastric Juice For Gram Staining  
Gastric Levage For Afb Staining  
Gastric Levage For C/S

Gastric Levage For Gram Staining  
Gauge For Afb Staining  
Gauge For C/S  
Gauge For Gram Staining  
Hvs (High Vaginal Swab) For Afb Staining  
Hvs (High Vaginal Swab) For C/S  
Hvs (High Vaginal Swab) For Gram Staining  
Ict For Hbsag (Paying & Opd)  
Ict For Tb  
Infected Tissue For Afb Staining  
Infected Tissue For C/S  
Infected Tissue For Gram Staining  
Ipd Catheter Fluid For Afb Staining  
Ipd Catheter Fluid For C/S  
Ipd Catheter Fluid Gram Staining  
Ipd Catheter For Afb Staining  
Ipd Catheter For C/S  
Ipd Catheter For Gram Staining  
Ipd Catheter Tip For Afb Staining  
Ipd Catheter Tip For C/S  
Ipd Fluid For Afb Staining  
Ipd Fluid For C/S  
Ipd Tube For Afb Staining  
Ipd Tube For C/S  
Ipd Tube For Gram Staining  
Klb Staining  
Knee Joint Fluid For C/S  
Laryngeal Secretion For Afb Staining  
Laryngeal Secretion For Gram Staining  
Nail For C/S  
Nail Scraping  
Nail Scraping For Fungus  
Oral Swab For Afb Staining  
Oral Swab For C/S  
Other Afb Staining  
Other C/S  
Other Gram Staining  
Pd Catheter For Afb Staining  
Nasal For Afb Staining  
Nasal For C/S  
Nasal For Gram Staining  
Peritonial Fluid For C/S  
Pharyngeal Swab For C/S  
Paying/Opd  
Skin Swab For Afb Staining  
Skin Swab For Gram Staining  
Sputum For Afb Staining  
Sputum For C/S (Paying)  
Sputum For Gram Staining  
Abdominal Fluid For Afb Staining  
Abdominal Fluid For C/S  
Csf For Gram Stain  
Csf For Vdrl  
Cystic Fluid For Afb Staining  
Cystic Fluid For C/S  
Cystic Fluid For Gram Staining  
Drain Fluid For Afb Staining  
Drain Fluid For C/S  
Drain Fluid For Gram Staining

Drain Tip For Afb Staining  
Drain Tip For C/S  
Drain Tip For Gram Staining  
Drain Tube For Afb Staining  
Drain Tube For Gram Staining  
Drain Tube Tip For C/S  
Ear Swab (Rt) For Afb Staining  
Ear Discharge For Afb Staining  
Ear Discharge For C/S  
Ear Discharge For Gram Staining  
Ear Swab For C/S  
Ear Swab (Lt) For Gram Staining  
Ear Swab (Lt) For Afb Staining  
Ear Swab (Lt) For C/S  
Ear Swab (Rt) For Afb Staining  
Ear Swab (Rt) For C/S  
Ear Swab (Rt) For Gram Staining  
Ear Swab Fo Gram Staining  
Ear Swab For Afb Staining  
Endo Tracheal (Et) Tip For Afb Staining  
Endo Tracheal (Et) Tip For C/S  
Endo Tracheal (Et) Tip For Gram Staining  
Endo Tracheal (Et) Tube For Gram Staining  
Endo Tracheal (Et) Tube For Afb Staining  
Endo Tracheal (Et) Tube For C/S  
Pd Catheter For C/S  
Pd Catheter Tip For Afb Staining  
Pd Catheter Tip For C/S  
Pd Catheter Tip For Gram Staining  
Pd Fluid For Afb Staining  
Pd Fluid For C/S  
Pd Fluid For Gram Staining  
Pelvimeteric Swab For C/S  
Pericardial Fluid For Afb Staining  
Pericardial Fluid For C/S  
Pericardial Fluid For Gram Staining  
Peritonial Dialysis Fluid For Afb Staining  
Peritonial Dialysis Fluid For C/S  
Peritonial Fluid For Gram Staining  
Peritonial Fluid For C/S  
Pleural Aspiration For Afb Staining  
Pleural Aspiration For C/S  
Pleural Aspiration For Gram Staining  
Pleural Fluid For C/S  
Plural Fluid For Afb Staining  
Plural Fluid For Gram Staining  
Pus For Afb Staining  
Pus For C/S  
Pus For Gram Staining  
Ra Test  
Rectal Swab For Afb Staining  
Rectal Swab For C/S  
Rectal Swab For Gram Staining  
Respiratory For Afb Staining  
Et For C/S  
Eye Swab For Gram Staining  
Skin Scraping

Skin Scraping For Fungus  
Skin Swab For C/S  
Stool For Afb Staining  
Stool For C/S  
Stool For Gram Staining  
Swab From Ventrilator For Gram Staining  
Synovial Joint Fluid For Afb Staining  
Synovial Joint Fluid For C/S  
Synovial Joint Fluid For Gram Staining  
Throat Swab For Afb Staining  
Throat Swab For C/S  
Throat Swab For Gram Staining  
Throat Swab For Klb Staining  
Tissue For Afb Staining  
Tissue For C/S  
Tissue For Gram Staining  
Ascitic Fluid Gram Staining  
Ascitic Fluid Afb Staining  
Ascitic Fluid C/S  
Ascitic Fluid For Afb Staining  
Aso Titre  
Aspirated Fluid For Afb Staining  
Aspirated Fluid For C/S  
Aspirated Fluid For Gram Staining  
Aspirated Pus For Afb Staining  
Aspirated Pus For C/S  
Aspirated Pus For Gram Staining  
Aural Swab For Afb Staining  
Aural Swab For Gram Staining  
Aural Swab For C/S  
Blister Fluid For Gram Staining  
Blister Fluid For Afb Staining  
Blister Fluid For C/S  
Bone Marrow For Afb Staining  
Bone Marrow For C/S  
Bone Marrow For Gram Staining  
Broncho Alveolar Lavage For Afb  
Broncho Alveolar Lavage For C/S  
Paying/Opd  
Broncho Alveolar Lavage For Gram Staining Paying  
Catheter Tip (Lt) For Afb Staining  
Catheter Tip (Lt) For C/S  
Catheter Tip (Lt) For Gram Staining  
Catheter Tip (Rt) For Gram Staining  
Catheter Tip (Rt) For Afb Staining  
Catheter Tip (Rt) For C/S  
Catheter Tip Fluid For Afb Staining  
Catheter Tip Fluid For C/S  
Catheter Tip Fluid For Gram Staining  
Catheter Tip C/S  
Catheter Tip For Afb Staining  
Catheter Tip For Gram Staining  
Catheter Urine For Gram Staining  
Catheter Urine For Afb Staining  
Catheter Urine For C/S  
Catheter Fluid For Tip

Cellulitis Fluid For C/S  
Conjunctival Swab For Afb Staining  
Conjunctival Swab For C/S  
Conjunctival Swab For Gram  
Staining  
Csf For Afb Stain  
Csf For C/S  
Ict For Hiv  
Trachial Aspirate For C/S  
Trachial Aspirate For Gram  
Staining  
Umbilical Catheter Tip For Gram  
Staining  
Umbilical Catheter Tip For Afb  
Staining  
Umbilical Catheter Tip For C/S  
Umbilical Discharge For Afb  
Staining  
Umbilical Discharge For C/S  
Umbilical Discharge For Gram  
Staining  
Umbilical Swab For Afb Staining  
Umbilical Swab For C/S  
Umbilical Swab For Gram Staining  
Ureteric Tube For Afb Staining  
Ureteric Tube For C/S  
Ureteric Tube For Gram Staining  
Urethral Discharge For Afb  
Staining  
Urethral Discharge For C/S  
Urethral Discharge For Gram  
Staining  
Urine For Afb Staining  
Urine For Gram Staining  
Vagetation Tricuspid Vulve For  
Afb Staining  
Tracheal Swab For Afb Staining  
Tracheal Swab For C/S  
Tracheal Swab For Gram Staining  
Trachial Aspirate For Afb Staining  
Swab For Afb Staining  
Swab For C/S  
Swab For Gram Staining  
Swab From Ventrilator For Afb  
Staining  
Swab From Ventrilator For C/S  
Vdrl Test (Qualitative)  
Widal Test  
Respiratory For C/S  
Respiratory For Gram Staining  
Saliva Swab For Afb Staining  
Saliva Swab For C/S  
Saliva Swab For Gram Staining  
Secretion For Afb Staining  
Secretion For C/S  
Secretion For Gram Staining  
Gram Staining  
Ict For Hcv  
Urine For C/S  
Vitreous Fluid For Afb Staining  
Vagetation Tricuspid Vulve For C/S  
Vagetation Tricuspid Vulve For  
Gram Staining

Vaginal Discharge For Afb  
Staining  
Vaginal Discharge For C/S  
Vaginal Discharge For Gram  
Staining  
Vaginal Swab For Afb Staining  
Vaginal Swab For C/S  
Vaginal Swab For Gram Staining  
Vitreous Fluid For C/S  
Vitreous Fluid For Gram Staining  
Vitrustab For C/S  
Wound Discharge For Afb Staining  
Wound Discharge For C/S  
Wound Discharge For Gram  
Staining  
Wound Swab For C/S  
Wound Swab Fo Gram Staining  
Wound Swab For Afb Staining  
Csf Bacterial Antigen  
Ict For Hbsag (Latex)  
Le Cells  
Lp (Lumber Puncture)

**H. OT**

Minor Operations Under G/A  
(Ward)  
Minor Operations Under G/A  
(Cabin/ Icu)  
Intermediate Operaions G/A  
(Ward)  
Intermediate Operaions G/A  
(Cabin/ Icu)  
Major Operations Under G/A  
(Ward)  
Major Operations Under G/A  
(Cabin/ Icu)  
Special Major Operations (Ward)  
Special Major Operations (Cabin/  
Icu)  
Neuro Mionr Operations (Ward)  
Neuro Mionr Operations (Cabin/  
Icu)  
Neuro Intermediate Operations  
(Ward)  
Neuro Intermediate Operations  
(Cabin/ Icu)  
Neuro Major Operations (Ward)  
Neuro Major Operations (Cabin/ Icu)  
Ipd Case Under L/A (Ward)  
Ipd Case Under L/A (Cabin/ Icu)  
Opd Case Under G/A  
Ent Mionr Operation  
Ent Intermediate Operation  
Ent Major Operation  
Ent Special Major Operation  
Ent Minor Procedure (Opd)  
Ent Intermediate Procedure (Opd)  
Ent Major Procedure (Opd)  
Minor Operations Under L/A  
Minor Operations Under L/A  
Fb Nose/ Throat  
Ent  
Charge Plaster -01

