

Curriculum Vitae of Professor Dr. Chaudhury Meshkat Ahmed

Personal Information:

Name : Dr Chaudhury Meshkat Ahmed
Father's Name : Late Mr. Dabiruddin Ahmed
Mother's Name : Late Safroz Akter
Date of Birth : 01st January, 1960
Permanent Address : 436, Bara-Maghbazar, Wireless, Dhaka-1217, Bangladesh
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Present Address : 436, Bara-Maghbazar, Wireless, Dhaka-1217, Bangladesh
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NID Number : 644 445 8217
Marital Status : Married
Nationality : Bangladeshi
Religion : Islam

Academic Qualification:

Degree	Institution	Board/University	Year	Division/Pass
SSC	Motijheel Govt High School, Dhaka	Dhaka Board	1975	1 st Division
HSC	Dhaka College, Dhaka	Dhaka Board	1977	1 st Division
MBBS	Mymensingh Medical College	Dhaka University	Jan, 1984	Pass
Diploma In Endocrinology	Dhaka University, Dhaka	Dhaka University	July, 1988	2 nd in merit list.
MD, Cardiology	Dhaka University, Dhaka	Dhaka University	Jan, 1997	Pass

Job/Training Description :

Institution : Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka
Department : Cardiology
Position : Professor and Chairman
Training : In invasive, noninvasive & interventional cardiology
Teaching Experience : 25 years

Training in Cardiology:

Clinical, invasive, and noninvasive	NICVD	1995-April 1999
Clinical	Dinajpur Medical College	April 1999- August 1999
Clinical and noninvasive	Dhaka Medical College	August 1999- February 2001
Clinical, noninvasive, invasive and interventional	BSMMU	February 2001- till date

Teaching Experience in Cardiology:

Assistant Professor (CC)	Dinajpur Medical College	April 1999- August 1999
Assistant Professor (CC)	Dhaka Medical College	August 1999- February 2001
Assistant Professor	BSMMU	February 2001- March 2005
Associate Professor	BSMMU	March 2005 – October 2011
Professor	BSMMU	October 2011 to till date.

Teaching key points:

Involved in teaching for:

- Phase B resident (Cardiology),
- Phase A (Various disciplines of faculty of medicine and surgery.
- Diploma in Cardiology
- Six-month Honorary training for more than 150 physicians.

Examinership in

- PhD (Thesis) BUET for the session 2010.
- MD (Cardiology) and Diploma cardiology, Part II, Part III, Phase A and B Residency programme. (BSMMU)
- MD Phase B Residency programme. (Endocrinology)
- MD Phase B Nuclear Medicine Residency programme. (Thesis).
- MD Phase B clinical and thesis Pediatric Cardiology Residency programme.
- MD Phase B Pharmacology Residency programme. (Thesis).
- MD phase B Physiology Residency programme. (Thesis).
- MD phase B Clinical Pathology Residency programme. (Thesis)
- MD Phase-A Residency programme. (Internal Medicine)
- MD Phase-A Residency programme (critical medicine)
- MD Residency programme General Anesthesia).

Course Coordinator:

- MD (Cardiology) 2002-2004.
- MD (Cardiology) Residency Programme. 2010- 2013.
- MD (Cardiology) Residency Programme. 2023- 2024.

Other Experience in teaching:

- Faculty for South Asia School for Sex Medicine
- Senior Tutor Higher Education Academy (UK) Dec 2024- Feb 2025.
- Tutor Higher Education Academy (UK) Dec 2023- March 2024.
- Focal person in MOU with Zurich Hospital University 2021-2021

Membership in the editorial board of the scientific journals:

- Editor in Chief: University Heart Journal
- Joint Editor: Bangladesh Journal of Echocardiography.
- Member: Editorial board, Pediatric Heart Journal of Bangladesh
- Member: Editorial board Cardiovascular Journal
- Section Editor, BSMMUJ

Reviewer of the journals:

- International journal in the developing countries
- International journal of cardiology
- Bangladesh Heart Journal
- Bangladesh journal of cardiac Ultrasound

Professional Activity Key Points:

Clinical: In Patient, outdoor patients

- Organized and attending Heart Failure clinic and pulmonary hypertension clinic.
- Organized Cardiomyopathy clinic, Arrhythmia & Pacemaker clinic

Noninvasive Laboratory:

- Attending routine cardiac (echocardiography) and vascular Ultrasound.
- Performed and trained Transesophageal echocardiography
- Introduced exercise stress and performed & trained all form of Stress and strain Echocardiography in Bangladesh..
- Collaborated with INM in Nuclear imaging
- Member in the team for organizing and introducing cardiac MRI in Bangladesh.

