

Dhaka Medical College Hospital

Department of Neonatology

Introduction:

Neonatal Intensive Care Unit (NICU) is an intensive care unit dedicated for the care of premature and critically ill newborns in their first 28 days of life.

1982 -Neonatal service 1st started.

1999- SCBU established.

2007- Renovation and up gradation.

2009- Separate independent department

About the department:

Name of Department: Department of Neonatology

Establishment year: 2009

Number of the Bed: 38

Number of ward: 1 (W-211)

Number of the unit: One

Organogram in the Dept. of Neonatology

1. Professor and Head of department-

Prof. Dr. Tahsinul Amin

2. Associate Professor - 03

Dr. Jesmin Akter

Dr. Md Abdur Rouf

Dr. Md Zahir Uddin

3. Assistant Professor - 03

Dr. Afroza Islam Shuma

Vacant Post: 02

4. Registrar – 02

Dr. Sabuj Sikder

Dr. Farah Tanjeen

5. Assistant Registrar - 03

Dr. Ayesha Yasmin

Dr. Farzina Islam

Dr. Pujanjali Chowdhury

6. Indoor Medical Officer-03

Dr. Israt Jahan

Dr. Ayesha Siddiqua

Information of posted doctor (January 2024)
Department of Neonatology
Dhaka medical College Hospital

SL	Name	Designation	Academic Qualification	Mobile Number	E mail
1.	Prof. Dr. Tahsinul Amin	Professor & Head of the Department	MD (Neonatology)	01715734232	tahsinul_amin@yahoo.com
2.	Dr. Jesmin Akter	Associate Professor	MD (Paediatrics) MD (Neonatology)	01552303450	doctor.jesmin@gmail.com
3.	Dr. Md. Abdur Rouf	Associate Professor	FCPS (Paediatrics) MD (Neonatology) MMed, PhD	01917049955	drmarouf86@gmail.com
4.	Dr. Md. Zahir Uddin	Associate Professor	FCPS (Paediatrics) FCPS(Neonatology)	01711242250	zahirdmc51@gmail.com
5.	Dr. Afroza Islam Shuma	Assistant Professor	MD (Neonatology)	01715662636	shumammc@gmail.com

SL	Name	Designation	Mobile Number
1.	Dr. Sabuj Sikder	Registrar, MD (Neonatology)	01305033008
2.	Dr. Farah Tanjeen	Registrar, Neonatology	01305486966
3.	Dr. Nilofar yasmin	MO, Neonatology	1716-275150
4.	Dr. Ayesha Yasmin	AR, Neonatology	01789376265
5.	Dr. Farzina Islam	AR, Neonatology	01612071735
6.	Dr. Israt Jahan	IMO, Neonatology	01816510501
7.	Dr. Ayesha Siddiqua	IMO, Neonatology	01789376265
8.	Dr. Pujanjali Chowdhury	AR, Neonatology	01727460462

Teaching, Training and Research Program in Dept. of Neonatology:

1. MBBS
2. FCPS (Neonatology)
3. MD (Neonatology)-Residency Course

Training program in Neonatology:

1. Internship training for MBBS
2. Post-graduation training in Neonatology recognized by BSMMU and BCPS
3. Various National Training program e.g. CNCP, HBB, ETAT etc.

Departmental Academic Program in Neonatology:

Under graduate : MBBS

Post graduate:

1. MD Neonatology -
 - 04 students in session 2023
 - 02 students in session 2024
2. FCPS Neonatology -
 - 05 students

Others:

1. Weekly Clinical Meeting, Seminar or Journal presentation by the Post graduate students in Neonatology
2. Fort nightly Death Audit by the Assistant registers in Neonatology
3. Weekly classes by the faculties in Neonatology

Departmental Clinical Activities:

1. Ward round and continuous clinical training program
2. Ongoing training in CPAP and Mechanical ventilation, Echocardiogram, Electrocardiogram
3. ROP screening program successfully going on fortnightly
4. ABG analysis
5. Exchange transfusion
6. KMC ward management and KMC service for Preterm LBW, Breast feeding corner, Post discharge follow up, 24/7 emergency services in Neonatal OPD
7. Training on Neonatal resuscitation etc

Presentation schedule for FCPS Trainee, Neonatology

Date	Topic	Presenter
24.09.24	Journal	Dr. Farzina Islam
8/10/24	Seminar	Dr. Tasnuva Sharmin
22.10.24	Clinical meeting	Dr. Sabuj Sikder
12/11/24	Journal	Dr. Pujanjali Chowdhury
26.11.24	Seminar	Dr. MD All Mamun Hossain
10/12/24	Clinical meeting	Dr. Farzina Islam
24.12.24	Journal	Dr. Tasnuva Sharmin
14.01.25	Seminar	Dr. Sabuj Sikder
28.01.25	Clinical meeting	Dr. Pujanjali Chowdhury
11/2/25	Journal	Dr. MD All Mamun Hossain