Charge Plaster-02  
Charge Plaster-03  
Ipd/Opd- Dressing / Stich Off/  
Other (Ward)  
Ipd/Opd- Dressing / Stich Off/  
Other (Cabin/Icu)  
All Opd Case Under L/A-01  
All Opd Case Under L/A-02  
All Opd Case Under L/A-03  
All Opd Case Under L/A-04  
All Opd Case Under L/A-05  
All Opd Case Under L/A-06  
All Opd Case Under L/A-07  
All Opd Case Under L/A-08  
All Opd Case Under L/A-09

**I. Physiotherapy  
(Manual/Mechanical)**

Interfarantial Therapy  
Intermitent Traction (CT)  
IRR/Uvl  
Micro-Wave Therapy  
Moist Heat  
Muscle Stimulation  
Nerve Conduction Test  
Paraffin Bath  
Quadeceps Exercise  
TNS (Pointron)  
Ultrasound Therapy  
Out Door

**J. USG**

Whole Abdomen  
Lt. Sub-Mandibular Area  
Abdomen  
Adrenal Gland  
Back  
Both Scrotum  
Brain  
Brest  
Chest  
Hbs.  
Head  
Joint  
Kub  
Liver  
Lower Abdomen  
Lumbo Sacral Mass  
Neck  
Parotid Gland Paying/Opd  
Pelvic Organ  
Pregnancy Profile  
Pyloric & Hps  
Pylorus  
Rt Ingino Scortal Region  
Hip Joint  
Swelling  
Testis  
The Mass  
Thigh  
Thyroid.  
Upper Abdomen  
Upper Lip  
Umblicus

## Lists of Investigations at subsidized rate (total 200 tests)

### A. Biochemistry

Urine for Metabolic Penel  
 Vitamin-D  
 S. Ammonia  
 S. Iron  
 S. Iron Profile (Iron,Ferri & TIBC)  
 S. LACTATE  
 S. Lactic Acid  
 S. Total Iron Binding Capacity (TIBC)  
 T3  
 T4  
 D-Dimer  
 CSF for Lactate  
 Procalcitonin(PCT)  
 GGT (Gama Glutamyl Transferase)  
 Hb A1c  
 Hb. Electrophoresis / HPLC  
 HLA-B27  
 LDH  
 Lipase  
 Micro Albumin  
 Neurometabolic Panel  
 ABG  
 Alpha Amylase  
 Lipid Profile  
 LDL  
 TG  
 NT-Pro BNP  
 Toxo Plasma IgM  
 Toxo Plasma IgG  
 Rubela IgM  
 Rubela IgG  
 CMV IgM  
 CMV IgG  
 HSV-1 IgM  
 HSV-1 IgG  
 HSV-2 IgM  
 HSV-2 IgG  
 TOURCH-IgG+IgM (10 test)  
 IL-6 (Interleukin-6)  
 HAV IgM  
 HAV Total  
 Vit-B12  
 Folic Acid/Folate

### B. Blood Bank

Blood bag with set,  
 Crossmatching  
 Cross Matching  
 Cross Matching with Screening  
 Packed Cell  
 Packed Cell By Product (TC)  
 Plasma  
 Platelets RP (Rich Plasma)  
 Plasma FFP (Fresh Frozen Plasma)  
 Platelets (Random Doner)  
 Platelets (Single Doner) by  
 Apheresis  
 Cryoprecipitate

### C. Clinical Pathology

Analisis For Blister Fluid Cytology  
 Bone Marrow  
 Ascitic Fluid For Cytology  
 Analysis For Gastric Leverge  
 Analysis For Ascitic Fluid  
 Analysis For Broncho Alveolar  
 Lavage  
 Analysis For Cellulitis Fluid  
 Analysis For Gastric Lavage Fluid  
 Cytology  
 Analysis For Knee Joint Fulid  
 Indoor  
 Analysis For Others Fluid Cytology  
 Analysis For Pericardial Fluid  
 Analysis For Pharyngeal Swab  
 Analysis For Sputum  
 Analysis For Synobial Fluid  
 Cytology  
 Analysis For Synogram Fluid  
 Analysis For Peritonial Fluid  
 Analysis Ipd Fluid  
 Analysis Of Aseptic Fluid  
 Analysis Of Gastric Aspirate  
 Analysis Of Pleural Fluid  
 Analysis Of Plural Fluid Cytology  
 Analysis Of Synogram  
 Analysis Of Tracheal Aspirate  
 Urine R/E

### D. Others

Colonoscopy  
 ECG  
 Echo-Cardiogram  
 EEG  
 Endoscopy (Upper GIT)  
**E. Histopathology**  
 SLIDE RETURN (Each)  
 SLIDE REVIEW / SLIDE BLOCK  
 RETURN  
 FANC/FNAB, Guided  
 FNAB under Ultrasongouclance  
 FNAC ( Without Guided)  
 FNAC / FNAB, guided  
 FNAC / FNAB, Non guided  
 Histopathology (Large Size)  
 Histopathology (Medium Size)  
 Histopathology (SMALL SIZE)  
 Liver Biopsy  
 CSF For Malignant Cell

### F. Immunology

S. Ferritin  
 PTH (Parathyroid Hormone)  
 HBsAg (ELISA Method)

### F. Microbiology

Anlysis Fluid From Intrabd Cyst  
 Ascitic Fluid For Latex

Agglutination  
 Blood For C/S  
 Csf For Ammonia  
 Csf For Analysis  
 (Cytology+Staining)  
 Csf For Analysis  
 Dna Analysis (Xmn Poly)  
 Febrile Antigen  
 Ict For Chikungunya (Igm & IgG)  
 Ict For Kalazar  
 Ict For Malaria  
 Analysis For Cerebro Spinal Fluid  
 Cytology

### G. Renal

Nephrostogram of Left Kidney  
 Plasmapheresis (Exchange)  
 Procedure

### H. Radiology

X-Ray of Upper Limbs  
 X-Ray of Leg B/V Paying  
 X-Ray of Abdomen (One Flim)  
 X-Ray of Ankle Joint two view  
 X-Ray of Antigram Naphrogram  
 X-Ray of Contrast  
 Ba-Swallow,Follow Through  
 X-Ray of Babygram/Infogram  
 X-Ray of Barium Clearance of the  
 Colon  
 X-Ray of BARIUM ENEMA & AP  
 VIEW & 24-HOUR DELAYE FILM  
 X-Ray of Barium Meal Follow  
 Through  
 X-Ray of Barium Meal in T-position  
 X-Ray of Barium Meal of Stomach  
 & Doudenum  
 X-Ray of Barium swallow and Meal  
 Follow Through  
 X-Ray of BOTH LEG A/P  
 X-Ray of Both Hip Joint (B/V)  
 X-Ray of Both Hip Joint (Rt+Lt)  
 X-Ray of Cervical spine B/V  
 X-Ray of CHEST DIGITAL PA VIEW  
 X-Ray of Chest PA or AP One Film  
 X-Ray of Chest PA Or Lat (two film)  
 X-Ray of Nasopharynx  
 X-Ray of Neck B/V Soft Tissue  
 Sweeling  
 X-Ray of Neck A/P Lateral  
 X-Ray of Pelvis Including Hip B/V  
 X-Ray of Pelvis B/V Paying  
 X-Ray of Pelvis One film  
 X-Ray of Per Operative  
 Cholangiography  
 X-Ray of PNS One film  
 X-Ray of Portable Per Plate  
 X-Ray of Rethrograde urethogram  
 X-Ray of RT. HAND B/V  
 X-Ray of RT. THIGH B/V

## Lists of Investigations at subsidized rate (total 200 tests)

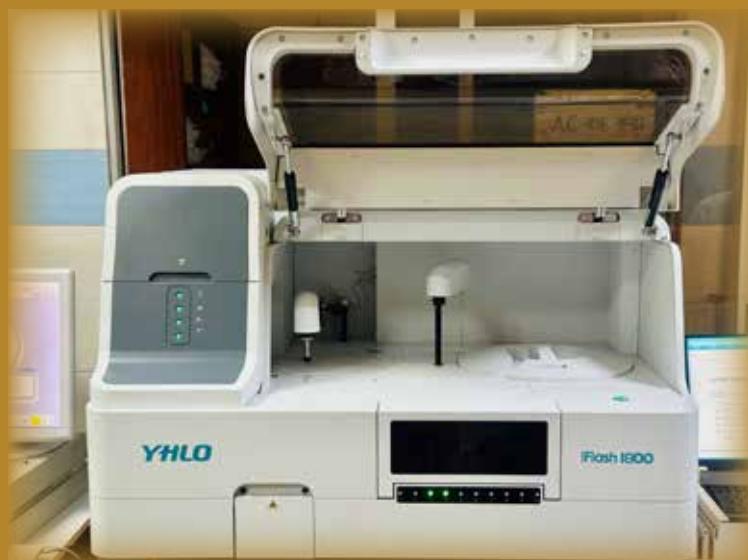
X-Ray of Sella Turcica (One film)  
 X-Ray of Shouldr Joint (One Film)  
 B/V  
 X-Ray of Shouldr Joint (Two Film  
 Two view)  
 X-Ray of Skull (One film )  
 X-Ray of Skull (Two view)  
 X-Ray of SKULL B/V  
 X-Ray of Small Bowel Enema  
 X-Ray of Soft Tissue Neck A/P  
 Lateral  
 X-Ray of SPINE B/V  
 X-Ray of SWELLING OVER THE  
 LEFT SIDE OF THE NECK  
 X-Ray of T M Joint (Open & Close  
 Mouth)  
 X-Ray of THIGH (B/V)  
 X-Ray of WRIST JOINT  
 X-Ray of Wrist Joint (One Flim) B/V  
 X-Ray of Wrist Joint (Two Flim Two  
 view)  
 X-Ray of Clervical Spine B/V  
 X-Ray of CONTRAST ENEMA AP  
 VIEW & 24-HOUR DELAYE FILM