Cardiac Cath Lab:

- Performed Coronary Angiogram and PCIs
- Performed Vascular angiogram and intervention.
- Performed Carotid and cerebral angiogram
- Performed Diagnostic Cardiac Catheter for congenital heart disease
- Performed cardiac catheterization for hemodynamic assessment (pulmonary hypertension)
- Performed intervention in structural heart disease (pulmonary balloon valvopathy and Coarctation of aorta)
- Introduced and performed invasive diagnostic work out for Budd Chiari syndrome.

Key responsibility:

- Head Heart Failure, Cardiac Rehabilitation and Preventive Cardiology Division. (Nov 2021 - till date)
- Head Interventional Cardiology (June2023-April 2024)
- Chairman Department of cardiology June 2023 – till date)

Training workshop/ Work shop on echocardiography) as trainer/ resource person:

- NHFRH: 30 Nov 2024
- Department of Anesthesia (BSMMU): OCT 2019
- Department of pediatrics ICDDRDB (Dec 2019)
- Department of Critical Medicine Square hospital (Jan 2019)
- NHFRH (Nov30 2018)
- NHFRH (Nov30 2017)
- Department of cardiology SSMCH (Dec 2016)
- Lab Aid Hospital (Dec 2012)
- Department of cardiology BIRDEM (2006)

Experience in Quality Assurance:**1. Training/workshop on Quality Assurance attended as participant (starting with the latest)**

QA Areas	Organized by	Year & Duration
Teaching Excellence Program	UGC, British Council	Dec 2022 – March 2023
1. Bangladesh National Qualifications Framework (BNQF) 2. Accreditation Standards & Criteria	BAC	09-10/6/2021
Training Workshop on External Quality Assessment Process	BAC	23-02-2020
Self-Assessment concept technic of Assessment of student LO	IQAC, BSMMU	30-12-2016

2. Training/workshop on Quality Assurance organized as resource person (starting with the latest)

QA Areas	Organized by	Year & Duration
Work Shop on Outcome Based Education (OBE) Curriculum	IQAC,BSMMU	10-12-2024
Outcome Based Education (OBE) Curriculum Improvement; & Evaluation	IQAC, JUST	10-09-2024
Outcome Based Education (OBE) Curriculum Improvement; & Evaluation	IQAC, JUST	29-05-2024

Teaching Excellence Program (Facilitator/tutor)	UGC, British Council	Dec 2023 – Mar 2024
Outcome Based Curriculum Development	IQAC, BSMMU	04.05.2023
Transformation of Present Curriculum to Outcome Based Curriculum	IQAC, BSMMU	30.12.2021

3. Other experience that best illustrates my capability as QA professional (starting with the latest)-

- a. Achieving the status of Fellow Higher Education Academy (FHEA) in recognition of attainment against the UK professional standard frame work for teaching and learning support in higher education.
- b. Evaluation of final report of BAC research project July 2024
- c. Evaluation of research proposal of BAC research project (2023-24)
- d. Evaluation of research proposal of BAC research project (2024-25)
- e. Head self-assessment committee for the department of cardiology.
- f. Lead in formulation of Self-assessment report and Improvement Plan for cardiology department
- g. Lead in formulation of OBE curriculum for cardiology department

4. National Policy making- Member of UGC committees for

- a) OBE Curriculum (revised template)
- b) Curriculum designing modules for teachers.
- c) Policy for blended learning in higher education.

