

# Organogram

**Department: Department of Cardiology, DMCH**

## **Introduction of the Department:**

Dhaka Medical College and Hospital (DMCH), Bangladesh, was established in 1946 during the British colonial rule. Since its establishment, Dhaka Medical College is continuously playing a pioneering role in dispersing medical education among young pupils. The hospital, attached with the college, provides affordable health care to a huge number of patients through its outdoor, indoor and emergency facilities.

When it comes to clinical excellence, correct diagnosis and effective therapy are what matters. The greatest measures of academic excellence are the discoveries and innovations produced by an institution's researchers and by the young investigators they train. These qualities are pursued and embodied by Department of Cardiology, DMCH. It was established in 1979 and since then, it has grown into a national leader in the field of cardiovascular medicine. Department of Cardiology is showing its excellence in all cardiovascular treatment since inception and combines outstanding community-based care with the most advanced technology and treatments available.

Since 1/12/2024, department of Cardiology DMCH has been headed by Dr. Kazi Nazrul Islam<sup>0</sup>. With his outstanding leadership and charismatic personality, this department has been serving the nation.

From early 2020, the routine works of Cardiology department was postponed and the whole department was engaged for treatment of complicated COVID- 19 patients with cardiovascular co-morbidities. Since then, all the doctors of department Cardiology, including faculty members, Govt. doctors and post graduate students, have been serving devotedly in every COVID wards of DMCH-2. From November 2021, we were again allowed to initiate the regular work of cardiology. Also, the activities of Cardiac Cath-Lab had begun to run with full pace since then.

This department serves as a resource for patients, families, students and physicians by pursuing excellence in clinical care, research and education.

**Establishment Year:** 1979

**Number of Unit:** 3 (Three)

Total Bed: 65

CCU -19

Post CCU- 32

Precath and Post Cath: 13

**Details of Each Unit:**

*Name of the Unit: Unit 1*

Unit Chief: Dr. Kazi Nazrul Islam, Associate Professor and Head of the Department

Number of the Bed: Not applicable

Number of the Ward: CCU, PCCU, Pre-Cath, Post-Cath

*Name of the Unit: Unit 2*

Unit Chief: Dr. ATM Mahfuzul Haque Shahin

Number of the Bed: Not applicable

Number of the Ward: CCU, PCCU, Pre-Cath, Post-Cath

*Name of the Unit- Unit 3*

Unit Chief: Dr. S. M. Kamrul Hasan

Number of the Bed: Not applicable

Number of the Ward: CCU and PCCU

**Organogram:**

***Faculties:***

*Professor:* Dr. Md. Mizanur Rahman (LPR)

*Associate Professor:*

Dr. Kazi Nazrul Islam, Associate Professor and Head of the Department

Dr. ATM Mahfuzul Haque Shahin

*Assistant Professor:*

Dr. S. M. Kamrul Hasan

Dr. Syed Rezwan Kabir

Dr. Md. Amdadul Haque

Dr. Md. Arifur Rahman

Senior Consultant:

Dr. Md. Azizul Haque

*Junior Consultant:*

Dr. Md. Shariful Alam

Dr. Md. Khairuzzaman

Dr. Nasiruddin

*Registrar:*

Dr. Md. Mahmudur Rahman Noman

Dr. Md. Ahsanul Hoque

Dr. Kamol Roy

Dr. Md. Mahbubur Rahman

*Assistant Registrar:*

Dr. Md. Abu Reza Hasibul Hasan

Dr. Mazharul Islam

Dr. Shaila Sharmin

Dr. Soud Bin Khairul Anam

*Medical Officer:*

Dr. Kazi Abul Fazal Ferdous

Dr. Khairul Islam

Dr. Kazi Sefayet Enam

Dr. Mizanur Rahman

Dr. Abdul Monem

Dr. Chinmoy Saha

Dr. Minhaj Rashidur Rahman

Dr. Jannatun Nayeem

Dr. Iftekhar Mahmud

Dr. Kamrunnahar

Dr. Mohammad Borkot Ullah

Dr. Mamun Ur Rashid

## **Academic Activities at a glance:**

### **A. Under Graduate Course:**

MBBS (Dhaka University)

### **B. Post Graduate Course:**

D- Card (Dhaka University)

MD in Cardiology (Dhaka University)

D- Card (Bangladesh Medical University)

MD in Cardiology (Bangladesh Medical University)

FCPS Cardiology

### **Post Graduate Student:**

#### **A. Allotted Yearly:**

Dhaka University:

D- Card: 04

MD: 09

Bangladesh Medical University:

MD (Cardiology) Non-Residency: 04

MD (Cardiology) Residency: 05

D- Card (BMU): 07

#### **B. Current Students of Ongoing course:**

D- Card (Under BMU): 05

MD (Non Residency): 01

MD (Residency): 12

Phase: A (Cardiology and Other Discipline):

Cardiology: 05

Neurology: 04

Respiratory Medicine: 05

Critical Care Medicine: 02

Internal Medicine: 04

## Activities at a Glance:



## Academic Activities:

Cardiology department is one of the largest and well equipped departments of Dhaka Medical College & Hospital in Bangladesh.

An academic center of excellence for undergraduate & post graduate course

Multidisciplinary Team Approach / Rehabilitation Team Meeting

Case Presentation/ assessment

Death Review

Integrated Teaching with different departments

Journal Club

## Under-graduate Course:

i) Lecture

ii) Placement of MBBS Students (3<sup>rd</sup>, 4<sup>th</sup>, & 5<sup>th</sup> year)

- Clinical/Tutorial classes
- Assessment

- Case Presentation
- Evaluation

## **Post-graduate Course:**

### **FCPS part 2 Students**

- Lecture classes
- Case Presentation/Assessment
- Evaluation
- Dissertation

### **MD Course**

i) Phase A

ii) Phase B

- **Lecture classes**
- **Case Presentation/Assessment**
  - Assessment
  - Case Presentation
  - Evaluation
  - Thesis

### **Academic Facilities:**

- Departmental Library with well-equipped standard classroom
- Six Computers
- Multimedia set-2 in number
- Interactive board

### **Training**

#### **Post Graduate Training**

Govt. / Private Doctors  
Lecture Classes  
Clinical / Tutorial classes  
Assessment  
Case Presentation  
Evaluation  
Dissertation / Thesis

### **Research**

Departmental study  
Dissertation  
Thesis

### **Patient Care**

- Indoor patients (Departmental)
  - Management: Intervention (CAG, PAG, Cardiac Cath, PTMC, ASD device Closure)
  - Drugs
  - Discharge
- Referral

### **Outpatient:**

- Management
- Drugs

### **Other Facilities:**

- Departmental Library
- Multi Media
- Computer / Laptop

- Internet
- Class Room

### **Daily Activities:**

Patients attending in the departmental of cardiology either directly or referred from other department of DMCH are managed in a systemic and dynamic way by the doctor, under supervision of the head of the department.

- Daily patients (OPD, referred) are seen by the doctors from 8.00 am to 2:30 p.m. 24 hours indoor services are also provided by the doctors of the department.
- From 8:30 a.m. to 9:30 a.m. other academic activities such as seminar, journal club and case presentation are going on.
- Classes with practical demonstration are taken from 9.00-11.00 am to the students of 4<sup>th</sup> year MBBS according their academic calendar
- Lecture classes for 5<sup>th</sup> year students are taken according to their academic calendar.
- Lecture and clinical classes are taken daily for post graduate doctors.
- Physiotherapist and occupational therapist are trained up by the department doctors with regular tutorial classes according to their curriculum from 11.00-12.00 pm during their placement.

### **Session**

- Weekly Case Presentation Session-Alternate Tuesday
- Weekly CME Sessions- Alternate Tuesday
- Weekly Journal Presentation-Alternate Thursday
- Short Case Examination-Last Thursday of a month

## Clinical Statistics of the year 2024:

Total Number of Patient attended in OPD: 105265

Procedure/ Operation Done: Not Applicable

### Inpatient Department:

Total Admission Number (n)	Operation/ Procedure (n)	Non- Invasive Procedure (n)
Total: 6008 PCCU: 4284 CCU: 1724	Total:70 CAG: 1124 PAG: PCI: 363 PAG: 33 TPM: 22 PPM: 35 C. Cath: 09 Others: (PTMC+ Device+ ICD): (14+04+02)	Electrocardiogram: 25660 Echocardiogram: 12065 Exercise Tolerance Test: 177