X-Ray of Contrast Meal Follow  
 Through  
 X-Ray of Crosstable Latview  
 X-Ray of Distal Coogram  
 X-Ray of Distal Loopogram  
 X-Ray of Dorsal Spine B/V  
 X-Ray of Dorsolumber Spine B/V  
 X-Ray of Double Contrast  
 Examination of Large Gut  
 X-Ray of Elbow Joint (Two view)  
 X-Ray of Foot (One view)  
 X-Ray of foot Two View  
 X-Ray of Hand B/V  
 X-Ray of HIP JOINT (B/V)  
 X-Ray of INFANTOGRAM  
 X-Ray of Invertogram/ Cross table  
 lat view  
 X-Ray of IV Urography IVU  
 X-Ray of IVU with Late Flims  
 X-Ray of IVU with MCU  
 X-Ray of Knee Joint (One Film) B/V  
 X-Ray of Knee Joint (Two Flim Two  
 view)  
 X-Ray of KUB

X-Ray of Lower limbs AP Flim (One  
 Flim)  
 X-Ray of Lower Limbs B/V  
 X-Ray of LT. ELBOW B/V  
 X-Ray of LT. HAND B/V  
 X-Ray of LT. MIDDLE FINGER  
 X-Ray of LT. THIGH B/V  
 X-Ray of LumboSacral Spine B/V  
 X-Ray of Mandible Oblique vies  
 X-Ray of Mastoid (Lateral view)  
 X-Ray of Mastoid (Two view)  
 X-Ray of Mastoid Towns Stenvers  
 view  
 X-Ray of MCU  
 X-Ray of Nasal Bone lateral view  
 X-Ray of LT Foreaem B/V  
 X-Ray of Cervical Lymphnode  
 X-Ray of CXR (X- Ray)  
 X-Ray of Controst Upper Git  
 X-Ray of Contrast  
 Ba-Swallow,Follow Through  
 X-Ray of Contrast  
 Oesophagogram



Biochemistry Auto Analyzer



ELISA Machine

# Outpatient Department

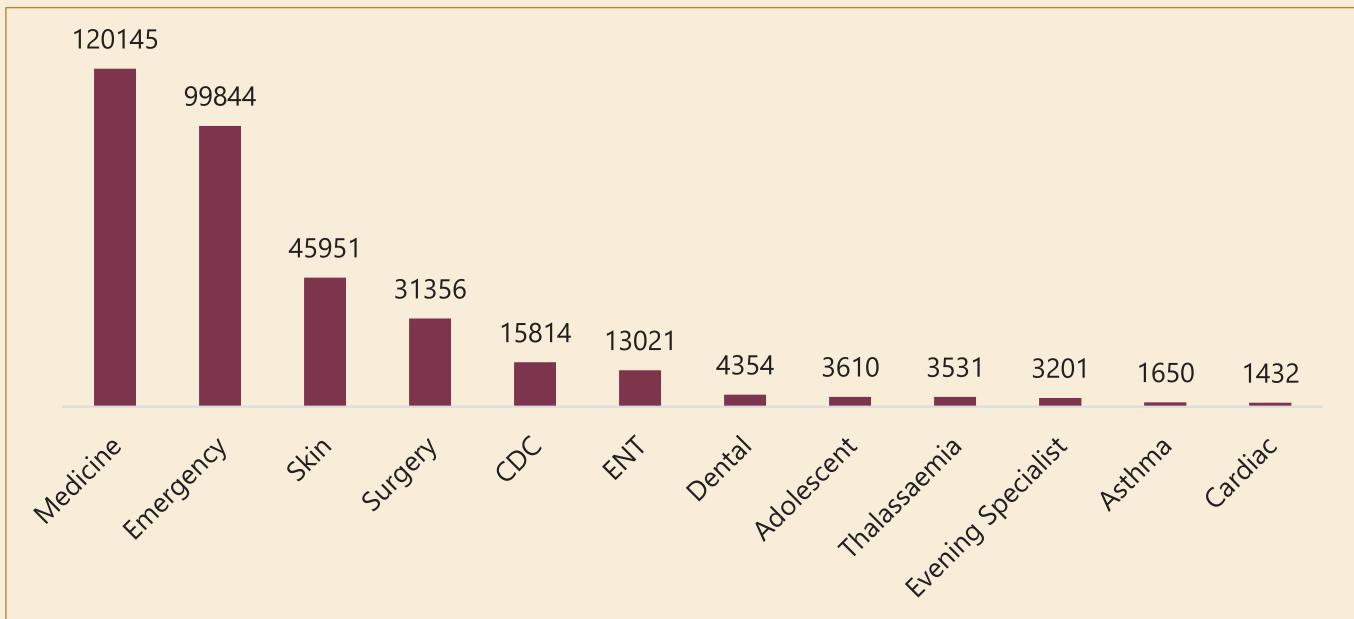
“Patients don’t care how much you know until they know how much you care.”  
- Theodore Roosevelt

“Cure sometimes, treat often, comfort always.” - Hippocrates (attributed)



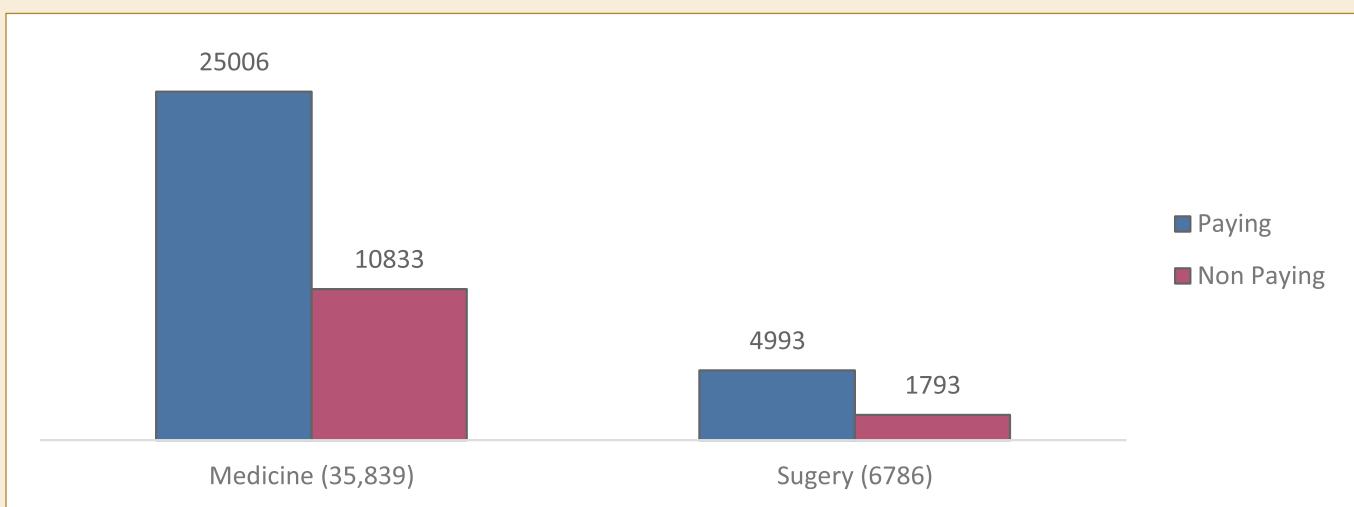
### Outdoor Patient load (January- December 2025):

Total no. of patients attended at different OPD 3,43,909  
(Three lac forty three thousand nine hundred nine)

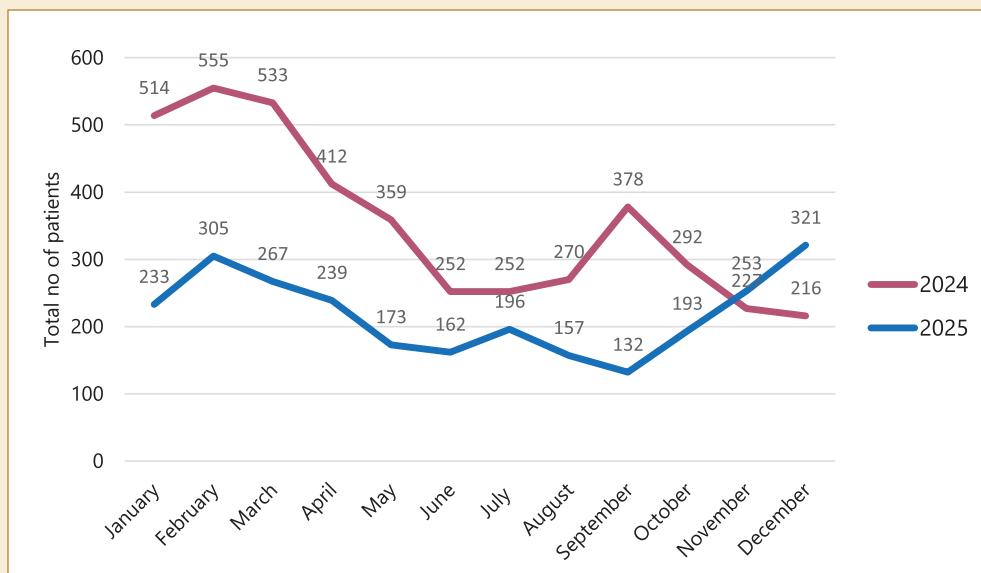


### Indoor Patient load (January-December 2025):

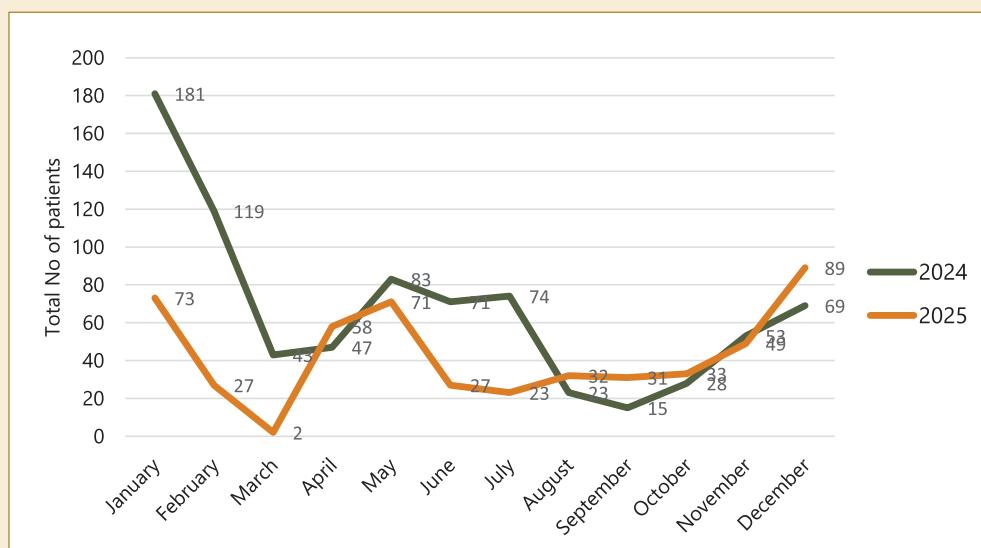
Total no of patients admitted in hospital 42,625  
(Forty two thousand six hundred twenty five)