Research in Degree (as supervisor/guide / co-supervisor/co-guide):

- 1. PhD (BSMMU). Genetic of atrial fibrillation in Bangladeshi population. (Dr Fakrul Islam Khaled, session 2023)
- 2. PhD (BSMMU). Use of Bicycle ergometer to reveal cause for unexplained shortness of breath in patients with post covid syndrome. (Dr. DMFF Osmany, Session 2022)
- 3. PhD (BSMMU). Angiotensin 2 receptor detection as early marker for heart failure in patients with CCS. (Dr Raheel Zinnat, session 2022)
- 4. PhD (Dhaka University) Demographic, Socio-Economic & Nutritional factor for hospital re admission in patient with chronic heart failure, Dr Arju Jahanara, DU, 2018 session.

5. MD (Cardiology) frequency and associations of iron deficiency in patients with heart failure attending a tertiary Centre. Dr, Subash, awarded in 2024).
6. MD (Cardiology) Association of RV-PA (right ventricular- pulmonary) uncoupling with adverse outcome of heart failure with reduced ejection fraction patients. (Nitya Chandra Ghosh, Secession 2024-25)
7. MD (Cardiology) Comparison of level of anti pro BNP in patients with stage 3 Chronic Kidney Disease with or without heart failure presenting in tertiary hospital at Dhaka. (Shuva Basnet, awarded in 2024).
8. MD (cardiology) Role of ivabradine on heart rate and Quality of Life in Patients with mitral stenosis in sinus rhythm-A Randomized Controlled Trial. (Sheikh Fayeze Ahmed, Awarded 2024)
9. MD (cardiology) Status of high sensitivity Creative protein statin treated patients of acute coronary syndrome achieving target LDL-c level. (Sudir Saha Prashad, Awarded in 2023)
10. MD (cardiology) Frequency and attributes of right ventricular Dysfunction in Patients of old Myocardial infarction having reduced ejection fraction. Kawsar Alam, Awarded 2023)
11. MD (Cardiology) Association of microalbuminuria in Nondiabetic and non-hypertensive patients with acute myocardial infarction. (Md Al Amin, Awarded in 2023)
12. MD (Cardiology) Comparison of Angiographic Pattern & Complexity of Coronary Artery Disease between Diabetic and Nondiabetic women with Acute Coronary Syndrome. (Dr, ANM Ashiq Ur Rahman, awarded in 2023)
13. MD (Cardiology) Correlation of plasma NT pro BNP level with global left ventricular longitudinal strain in patients with NSTEMI with preserved ejection fraction. (Sheikh Nafis Kabir, awarded in 2023)
14. MD (Cardiology) Correlation between the Serum Alkaline Phosphatase level and Angiographic Severity of Coronary Artery Disease in Patients with Chronic Coronary Syndrome. (Dr, Swadesh Kumar Saha, awarded in 2023)
15. MD (Cardiology) Correlation between B line in lung ultrasound and plasma NT-pro BNP level in patients with acute heart failure. (DR. Hasan Zaman, Awarded in 2022)

16. MD (Cardiology) Comparision between in left atrial appendicular emptying velocity and right atrial appendicular emptying velocity in patients with moderate to severe rheumatic mitral stenosis. Dr. Guwtom Chandra Bhumique, BSMMU, 2018, Completed
17. MD (Cardiology) Role of exercise echocardiography to predict coronary artery disease. Dr. Porlob Kumar Bhisush, BSMMU, 2018, Completed.
18. MD (Cardiology) Assessment of fluid status in patients with Stage-C congestive heart failure undergoing medical therapy using clinical score and Sonography. Dr. Jannat Nahar, BSMMU, 2017, Completed.
19. MD (Cardiology) Frequency and Magnitude of Subclinical Systolic Dysfunction by Strain Imaging in Heart Failure with Preserved Ejection Fraction. Dr. Mohamed Mausool Siraj, BSMMU, 2017, Completed.
20. MD (Cardiology) Detection of Early Cardio toxic Effect of Doxorubicin containing Regimen in Oncology Patients. Dr. Ananda Khanal MD (card), BSMMU, 2017, Completed.
21. MD (Cardiology) Frequency of Inducible Myocardial Ischemia in patients with Cervical Spondylosis having Typical Chest Pain. Dr. Eshita Ashab, MD (Card.), BSMMU, July-2016, published.
22. MD (Cardiology) Noninvasive Evaluation of Coronary perfusion by Transthoracic Doppler Echocardiography in Patients with Anterior Myocardial Infarction before Coronary Intervention. Dr. Sabindra Bhupal Malla, MD (Card), BSMMU, January- 2016, published.
23. MD (Cardiology)Correlation Between Myocardial Strain by 2D Speckle Tracking Echocardiography and Angiographic Severity of Coronary Artery Disease in NSTEMI Patient. Dr. Md. Al Amin, MD (card), BSMMU, January- 2015, published.
24. MD (Cardiology) Use of Right ventricular relaxation time to predict systolic pulmonary arterial pressure. Dr. DMM.Faruque Osmany, MD (Card.), BSMMU, January- 2014, published.
25. MD (Cardiology) Echocardiographic study of pattern and severity of mitral regurgitation in patients with different types of myocardial infarction. Dr. Arif Hossain, MD (Card.), BSMMU, January- 2013, published.
26. MD (Cardiology) Echocardiographic Assessment of Concordance between Mechanical and Electrical Desynchrony in Heart Failure patients with Cardiomyopathy using Tissue