KMC ward and Postnatal ward round schedule,2024

Month	Doctor
September	KMC ward: Dr. MD All Mamun Hossain Post-natal ward: Dr. Sabuj Sikder Dr. Pujanjali Chowdhury
October	KMC ward: Dr. Farzina Islam Post-natal ward: Dr. MD All Mamun Hossain Dr. Tasnuva Sharmin
November	KMC ward: Dr. Tasnuva Sharmin Post-natal ward: Dr. Farzina Islam Dr. Sabuj Sikder
December	KMC ward: Dr. Sabuj Sikder Post-natal ward: Dr. Tasnuva Sharmin Dr. Pujanjali Chowdhury
January-25	KMC ward: Dr. Pujanjali Chowdhury Post-natal ward: Dr. MD All Mamun Hossain Dr. Farzina Islam

**Post-Graduation Class Schedule(12.00 pm)
October-December 2024
Department of Neonatology,DMCH**

	Date	Day	Topics	Name of the Teacher
1	26/10/24	Saturday	Resuscitation	Dr. Md. Zahir Uddin
2.	29/10/24	Tuesday	Newborn examination	Prof. Dr. Tahsinul Amin
3.	31/10/24	Thursday	Respiratory Distress	Dr. Jesmin Akter
4.	3/11/24	Sunday	Management of hypoglycemia & Hperglycemia	Dr. Md. Abdur Rouf
5.	7/11/24	Thursday	Apnea,CPAP	Dr. Afroza Islam Shuma
6.	12/11/24	Tuesday	Neonatal Convulsion	Prof. Dr. Tahsinul Amin
7.	16/11/24	Saturday	Common Surgical Problems of newborn	Dr. Md. Zahir Uddin
8.	21/11/24	Thursday	Approach & management of a neonate with shock	Dr. Jesmin Akter
9.	24/11/24	Sunday	Fluid and Electrolytes	Dr. Md. Abdur Roof
10.	5/12/24	Thursday	Mechanical Ventilation	Dr. Afroza Islam Shuma
11.	7/12/24	Saturday	Congenital Heart disease and Heart Failure	Dr. Md. Zahir Uddin
12.	12/12/24	Thursday	Common neonatal X- ray	Dr. Jesmin Akter
13	15/12/24	Sunday	Temperature regulation in newborn	Dr. Md. Abdur Rout-
14.	17/12/24	Tuesday	Nutritional management,feeding and feeding problem	Proli Dr. Tahsinul Amin
			ABG interpretation	Dr. Afroza Islam Shuma
15.	21/12/24	Saturday		

Departmental Research Program in Neonatology:

1. Thesis program in MD (Neonatology) and FCPS (Neonatology)
2. Dissertation program in FCPS

Besides, the faculties are also engaged in their own thesis and dissertation(ongoing)-

1. Prevalence, risk factors and immediate outcome of retinopathy of prematurity in preterm low birth weight babies in a tertiary care hospital-by Dr Al Mamun Hossain
2. Clinical-laboratory profile and outcome of fungal sepsis in neonate admitted in NICU of a tertiary level hospital-Dr Marufa Sultana
3. Clinical correlation of serum magnesium and calcium level among term asphyxiated newborn with stage II & stage III Hypoxic Ischemic Encephalopathy-by Dr Manobendra Ghosh.
4. The role of serial serum C- Reactive protein level in the diagnosis of neonatal sepsis-by Dr Tasniva Mamtaz.
5. Relationship between Troponin I and Hypoxic Ischemic Encephalopathy among asphyxiated newborn babies-by Dr Md Shafiqul Islam.
6. Efficacy of Levetiracetam versus Phenobarbital in neonatal Seizure due to Perinatal Asphyxia:A randomized control trial-by Dr Farzina Islam.
7. Study of hepatic enzyme activity as a predictor of Perinatal sphyxia and its severity and immediate outcome-by Dr Twinkle Mazumder.

To the best of my knowledge, no faculty has taken any research grant from any authority.

Achievement in the Dept. of Neonatology:

1. Prof. Tahsinul Amin Professor and Head, Dept. of Neonatology, Dhaka Medical College, Dhaka, successfully chaired in The Bangladesh Perinatal Society conference in 2024
2. Vibrant participation in various National and International program.
3. MD(Neonatology) Residency-March 2022
4. FCPS(Neonatology)-from 2017

Limitations:

Lack of mother's rest room. Genetic testing, metabolic disorders screening and birth defect surveillance program.



Prof Dr. Tahsinul Amin
Professor & Head
Department of Neonatology
Dhaka Medical College Hospital