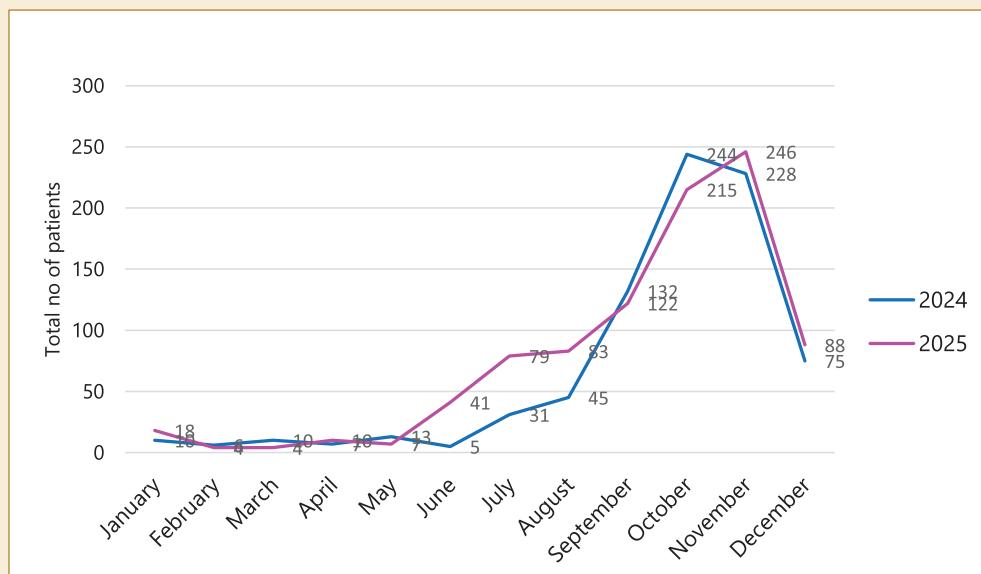
### Comparative trends of admission with Pneumonia over two years (2024-2025)



### Comparative trends of admission with Diarrhoea over two years (2024-2025)



### Comparative trends of admission with Dengue over two years (2024-2025)





# Outpatient Department (Medicine)



## Overview of the Department

Name	Qualification	Designation
<b>Dr. Mahmudul Haque Chowdhury</b>	<b>MBBS, DCH, MPH, FCPS (part II) Trainee</b>	<b>Assistant Professor &amp; Resident Physician</b>
Dr. Luna Parveen	MBBS, DCH	Assistant Professor
Dr. Suraj Chandra Majumder	MBBS, DCH	Junior Consultant
Dr. Sumaiya Liza	MBBS, MD	Registrar
Dr. A S M Atiqur Rahman	MBBS, DCH	Resident Medical Officer
Dr. A K M Shamsuzzaman Rana	MBBS, MPH	
Dr. Ahmed Hossain Uzzal	MBBS	
Dr. Muhammad Nazmul Hasan Chowdhury	MBBS, MPH, FCPS (part II)	
Dr. Khan Md Monzurul Kabir	MBBS	
Dr. Partha Pratim Paul	MBBS	
Dr. A B M Mahfuj Hasan Al Mamun	MBBS, MPH	
Dr. Ahmed Belal	MBBS, FCPS (part II)	
Dr. Md Mehedi Hasan Omi	MBBS	
Dr. Quamrun Nahar	MBBS, MPH	

### Auxiliary Staff

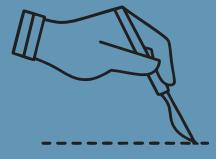
Name	
Mst Monjuara Khatun	Nursing Supervisor (OPD + EPI)
Rina Majumder	Senior staff Nurse (Emergency)
Ruma Rani Datta	Senior Staff nurse (Breast feeding Counselling)

## Departmental Activities

Consultation	Physiotherapy
Referred for admission	Subspecialty Follow up
Referred to sub specialties	CDC Outdoor
Referred to resident Physician & resident Surgeon	Well baby clinic
Emergency Management	ENT consultation
EPI & other vaccination	Dental Consultation
	Skin diseases Consultation

### Future Roadmap

Digitalization of outpatient department.



# Outpatient Department (Surgery)



## Overview of the Department

Name	Designation	Qualification
<b>Dr. Prosanto Kumar Biswas</b>	<b>MBBS, MS (Paediatric Surgery)</b>	<b>Assistant Professor &amp; Resident Surgeon</b>
Dr. Abira Binte Abdullah	MBBS	Resident Medical Officer
Dr. Syed Ismail Hossen	MBBS	

### Surgery Outdoor Patient Department (SOPD)

Month	SOPD & Consultation	Admission
January	2260	207
February	2240	176
March	2020	107
April	2501	231
May	2980	183
June	2393	190
July	3121	231
August	3120	200
September	3380	231
October	3272	225
November	2980	217
December	2741	172
<b>Total</b>	<b>33008</b>	<b>2370</b>



## Overview of the Department

Name	Qualification
<b>Prof. Dr. Mohammad Ali</b> Dr. Shammi Akhter Dr. Mohammad Anayet Ullah Dr. H M Mizanur Rahman Dr. Redoan Ferdous	<b>Prof. (C.C) &amp; Head</b> Resident Medical Officer
Md. Shamim Mollah	Dental Technician
Md. Munsur Ali	Auxiliary Staff

## Departmental Activities

All types of Extraction  
Surgical Procedures  
Abscess Drainage  
Dressing  
Different Types of Filling  
Pulpectomy in Deciduous Teeth  
Pulp Capping in Deciduous Teeth  
Root Canal Treatment in Permanent Teeth  
Lesion Sterilization and Tissue Repair (LSTR) Treatment  
Apexogenesis in Immature Permanent Teeth (Vital)  
Apexification in Immature Permanent Teeth (non-vital)  
Scaling  
Light Cure Filling  
Frenectomy  
Release of Tongue Tie  
Excision of Mucocele  
Management of Cellulitis, Avulsed Tooth, Soft Tissue injury,  
Soft Tissue growth, Cystic lesion  
Jaw Fracture  
Digital Dental X-ray (periapical view)

### Future Road map

OPG (Orthopantomogram) X-ray  
Conscious Sedation in Dental Chair  
Major Surgical Procedure Under G/A  
CBCT (Cone Beam Computed Tomography)



# Paediatric Dermatology



## Overview of the Department

Name	Designation
<b>Dr. Mahfuzah Hussain</b>	<b>Associate Professor (C.C) and Head</b>
Dr. Md. Tanver Ahmed	Resident Medical Officer
Dr. Rezwan Sarwar	

## Departmental Activities

The Department of Dermatology was established in November 1990 with the aim of specialized care for skin, hair and nail disorders in children. Since its inception, the Department has played an important role in the diagnosis, treatment and prevention of Paediatric dermatological conditions, addressing both common and complex skin diseases in both outpatient and inpatient department. Alongside clinical services, the department has contributed in the training of postgraduate students (MD Paediatric).

Total number of outpatient from January to December 2025: 45951.

Total number of referred outdoor and indoor patient seen by Head of Department: 8056.



Different patients visiting the Dermatology OPD

# Department of EPI



## Overview of the Department

Name	Qualification
<b>Monjuara Khatun</b>	<b>Nursing Supervisor</b>
Ruma Rani Datta	Senior Staff Nurse
Jharna Roy	
Deep Shekha	Vaccinator

## Departmental Activities

Vaccination against 11 diseases of EPI Programme.  
Vaccination of adolescents and pregnant women against Td.  
Directly procure vaccines from the zone office (city corporation).  
Storing the vaccine at the right temperature to ensure the quality of the vaccine.  
Cold chain, temperature control and vaccine vials are monitored.  
Regular monitoring of vaccination interval.  
After vaccination, the mother is counselled about vaccine adverse reactions.  
HPV vaccination.  
Vitamin A plus campaign.  
Typhoid vaccine campaign.  
EPI report to be send DHIS2 every day.  
Sending surveillance report to be sent every week.  
Submitting EPI report every month.

### Breast feeding counselling

Okatani massage





## Overview of the Department

Name	Designation
<b>Sabrina Makbul</b>	<b>Senior Nutritionist</b>
Shanta Roy	Dietician
Md. Ruhul Amin	Steward
Md. Rassel	Ward Master (Diet Clark.acting)
Md. Feroz Ali	Cook
Md. Shofiqul Islam	
Md. Faruk Hosen	Mashalchi
Md. Abubakkar Siddik	
Md. A.Kader Buuya	
Baby Akter	
Most. Taslima Akter	
Ummy Hani	
Md. Memadi Hasan	Receptionist
Md. Sujon Miah	Liftman
Md. Anower Hossin	Ward Boy

# Diet & Food Department

# Department of Physiotherapy



## Overview of the Department

Name	Designation
<b>Mohammad Mohinul Islam</b>	<b>Senior physiotherapist</b>
Debarata Paul	Assistant physiotherapist
Md. Salehuddin Sarkar	

## Departmental Activities

Provide physiotherapy services to the paediatric patient in Indoor and Outdoor basis. Provide physiotherapy services to treat the conditions like Cerebral palsy, Torticollis/ Sternocleidomastoid tumor, GBS, Stroke, Muscular Dystrophy, Erb's Palsy, Low Back pain , Tennis Elbow, Neck Pain, Knee joint pain, sequelae of Arthritis , Meningitis, Encephalitis and TEV, GDD, Bell's palsy/ Facial Palsy etc. Chest physiotherapy and many more.