Doppler Strain and Tissue Synchronization Imaging. Dr.S.M. Nahid Morshed, MD (Card), BSMMU, January- 2013, published.

27. MD (Cardiology) Echocardiographic assessment of myocardial viability and prediction of left ventricular functional recover in acute myocardial infarction patient using strain and strain rate. Dr.Md. Arif Mohammad Sohan, (MD Card), BSMMU, January- 2013, published.
28. MD (Cardiology) A Study of changes in various Echocardiographic parameters in patients with chronic stable angina undergoing percutaneous coronary intervention (PCI). Dr. Mohammad Moubarak Hossain, Phase-B, BSMMU, January- 2012, published.
29. MD (Cardiology) Comparison between 2-Dimensinal and 3-Demensional Echocardiographic scoring in prediction success of percutaneous transluminal mitral commissurotomy. Dr. Faisal IBN Kabir, (MD-Card), BSMMU, January- 2012, published.
30. MD (Cardiology) Study on Coronary sinus filling of assess coronary microcirculation in patients having angina with normal coronaries. Dr. Md. Fakhr'll Islam Khaled, MD(card), BSMMU, January- 2012, published.
31. MD (Cardiology) Echocardiographic evaluation of right ventricular function in patients with types 2 diabetes mellitus. Dr. Samsun Nahar, MD (Card.), BSMMU, January- 2012, published.
32. MD (Cardiology) Comparison between 2D and 3D echocardiographic parameters used for diagnostic and therapeutic purpose in patients with rheumatic mitral stenosis. Dr.Shiblee Sadequee Shakil, MD (Card.), BSMMU, January- 2011, Published.
33. MD (Cardiology) Pattern and Extent of Tricuspid Valve Involvement in Chronic Rheumatic Heart Disease. Dr. Mohammad Bazlur Rashid, MD (Card.), BSMMU, January- 2010, Published.
34. MD (Cardiology) Value of ST Segment changes in 12 Led ECG to Detect Proximal versus Distal Right coronary artery occlusion I acute Infero-posterior Myocardial Infarction. Dr. Mustansir Haque, BSMMU, 2009, Completed.
35. MD (Cardiology) Correlation Between Electrocardiographic Findings and Pulmonary Hypertension in Patients with Mitral Stenosis. (Quazi Arif Ahmed , Awarded in 2009)