### Journals/ Publications from the department of Cardiology:

1. Khan MIH, Hasan SMK, Saha S, Hossain SZ, Chakrovortty SK. (2021). Clinical characteristics and outcomes of percutaneous coronary intervention in acute St-Elevation MI: A study in AFC Fortis Escort Heart Institute, Khulna, Bangladesh. *Med. res. Chronicles*, 8(3):169-78.
2. Uddin N, Chowdhury AW, Ahmed M, Md Khalequzzaman, Amin MG, Md Salim GU, & Hossain AI. (2020). Association of low Serum Magnesium level with occurrence of Ventricular Arrhythmia in patients with Acute Myocardial Infarction. *Bangladesh Heart Journal*, 35(1): 39–46.
3. Mohiuddin M, Chowdhury AW, Islam KN, Amin MG, Mahfuzul Hoque ATM, Saha C, Kader AF, Haque A. (2021). Echocardiographic Evaluation of Cardiac Status in Patients with Chronic Obstructive Pulmonary Disease. *Bangladesh Med Res Counc Bull*, 46(3): 204-10.

4. Ahmed M, Islam MM, Islam AM, Rahman MA, Fazal Ferdous KA, E Khuda CK, Chandra Das B, Uddin MN. (2021). Association of Obesity and C-Reactive Protein with Coronary Artery Disease. *Bangladesh Heart J*, 36(1): 9-16.
5. Hosen AI, Chowdhury AW, Sabah KMN, Amin MG, Ahmed M, Haque A, Uddin MN, Sarker B, Rubaiyat KA, Khuda MNE, Islam MM. (2019). Association of Serum Vitamin D with Acute Myocardial Infarction in Young Patients ( $\leq 40$  Years). *Bangladesh Heart J*, 34(2): 80-5.
6. Debnath L, Chowdhury AW, Alam I, Rashid MM, Sikder MSI, Nath BK. (2022). Comparative Assessment of Serum Homocysteine and High Sensitivity C-reactive Protein in type 2 Diabetic and non-Diabetic Patients with ACS. *Bangladesh Heart J*, 35(2): 114-20.
7. Uddin N, Chowdhury AW, Ahmed M, Khalequzzaman MD, Sabah KMN, Amin MG, Hasan SMK, Hossain MN. (2021). Association of low Serum Magnesium level with in hospital adverse outcome in patients with Acute Myocardial Infarction. *J Inv Clin Cardiol*, 3(2): 63-71.
8. Uddin N, Khalequzzaman M, Amin MG, Haque ATMM, Islam KN, Chowdhury AW. (2020). Relationship between Coagulopathy and Cardiac Injury in Covid-19-An update. *J Inv Clin Cardiol*, 2(2): 58-64
9. Ali M, Khan F, Sarker S, Bashar AHM, Chowdhury AW. (2021). Appearance can be Deceptive- A Case Report on Central Venous Line Complication. *Cardiovasc. J*, 14(1): 73-5.
10. Chowdhury AW, Saleh MA, Hasan P, Amin MG, Sabah KM, Islam KN, Ahmed M. (2018). Protein C Deficiency Causing Recurrent Myocardial Infarction in a Young Male. *Mymensingh Med J*, 27(3): 658-664.
11. Chowdhury AW, Haque A, Hosen AI, Md Salim GU, Islam KN, Amin MG, Hoque ATMM, Md Khalequzzaman, Hasan P. (2021). A Rare Combination of Complex Congenital Heart Disease with Acquired Rheumatic Valvular Heart Disease. *Cardiovasc. J*, 13(2): 235-8.

## **Books:**

1. Clinical and Practical handbook of Cardiology. Author: Dr. Kazi Nazrul Islam (Assistant Professor); Contributing Editor: Professor Abdul Wadud Chowdhury.

## **Ongoing Research:**

Dr. Dhriti Das

Relation between eGFR and in hospital outcome of ST segment elevation myocardial infarction after treatment.

Session March 2023

01711947483

Name : Effat Ara Alam

Thesis title: Association of Precise DAPT score with angiographic severity in NSTEMI patients

Session: september 2023

Contact no : 01733442655

Dr. Md. Nazmul Islam

MD phase-B

Session-march'2021

Title- Association of waist circumference with angiographic severity in patients with acute ST elevated myocardial infarction

Dr.Md.Rezaul karim

MD(Cardiology)Thesis

Session-July 2011

Title:Association of CHA2DS2-VASc Score with Angiographic severity of CAD by Gensini score in patient with NSTEMI in tertiary level hospital of Bangladesh.