### Training Programme

Provide training to the physiotherapy students, Interns and professionals coming from different institutes and hospitals.

### Future roadmap

To establish a Physiotherapy College at Bangladesh Shishu Hospital & Institute under the Faculty of Medicine, University of Dhaka.





# Department of Accounts & Finance



## Overview of the Department

Name	Designation
<b>AHM Nesar Uddin</b>	<b>Deputy Director (Finance) Additional-in-Charge</b>
Hasibul Islam	Assistant Director (Finance)
Md. Masrur Billah	Accounts Officer (Current Charge)
Bushra Jahan	Junior Officer Finance
Md. Abdur Rakeb	Accountant (Academic)
Md. Mofizur Rahman	Accountant (Nursing Institute)
Jahirul Islam	(In Charge)
Arman Khan	Assistant Accountant
Md. Abdus Salam	Accounts Assistant
Md. Bellal Hossain	Computer Operator
Mst. Najma Pervin	Lower Division Clerk (LDC)
Shamme Akter	Peon
Md. Miraj Hossain	Ward Boy
Bikas Chandra Das	Deputy Director (Finance) Add'l Charge

## Departmental Activities

- Responsible for distribution of salaries
- Retirement allowance
- Post Retirement Leave (PRL) benefits
- Leave encashment
- Prepare Central Provident Fund (CPF) payments and Accounts
- Gratuity
- All kind of bill process and payment
- Prepare accounts and budget of hospital and institute.

# Department of Reception and Rent Collection



## Overview of the Department

Name	Designation	Name	Designation
<b>Md. Tawfiq al Hasan</b>	<b>Jr. Officer</b> (Reception & Rent Collection)	Md. Ennur Hossain	Senior Rent Collector
Md. Forhadul Islam	Rent Collector	Md. Abdur Rahman	Ward Master
Mostain Akhtar		Md . Mohasin Mia	Receptionist
Md. Abdur Razzak		Manik Haldar	
Md. Abul Kalam Azad		Prahallad Chandra Das	
Md. Salauddin	Sales Man	Md. Amran Ali	
Md. Rokonuzzaman	Rent Collector C.C	Md. Abdur Rob Pranto	
Md. Sanwer Hossain	OT Attendant	Mrs. Sadia	
Md. Ahshan Dobir	Peon	Md. Zakir hossain	
Md. Taijul Islam		Monowara Begum	
Md. Ferdous		Mrs. Mukta	
Md. Mohiuddin		Md. Rafiqul Islam	
Mrs. Lovely Parvin		Md.Abu Taher Babul	
Md. Anower Hossain	Canteen Manager	Mrs. Mohasina	
		Md. Zihadul Islam	Ward Boy
		Md. Jamal Hossain	
		Md. Ashraful Rahman	
		Mrs. Amena Akter	

### OPD Ticket Counter

A.K.M Anisur Rahman	U.D.A
Kajol Chandra Das	Receptionist
Md. Taijul Islam	Peon
Md. Juwel Miah	Peon
Zihadul Ferdous	Ward Boy
Md. Ashraful Rahman	Ward Boy

### OPD Report Delivery Counter

Md. Ashikur Rahman	Sales Man
Lovely Pervin	Peon
Md. Mohiuddin	Peon
Bikash Chandra Das	Ward Boy
Polash Chandra Roy	Ward Boy



# Department of Maintenance



## Overview of the Department

Name	Designation
<b>Engr. Md. Abu Sayed</b>	<b>Maintenance Engineer</b>
Md. Lutfor Rahman	Bio-Medical Engineer
Md. Khalilur Rahman	Maintenance Engineer (Civil)
Md. Kabir Hossain	Maintenance Engineer (Electrical,c.c)
Md. Rafiqul Islam Sarder	Telephone Supervisor
Khandoker Faruk Ahmed	Vehicle Supervisor
Md. Jenat Rayhan Jebu	Electric Technician
Md. Sajjatul Islam	Electro-Medical Equipment Technician
Prohollat Roy	AC Technician
Md. Parves Hossain	Electrician
Md. Masum Billa	
Md. Golam Mostofa	Plumber
Md. Menarul Islam	Carpenter
Md. Mehedi Hasan Kajol	Assistant AC Technician
Reshmi Akter	Telephone Operator
Halima Akter	
Ronuck Rabbani	
Jannatul Ferdous	
Md. Abul Hossin	Driver
Md. Nazrul Islam	
Md. Shirajul Islam	
Md. Tajul Islam	Liftman
Md. Harun or Rashid	
Md. Farid Ahmed	
Md. Jakaria Khan	
Md. Nahid Rana	
Shamol Chandra	
Md. Imran Hossain	
Md. Babul Hossain Biswas	
Md. Azizul Haque	Pump Operator



## Overview of the Department

Name	Designation
<b>Md. Rakebul Islam</b>	<b>Senior Pharmacist</b>
<b>Md. Rashedul Islam</b>	
Md. Millat Hossain	Pharmacist
Md. All Hasib	
Md. Shamsuddin	Salesman
Nazmul Hasan ayon	
Md. Rakibul Hasan	
Md. Shakibul Hasan	
Md. Azam Mia	
Md. Ariful Islam	
Md. Kawser Ahmed	
Md. Niamul Haque nadim	
Sabuj Chowdhury	
Md. Mahamudul	
Jahangir Miah	
Krishno Mahato	
Md. Sohel Hossain	
Md. Ismail	
Md. Pabel	
Md. Asif	
Md. Anower Hossain	
Md. Salim Reza	
Md. Shakil Fakir	
Md. Sahadat	
Md. Imran	
Babul Hossain	Auxiliary Staff
Md. Mojibur Rahman	
Md. Rafiqul Islam	

### Activities

In Medicine Corner, all types of pharmaceuticals items are storing at the right temperature to ensure the quality.

Procurement of pharmaceutical item from reputed companies and quality control are maintained by registered pharmacist.

Supply chain management strongly maintained by using software to monitor expiration date of pharmaceuticals products.

SOP maintain according to DGDA instructions.

Free medicine dispensing at outdoor pharmacy



## Overview of the Department

Name	Designation
<b>Md. Ziadul Islam (Jahid)</b>	<b>Ward master</b>
Md. Mizanur Rahman	Ward master (Acting)
Md. Nannu Mia	
Md. Newaz Mahmud	
Md. Alamin Biswas	
Auxiliary Staff	54



Ward master & Staffs

# Tomorrow Is Too Late

We are guilty of many errors and many faults.  
But our worst crime is abandoning the children,  
    Neglecting the fountain of life.  
Many of the things we need can wait,  
    The child cannot.

Right now is the time his bones are being formed,  
His blood is being made and his senses are being developed.  
    To him we cannot answer 'tomorrow'.  
    His name is 'today'.

— Gabriela Mistral  
Nobel Laureate (Chile, 1889–1957)



# Bangladesh Shishu Hospital & Institute (Academic Wing)



“Education is the most powerful weapon  
which you can use to change the world.”

— Nelson Mandela

“Tell me and I forget. Teach me and I  
remember. Involve me and I learn.”

— Benjamin Franklin





“ 30 January 1983

Bangladesh Shishu Hospital & Institute (BSH&I) stands as the premier tertiary level paediatric healthcare and academic institution in Bangladesh, playing a pivotal role in post-graduate medical education, research and child health management. The academic wing of the hospital has a long and distinguished history, evolving over decades to meet the growing national demand for skilled paediatric professionals and high-quality child health research.

#### **Historical background and legal status**

On 30 January 1983, Bangladesh Institute of Child Health (BICH) was established as the academic wing of Dhaka Shishu (Children) Hospital. Since its inception, BICH functioned as the academic and training arm of Dhaka Shishu Hospital, contributing significantly to postgraduate education in paediatrics and allied disciplines.

A major milestone in the institutional evolution occurred with the enactment of the Bangladesh Shishu Hospital & Institute Act (Act No. 19 of 2021). This act formally changed the names of both Dhaka Shishu (Children) Hospital and Bangladesh Institute of Child Health and came into effect on 22 September 2021. Through this legislation, the hospital and institute were unified and granted the status of a statutory organization, officially recognized as Bangladesh Shishu Hospital & Institute (BSH&I). This legal recognition strengthened its governance framework and reinforced its national mandate in paediatric healthcare, education and research.

# Bangladesh Shishu Hospital & Institute



## Overview of the Institute

Name	Designation
<b>Prof. Dr. Mohammad Monir Hossain</b>	<b>Academic Coordinator</b>
Prof. Dr. Mahfuza Shirin	Deputy Academic Coordinator
Prof. Dr. Mohammad Abdullah Al Mamun	Academic Secretary
Sabia Khondoker	Librarian
Mushammat Hasida Binta Afruj	Asst. Librarian
Md. Tawhidul Islam Hashemi	Administrative officer
Md. Fahad Quaiyum	Computer Operator
Md. Abdur Rakeb	Accountant
Md. Masud Rana	Course Supervisor
Md. Baizid Bhuya	Record Keeper
Md. Nazrul Islam	Driver
Md. Abdul Kader	Library Attendant
Julekha Khatun	Office Assistant
Nasima Akter	
Md. Shafiullah	
Md. Mizanur Rahaman	
Rabeya Islam	

### Academic affiliation

Bangladesh Shishu Hospital & Institute is academically affiliated with several prestigious national bodies, including the University of Dhaka, Bangladesh Medical University (BMU), and the Bangladesh College of Physicians and Surgeons (BCPS). These affiliations ensure that all academic programs conducted by this institute meet national and international standards of medical education and training.

### Basic science departments

In response to the growing need for structured teaching and research in foundational medical sciences, several basic science departments were established in 2006. These departments provide essential academic support for postgraduate medical education, fostering a strong integration between basic sciences and clinical practice.

## Academic programs and courses

BSH&I conduct a wide range of postgraduate and diploma-level academic programs, making it one of the most comprehensive paediatric academic institutions in the country.

Under the Bangladesh College of Physicians and Surgeons (BCPS), the Institute conducts the FCPS program in General Paediatrics as well as paediatric subspecialties including Neonatology, Paediatric Nephrology, Paediatric Haemato-Oncology, Paediatric Neurology and Development, Paediatric Pulmonology, and Paediatric Cardiology.

Under Bangladesh Medical University (BMU), the Institute offers MD Residency programs in General Paediatrics, Neonatology, Paediatric Nephrology and Diploma in Child Health (DCH) course. In addition, MD non-residency programs are conducted under both University of Dhaka and BMU, providing different academic pathways for practicing physicians.

The Institute also offers MS (Paediatric Surgery) programs, including both residency courses under BMU and non-residency courses under the University of Dhaka.

Beyond physician training, BSH&I contribute significantly to allied health education. The Institute conducts a Diploma in Paediatric Nursing course under the Bangladesh Nursing Council and a Bachelor of Science (BSc) in Health Technology course under the University of Dhaka, thereby supporting the development of a multidisciplinary paediatric healthcare workforce.



Freshers Reception Ceremony of MD (Paediatrics, Neonatology and Paediatric Nephrology) and MS (Paediatric Surgery) and DCH



Qualified students of MD Residency batch July 2025

## Academic activities

The academic environment at BSH&I is vibrant and structured, with regular teaching-learning activities integrated into daily clinical services.

Morning academic sessions are a cornerstone of postgraduate training. These sessions involve detailed discussions of patients admitted on the previous day and are attended by teachers, postgraduate students and doctors of all levels. Emphasis is placed on clinical reasoning, evidence-based decision making and multidisciplinary input. During the academic year 2025, a total of 261 morning sessions were conducted.



Morning academic session



Morning session at the new academic space, after earthquake

Evening academic sessions are equally important and include clinical meetings, case presentations of academic interest, journal clubs and death review. These sessions promote critical appraisal of literature, reflective clinical practice and continuous quality improvement. In the academic year 2025, total 280 evening sessions were held.

## Seminars, workshops and training programs

BSH&I regularly organizes monthly seminars, arranged and presented by various disciplines in rotation. Additionally, special seminars are arranged in response to national health priorities, disease outbreaks or emerging paediatric health concerns and celebration of important national and international days. A total of 20 seminars were organized during the academic year 2025.



The Institute also serves as a major national venue for workshops and training programs. Regular hands-on workshops are conducted on important clinical topics. BSH&I is a recognized training centre for Emergency Triage Assessment and Treatment (ETAT) and Kangaroo Mother Care (KMC) programs, organized by the Directorate General of Health Services (DGHS). Other training activities include Comprehensive Newborn Care Package (CNCP), Childhood Tuberculosis training organized by icddr,b and participation in the Vitamin A Plus Campaign organized by Dhaka North City Corporation (DNCC). In total, 15 workshops and training programs were conducted during the academic year 2025.

## Research activities

Research is a fundamental pillar of the academic mission of BSH&I. Faculty members are actively engaged in collaborative research projects with renowned national and international organizations, including icddr,b, World Health Organization (WHO), Centres for Disease Control and Prevention (CDC), Johns Hopkins University, Oxford University and Novartis Vaccine Institute.

These research projects are supported by leading global funding agencies such as WHO, USAID, and the Bill & Melinda Gates Foundation. Research outputs from BSH&I have been published in numerous high-impact, peer-reviewed international journals, contributing significantly to global knowledge in paediatrics and child health.

#### Number of admitted students in different courses in academic year 2025

Name of Course	Number of Students
MD Residency (Paediatrics)	09
MD Residency (Nephrology)	01
MD Residency (Neonatology)	03
MS (Paediatrics)	10
DCH	15
B.Sc in Health Technology (Lab)	50
Diploma In Paediatric Nursing	20
Total	108

#### Number of qualified students in different courses in academic year 2025

Course	Number of students
MD (Paediatrics)	14
MS (Paediatrics)	11
MD (Neonatology)	03
MD (Paediatric Nephrology)	02
DCH	08
Diploma in Paediatric Nursing	09
B.Sc in Health Technology (Lab)	16
Total	63

#### Present students

Course	Number of students
MD (General Paediatrics) Phase - A	21
MD (Neonatology) Phase - A	06
MD (Paediatric Nephrology) Phase - A	02
MS (Paediatric Surgery) Phase-A	16
MD (Paediatrics) Part III	02
FCPS (Paediatrics Criticale care)	01
MS (Paediatric Surgery) Part III	01
DCH	31
MD (General Paediatrics) Phase - B	35
MD (Neonatology) Phase - B	11
MD (Paediatric Nephrology) Phase - B	04
MS (Paediatric Surgery) Phase - B	24
Diploma In Paedtric Nursing	20
B.Sc. in Health Technology (Lab)	139
Total	313

#### Library and information facilities

The Institute maintains a well-equipped medical library with an extensive collection of up-to-date textbooks, reference materials and reputed national and international medical journals. To enhance access to global scientific literature, broadband internet facilities are available to all students, teachers and consultants.

Library resources are further strengthened through access to HINARI, enabling users to download over 2,230 medical journals, including more than 50 paediatric journals, thereby supporting education, research and evidence-based clinical practice.

#### Official journal

The Dhaka Shishu (Children) Hospital Journal is the official journal of Bangladesh Shishu Hospital & Institute. Established in 1984, it is a peer-reviewed, open-access journal published biannually. The journal is officially recognized by the Bangladesh Medical and Dental Council (BMDC), the highest authority for medical journal accreditation in Bangladesh.

All articles published in the journal are indexed and tracked through DOI/CrossRef and BanglaJOL, ensuring international visibility and accessibility. The journal accepts a wide range of manuscript categories, including leading articles, original research, review articles and case reports. The journal is now available in an online format at [www.dshjournal.org](http://www.dshjournal.org). During the academic year 2025, two issues of the journal were published.



Formation of the New Editorial Board of the Dhaka Shishu (Children) Hospital Journal

An Editorial Board meeting of the Dhaka Shishu (Children) Hospital Journal was held on 29 June 2025, during which a new Editorial Board was unanimously constituted with some changes. The newly formed Editorial Board is as follows: Chairman: Prof. Mohammad Hanif, Editor-in-Chief: Prof. Md. Mahbubul Hoque, Editor: Prof. B. H. Nazma Yasmeen, Executive Editor: Prof. Mohammad Abdullah Al Mamun. The Associate Editors and other members of the Editorial Board remain unchanged.

#### Future directions

Bangladesh Shishu Hospital & Institute (BSH&I) aims to further strengthen its position as a national and regional centre of excellence in paediatric healthcare, education, and research. Future priorities include expansion of postgraduate and subspecialty training, strengthening collaborative and multicentre research, and advancing digital transformation through electronic medical records, learning management systems, and simulation-based education. Continued focus on faculty development, multidisciplinary team-based care, quality assurance, infrastructure development, and community-oriented programs aligned with national child health priorities will ensure sustainable academic and clinical excellence.

# Department of Basic & Para Clinical Science



## Overview of the Institute

Name	Qualification	Designation
<b>Department of Physiology</b>		
Prof. Dr. Nilufa Akhter	MBBS, DCH, MPhil (Physiology)	Professor & Head
<b>Department of Histopathology</b>		
Prof. Dr. Mashud Parvez	MBBS, MD (Pathology)	Professor & Head
Dr. Shakila Jannat	MBBS, MD (Pathology)	Assistant Professor
<b>Department of Biochemistry &amp; Molecular Biology</b>		
Prof. Dr. Salma Sadiya	MBBS, MPhil (Biochemistry)	Professor (C.C)
Dr. Rinky Rani Shaa	MBBS, MPhil (Biochemistry)	Assistant Professor,
<b>Department of Clinical Pathology</b>		
Dr. Alamgir Ahmed	MBBS, MPhil (Pathology)	Associate Professor
Dr. Biva Rani Mondal	MBBS, MPhil (Pathology)	Associate Professor (C.C)
<b>Department of Microbiology</b>		
Dr. Nigha Zannat Dola	MBBS, MPhil (Microbiology)	Assistant Professor
<b>Department of Anatomy</b>		
Dr. Abeeda Nowrin Reza	MBBS, MPhil (Anatomy)	Assistant Professor

# Nursing Institute



## Overview of the Institute

Since January 1, 2020, "Dhaka Shishu Hospital Nursing Institute" has been conducting a 3-year Diploma in General Nursing and Midwifery course under the Bangladesh Nursing and Midwifery Council. Following inspection by the council on 13-01-2020, permission was granted to start the first batch with 50 students.

At present, a total of 138 (one hundred thirty-eight) students is enrolled and the program is running smoothly.

Name	Designation
<b>Sabina Akter</b>	<b>Principal</b>
Nigar Sultana	Vice Principal
Abu Farah Mohammad Sahel	Administrative Officer
Shima Begum	Assistant Course Coordinator
Supriya Barai	Lecturer
Rojina Afroge	
Shefali Rani Biswas	
Mst. Mamena Begum	
Halima Akter Rume	Clinical Instructor
Mst. Resma Khatun	
Md. Mofizur Rahman	Accountant
Md. Maksudur Rahman	Auxiliary Staff
Shornaly Akter	
Firoza Begum	
Nazma	
Moni Khatun	
Jahanara Begum	
Mst. Fahima Begum	
Sharmin Akter Lipi	

### Future Plan

Increase the number of seats  
Built a modern residential hostel for our students

# Department of Nursing



## Overview of the Institute

Name	Designation
<b>Kalpana Talukder</b>	<b>Deputy Nursing Superintendent (C.C)</b>
Rina Shikuar	Assistant Nursing Superintendent (C.C)
Most. Marjina Parvin	
Iffatunnahar	
Lipi Mazumder	Nursing Supervisor
Teresa M Gomes	
Moli Irin Palma	
Promila D Costa	
Shefali Rani Mridha	
Sharmin Srity	
Magdalina Marandi	
Chery Suporna Bayen	
Karmela Costa	
Provati Purification	
Tulu Akhter	
Sikta Halder	
Chameli Rozario	
Maseda Khatun	
Most. Shahjadi	
Nurunnahar	
Khadija Parvin	
Tahmina Akter	
Mukta Farazi	
Mst. Monjuara Khatun	

Senior Staff Nurse 334 (Female-317) (Male-17)  
Staff Nurse (17)

# Departmental Activities

1. The nursing department is an well established service unit with 376 nursing staff
2. Nursing care of the admitted patients is monitored by 6 supervisors 3 times daily to ensure quality care.
3. Care companion programme is conducted twice weekly by trained supervisors and senior staff nurses for the parents or care-giver of the patients.
4. A dedicated nurse provides kangaroo mother care( KMC) services to improve newborn survival
5. Breast feeding counselling is done everyday in breast feeding corner
6. Health education is provided in all wards with special sessions for cancer and kidney patients.
7. Trained nurses offer oketani breast message services.