Cont.01712182241

Dr. Md. Golam Mostafa

MD (cardiology)

Session, March 2020

Thesis Title: "Association between Lymphocyte to Monocyte ratio and Angiographic Severity of Coronary Artery Disease in Patients with Chronic Coronary Syndrome"

Dr. Mohammad Mahmudur Rahman

MD (Cardiology)

January 2025

Thesis Title: ECG changes in dengue patients

Dr.Mohammed Mosiur Rahman

MD (Cardiology) Thesis

Session: July'2013

Protocol Title: Relationship between Mean Corpuscular Volume and Severity of Coronary Artery Disease in Chronic Coronary Syndrome  
Contact: 01711235847

Dr. Md. Sazedur Rahman

MD (Cardiology)

Session - March, 2022

Thesis Title: Association Between Left ventricular global longitudinal strain and angiographic severity in patient with Chronic coronary syndrome

Mob No: 01723576473

Dr. Debashish Debnath

Thesis Title: Association of LA strain with severity of CAD in NSTEMI patient

01734065394

Dr. Saud Bin Khairul Anam

Correlation Between serum Procalcitonin & Coronary artery disease severity in ACS patients

January, 2026.

01729608704

Dr.Kazi Sefayet Enam

Association between Right Ventricular Free Wall Strain and Angiographic Disease Severity of Proximal Right Coronary Artery in Patients with Chronic Stable Angina

01673161166

Dr. Md. Abu Raza Hasibul Hassan

Association of Subclinical Hypothyroidism among Patients of Heart Failure with Preserved Ejection Fraction.

01778861500

Dr. Md. Jashim Uddin

MD (Cardiology)

Passing Year: 2025 (January)

Session: March 20 16

Thesis Title: Association of Systemic Immune-inflammation Index with Contrast-Induced Acute Kidney Injury in Patients Undergoing Coronary Angiography

Cell Number: 01912142340

Dr. Md. Shahidul Islam

MD (Cardiology)

Passing Year: 2024 (January)

Thesis title: Association of C-reactive protein to albumin ration with angiographic severity of coronary artery disease in patients with chronic coronary syndrome

Dr. Md. Enamul Hoque Khan

Session -March 2017

Thesis Title: Association of metabolic syndrome with angiographic severity of coronary artery disease in patients with ST segment elevation myocardial infarction

Dr. Md. Saifur Rahman

Passing year: July 2024

Thesis Title: Relationship Between Systemic Immune-Inflammation Index and Angiographic Severity of Coronary Artery Disease as Assessed by Gensini Score in Patients with Chronic Coronary Syndrome.

Mob: 01734407838

Dr. Hashan Mamunur Rahman

MD Cardiology Phase B final examine July 2025

Thesis Title: Relation of High CHA2DS2-VASc Score With Contrast-Induced Nephropathy Following Percutaneous Coronary Intervention

Mobile No: 01745588290

Dr. Minhaj Rashidur Rahman

FCPS (Final Part Examinee), January 2027

Dissertation Title: The Correlation between Carotid Intima Media Thickness and Serum Lipid Profile in the patient attending in the tertiary care hospital.

Mobile No: 01712278421

**Pictorial:**



**Image 1: Front Lobby of department of Cardiology, DMCH**



**Image 2: Faculties of Department of Cardiology, DMC**



**Image 3: Cath lab Staffs of Department of Cardiology, DMCH**



**Image 4: Celebration of World Hypertension Day**



**Image 5: Inside CCU**



**Image 6: Inside PCCU**



**Image 7: CCU front Gate**

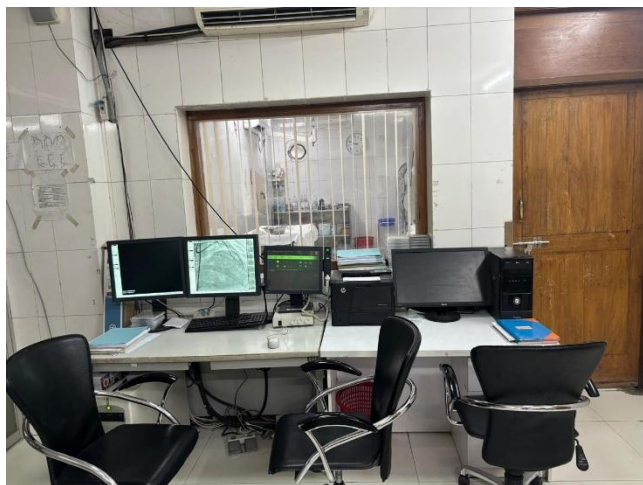


**Image 8: CCU Main Entrance**



**Image 10: Inside Pre Cath Ward**







**Image 11: Echo Room**



**Image 12: Class Room**



**Image 13: Library Room**