## Future plan

Continuous improvement-of nursing services through training and behavioral development



# Department of Epidemiology & Research



## Overview of the Institute

Name	Designation
<b>Professor (Dr.) Mohammed Reaz Mobarak</b>	<b>Professor &amp; Head</b>
Kinkar Ghosh	Epidemiologist
Muhammad Asaduzzaman	Junior Officer
Md. Shahidul Islam	Computer Operator
Md. Baizid Bhuiyan	Record Keeper
Md. Nomanoor Alam (Attached)	Senior Staff Nurse
Khalidur Rahman (Attached)	Senior Staff Nurse

### Activities

Department of Epidemiology and research has been working with others to prepare for quick responses to pandemic, epidemic, and outbreak situations. It is dedicated to carrying out and guaranteeing high-quality research. Our team helps postgraduate students with research tasks. Disease surveillance and reporting to various government agencies continue around-the-clock. By organizing various workshops, seminars, and trainings, this department plays a significant role in helping health professionals. We have effectively addressed every dengue outbreak and COVID-19. For the first time in Bangladesh, a genomic analysis of dengue virus infection in children was carried out by our department.

### Completed Research Activities

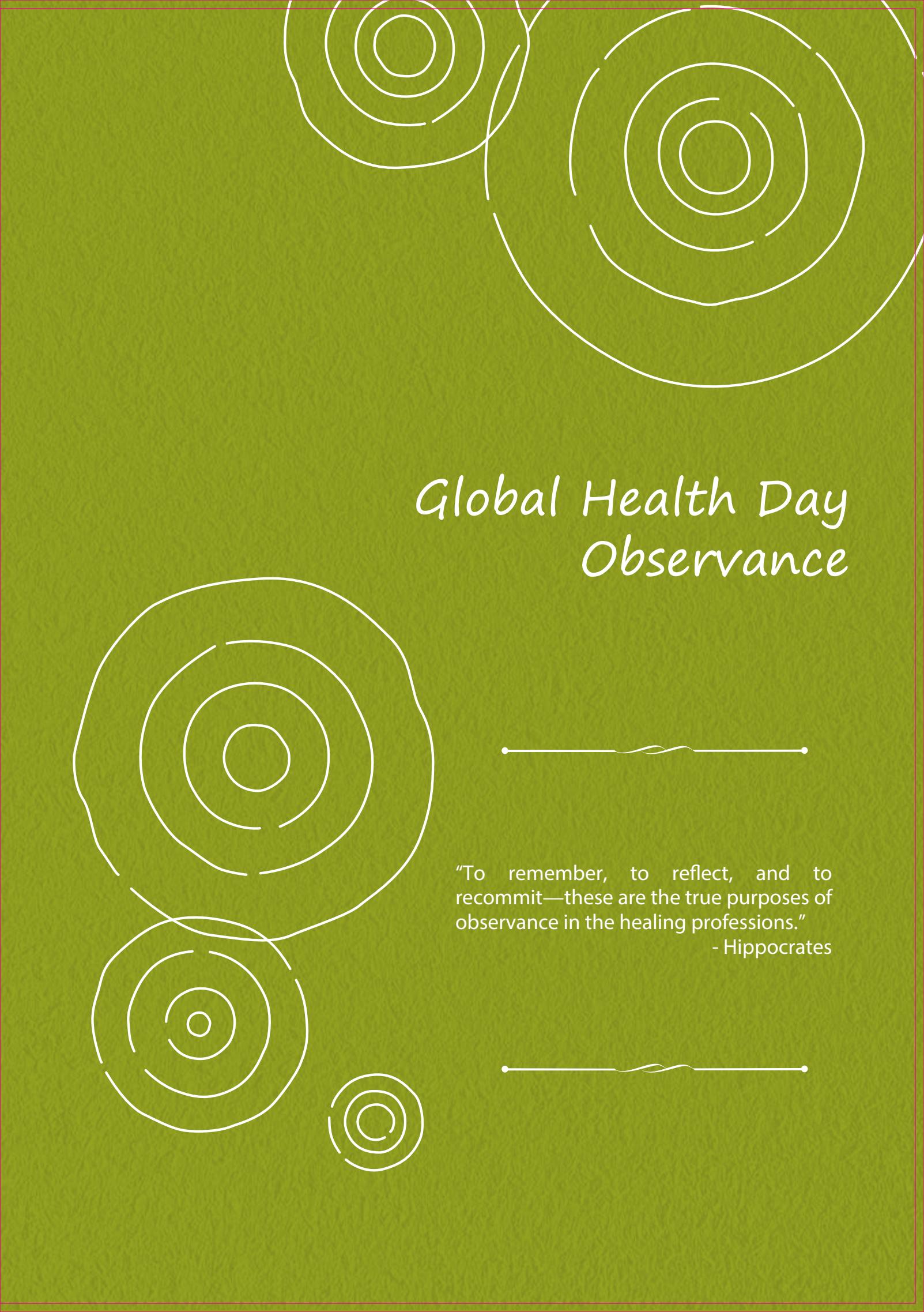
1. Dengue viral infection in children of a tertiary care Paediatric hospital in Bangladesh: Epidemiological & Genetic Study. (2024-25)
2. Scenario of EBF practices and policy landscape analysis with action framework development in Bangladesh. (2024-25)
3. Clinical Profile, diagnostic challenges and outcome of Paediatric Herpes Simplex Encephalitis. (2025)
4. Exploring the association between Lead exposure and ADHD in Children. (2025)
5. Epidemiology and clinical outcomes of Dengue Fever among Bangladeshi children. (2025)

### Publication

1. Epidemiology of Paediatric dengue virus infection, Scenario from a tertiary level hospital in Bangladesh. *Journal of Infection and Public Health*. 2025 Apr 1;18(4): 102684. <https://pubmed.ncbi.nlm.nih.gov/39908638/>
2. Dengue virus detection in nasopharyngeal swabs among Paediatric cases in Bangladesh. *IJID regions*. 2025 May 14:100670. <https://www.sciencedirect.com/science/article/pii/S2772707625001055>
3. Exclusive Breast-Feeding Practices in Bangladesh: An Observational Study. *American Journal of Paediatrics* <https://doi.org/10.11648/j.ajp.20241004.17>

### Future Strategy

Establishment of a centre of excellence for Paediatric research



# Global Health Day Observance



"To remember, to reflect, and to recommit—these are the true purposes of observance in the healing professions."

- Hippocrates





## International Childhood Cancer Day



International Childhood Cancer Day (ICCD) was observed at Bangladesh Shishu Hospital and Institute in alignment with the global observance held annually on 15 February. The day was marked through an awareness rally and scientific sessions focusing on childhood cancer care and advocacy. The 2025 theme was "Inspiring Action for Equal Access to Care for All Children with Cancer."

The program was graced by the Honourable Secretary of the Ministry of Health and Family Welfare, Md. Saidur Rahman, as the Chief Guest, along with other eminent physicians—reflecting the institution's strong and sustained commitment to advancing equitable childhood cancer care.



## World Kidney Day



World Kidney Day 2025, observed on Thursday, 13 March, in Bangladesh and worldwide, raises awareness about kidney health and the prevention of kidney diseases. The 2025 theme—"Are Your Child's Kidneys OK? Detect Early, Protect Kidney Health"—emphasized early detection, regular screening, awareness of risk factors and timely preventive care. In observance of the day, the Paediatric Nephrology Department organized a free school-based health camp, reinforcing its commitment to early kidney care and child health promotion.



## National Vitamin A-Plus Campaign 2025



The National Vitamin A-Plus Campaign 2025 was held across Bangladesh on 15 March 2025, targeting approximately 22.6 million (2.26 crore) children through nearly 120,000 EPI centres nationwide to prevent vitamin A deficiency and childhood blindness. The national inauguration was held at Bangladesh Shishu Hospital and Institute in the presence of Md. Saidur Rahman, Honourable Secretary, Ministry of Health and Family Welfare and Prof. Dr. Md. Abu Zafar, Director General, DGHS. The event underscored Bangladesh's sustained commitment to child nutrition and preventive healthcare, with Bangladesh Shishu Hospital and Institute playing a pivotal role in advancing national public health priorities.



## Thalassemia day



World Thalassemia Day 2025 was observed on 7 May 2025 at Bangladesh Shishu Hospital and Institute with due importance. The program was graced by Sheikh Bashir Uddin, Managing Director of the AkijBashir Group and Honorable Adviser to the Ministries of Commerce; Textiles and Jute; and Civil Aviation and Tourism, as Chief Guest. The 2025 theme was "Together for Thalassemia: Uniting Communities, Prioritizing Patients," emphasized community collaboration, preventive awareness, and patient-centered care, reaffirming BSH&I's commitment to thalassemia prevention, advocacy, and comprehensive care.



## World Nurses Day



World Nurses Day, observed annually on 12 May, commemorates the birth anniversary of Florence Nightingale and honors the vital role of nurses in delivering compassionate, ethical, and patient-centered healthcare. At Bangladesh Shishu Hospital and Institute, the day was celebrated with joyful remembrance and deep appreciation, marking Florence Nightingale's birthday while recognizing the invaluable contributions of nurses to child healthcare, patient safety, and the hospital's mission of compassionate service.



## World Hepatitis Day



World Hepatitis Day 2025 was observed on 28 July to raise awareness on viral hepatitis and to promote prevention, testing, and treatment. The program was jointly organized by Bangladesh Paediatric Gastroenterology Hepatology and Nutrition Society (BAPSGHAN) and the Department of Paediatric Gastroenterology, Hepatology and Nutrition, BSH&I, with active participation from eight institutes. The global theme for 2025, "Hepatitis: Let's Break It Down," highlighted the urgent need to dismantle stigma and financial and systemic barriers to ensure equitable access to hepatitis prevention, testing, and treatment services.



## SMA Awareness Month



August 2025 was observed internationally as Spinal Muscular Atrophy (SMA) Awareness Month, coordinated by global advocacy groups such as Cure SMA, under the campaign slogan "Breakthroughs Begin with You." Marking SMA Awareness Month 2025, on 20 August 2025 the Department of Paediatric Neuroscience of Bangladesh Shishu Hospital and Institute, in collaboration with Roche Bangladesh, organized a CME titled "Learning about SMA & Other Neuromuscular Diseases." The initiative focused on raising awareness, supporting patients and families, and advancing research and advocacy for SMA.



## Typhoid Vaccine Campaign 2025



In 2025, Bangladesh launched its First nationwide typhoid vaccination campaign to protect children and adolescents aged 9 months to under 15 years, from typhoid fever. The campaign began on 12 October 2025, using single-dose Typhoid Conjugate Vaccine (TCV). At Bangladesh Shishu Hospital and Institute, the hospital-based typhoid Prof. AKM Azizul Haque, marking a significant milestone in strengthening child preventive healthcare.



## World Anaesthesia Day



On 16 October, the Department of Paediatric Anaesthesia of Bangladesh Shishu Hospital and Institute observed World Anaesthesia Day through dedicated activities, reaffirming its commitment to safe anaesthesia practice and emergency preparedness for children. The 2025 theme, "Anaesthesiology in Health Emergencies," emphasized the crucial contribution of anaesthesiologists during disasters, pandemics, and emergency healthcare situations.



## World Pneumonia Day 2025



World Pneumonia Day 2025 was observed on 12 November to raise awareness about pneumonia, a leading cause of under-five mortality in Bangladesh. The 2025 theme, "Every Breath Counts: Stop Pneumonia in Its Tracks," highlighted the urgency of prevention, early diagnosis, and effective treatment. On the day, a scientific seminar was jointly organized by Bangladesh Shishu Hospital & Institute, Child Health Research Foundation, and Bangladesh Neonatal Forum. An awareness rally was also organized, engaging healthcare professionals and staff to spread key messages on pneumonia prevention and child survival.



# People's Republic of Bangladesh

## Population

Total population  
~165.2 million

Number of children under 18  
~66–68 million

Percentage of population under 18  
~40 %

Male: 81,712,824 (49.5 %)  
Female: 83,347,206 (50.5 %)  
Third gender: 12,629

Per Capita Income (Nominal)  
GDP per person: ~ \$2,820 USD  
for Fiscal Year 2024-25  
highest ever recorded in Bangladesh

## Literacy

National literacy rate (7+ years): ~77.9 %

Source : BBS 2025

## Child Nutrition (Children under 5)

✓ Stunted (low height for age): 24 %

✓ Underweight (low weight for age): 22 %

✓ Wasted (low weight for height): 11 %

## Feeding Practice

- ✓ Exclusive breastfeeding (infants under 6 months): 55 %

## Child Mortality & Survival

✓ Neonatal mortality rate ~20 deaths per 1,000 live births

✓ Under-5 mortality rate (probability of dying before age 5): 31 per 1,000 live births

✓ Infant mortality rate (probability of dying before age 1): 24 per 1,000 live births

Source : BDHS 2022



# Milestones & Memories



“When moments are captured in frames,  
they become chapters of history, quietly  
preserving the journey of an institution.”

- Berenice Abbott





First Management Board Meeting



Academic and administrative interaction with faculty and registrars



Interaction of Management Board members with Resident Medical Officers



First ever training on hospital management for officers and staff



Dr. Tahmeed Ahmed, Executive Director of icddr,b, presented on childhood malnutrition at a joint seminar with Bangladesh Shishu Hospital and Institute



Sheikh Bashir Uddin, Managing Director of the AkijBashir Group and Honorable Adviser to the Ministries of Commerce, Textiles and Jute, and Civil Aviation and Tourism, visited the hospital to review Cardiac ICU restoration



MoU signing ceremony between Turkish Cooperation and Coordination Agency (TIKA) and BSH&I

Inauguration of the National Vitamin A-Plus Campaign 2025



The Ambassador of Algeria, His Excellency Dr. Abdelouahab Saidani visited BSH&I on Eid-ul-Adha and distributed gifts among hospital admitted children



Ceremonial inauguration of specialist-led evening consultancy services



Inauguration of the Neuromuscular Clinic at the Child Development Centre and a policy dialogue on Spinal Muscular Atrophy (SMA), in collaboration with CURE SMA Bangladesh, MoFW, Govt. of Bangladesh, and Roche Bangladesh



Opening ceremony of the newly equipped Paediatric Gastroenterology Department and Physiotherapy Centre, by the gracious contribution of the Turkish Cooperation and Coordination Agency (TIKA)



Step into Paediatrics (6th edi), authored by Professor Abid Hossain Mollah, Honorable Board Member of Bangladesh Shishu Hospital & Institute was officially unveiled

Prof. Dr. Soofia Khatoon delivered a presentation on "Scientific Facts in the Holy Qur'an in Daily Life and Medical Science"



Prof. Samir K. Saha, Founder & Executive Director, Child Health Research Foundation visited the EPI centre during the Typhoid Vaccination Campaign



Md. Saidur Rahman, Secretary, Health Service Division, MoFW, Govt of the People's Republic of Bangladesh led an interactive meeting with newly recruited Medical Officers



Free specialist medical services, organized on July Mass Revolution Day



Milon Mela-a vibrant gathering of doctors and staff



National Revolution and Solidarity Day was observed through a voluntary blood donation program



Observance of 26 March, the Independence Day



Observance of 16 December, the Victory Day



Meeting with administrative personnel of the hospital



On the occasion of Eid-ul-Adha, Islamic Aid UK and Society for Assistance to Widows and Orphans in Bangladesh (SAWAB) supported Qurbani





Foundation stone-laying ceremony marking the commencement of the OPD extension



Outdoor and indoor play zones



Observance of the birth anniversary of Shaheed President Ziaur Rahman by distributing food and vests among hospital admitted children



Meeting with administrative personnel of the hospital



Directive and interactive meeting with nursing staff



Interactive meeting was with pathologists, microbiologists, and laboratory technologists



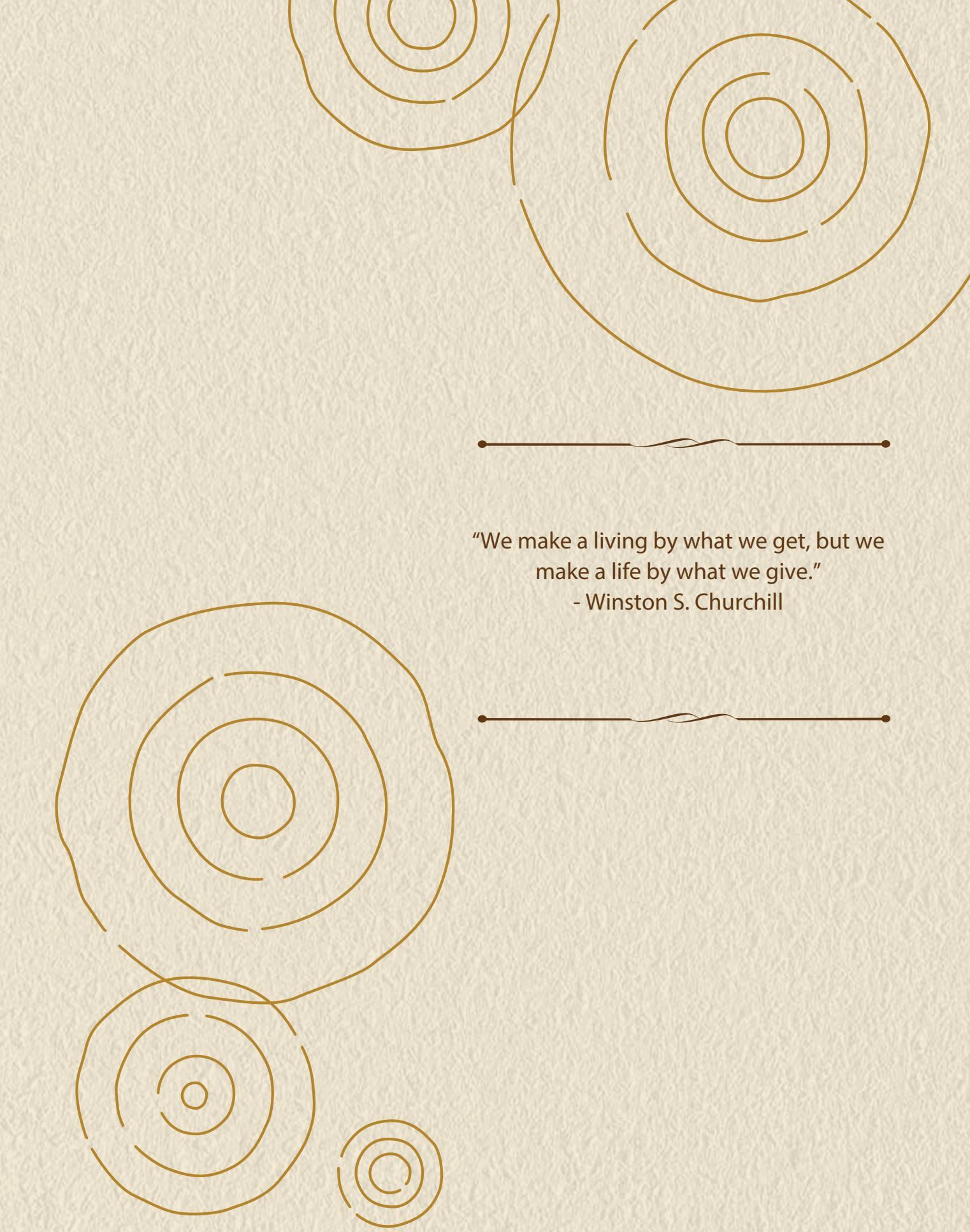
Freshers' Reception and Farewell Ceremony of the BSc in Health Programme



Inauguration of the Indoor Games marking the one-year completion of the Management Board



The Editor and the assistant editors of the Yearbook Committee



“We make a living by what we get, but we  
make a life by what we give.”  
- Winston S. Churchill

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## A World of Child Care



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