36. MD (Cardiology) Study of QT dispersion immediately after test Improves sensitivity and specificity for diagnosis of coronary artery disease. Dr. Mollah, BSMMU, January- 2008, published.
37. MD (Cardiology) Echocardiographic Assessment of Aortic stiffness in predicting coronary artery disease. Dr. Md. Mostafizur Rahman, MD (Card.), BSMMU, January- 2008, published.
38. MD (Cardiology) Mitral annular calcification detected by transthoracic Echocardiography is a marker for high prevalence and severity of coronary artery disease. Dr. Md. Durul Hoda, MD (Card.), BSMMU, January- 2008, published.
39. MD (Cardiology) Accuracy of exercise tolerance test (ETT) to diagnose coronary artery disease in Bangladesh population. Dr. Rakhal Chandra Devnath, MD (Card.), BSMMU, January- 2007, published.
40. MD (Cardiology) Diagnosis of heart failure by using plasma B type natriuretic peptide. Dr. Mohammed Safiul Alam, MD (Card.), BSMMU, January- 2007, published.
41. MD (Cardiology) Correlation of hemodynamic and ECG changes in recovery phase of ETT with Angiographic coronary artery disease. Dr. Md. Ashraful Haque, MD (Card.), BSMMU, January 2007, Published.
42. MD (Cardiology) Study on Association of Cardiac Ischemic score with Coronary Collateral Circulation, Dr. Jahanara Arzu, MD (Card.) BSMMU, January 2007, Published.
43. MD (Cardiology) A Study of the correlation between severity of artery stenosis and Myocardial tomography (SPECT). Dr. SM Mustafa Zaman, MD (Card.), BSMMU, January 2005, Published.
44. MD (Cardiology) Evaluation of left atrial appendage function patients with mitral stenosis by trans esophageal Echocardiography. Dr. Abu Tarek Iqbal, MD (Card.), BSMMU, January-2005, Published.
45. MD (Cardiology) Study of left ventricular end diastolic pressure with Doppler and invasive hemodynamics in coronary artery disease patients. Dr. Biplob Battacharjee, MD (Card.), BSMMU, January 2005, Published.
46. MD (Cardiology) Left ventricular diastolic dysfunction in Impaired glucose tolerance (IGT). Dr. AKM. Mohi Uddin Bhuiyan, MD (Card.), BSMMU, January –2005, Published

47. MD (Cardiology) Evaluation of left ventricular systolic function using Doppler myocardial performance index (tie-index) in patients with systemic hypertension. Dr. Haripada Sarker, MD (Card.), BSMMU, January –2005, Published.
48. MD (Cardiology) Association of intima-medial thickness of peripheral arteries and its correlation with the extent of coronary artery disease. Dr. Khawar Naveed Siddiqui, MD (Card.), BSMMU, January –2005, Published.
49. MD (Cardiology) Evaluation of exercise myocardial perfusion gated single photon emission compute and tomography (sect) in the detection of coronary artery disease. Dr. Pradip Kumar Karmakar, BSMMU, January-2002, Published.
50. MD (Pediatric Cardiology) Assessment of atrial sepal defects three-dimensional transthoracic echocardiography prior to percutaneous device closure. Dr. Sontosh Kumar Shaha, BSMMU, 2016, published.
51. MD (Nephrology) Incidence of Infective Endocarditic among Hemodialysis population, a single center study. Dr. Md Zakir Hossain, BSMMU, 2012, Completed.
52. MD (Neurology) Atherosclerotic disease of the aortic arch as risk factor for ischemic stroke. Dr. Sheuli Majumder, BSMMU, 2006, Completed.
53. MD (Nuclear Medicine) Comparative study of dobutamine stress echocardiogram with myocardial perfusion imaging for detection of coronary artery disease. Dr. Nasrin Sultana, INM, 2004, Published.
54. MD (Nuclear medicine) Role of Myocardial perfusion imaging. in diabetic and non-diabetic patients. Dr. Sharmeen Kuddus, INM, 2004, Published.
55. MS (Cardio-thoracic surgery) Frequency of Para Prosthetic Leakage in mechanical prosthetic mitral valve insertion by different suturing technique. (Dr. Wahida Salam, BSMMU, 2014, Completed.)
56. MS (Cardio- thoracic surgery) A Comparative study of short and midterm outcome of mitral valve replacement with or without preservation of subhauler apparatus in patients with rheumatic valvular disease. Dr. Sabrina Sharmeen Husain, BSMMU, 2010, Published.

57. FCPS (Cardiology) Echocardiographic changes in patients with hyperaldosteronism having anti-hypertensive treatment. (Dr. Nasiruddin Shuvo, session 2024)
58. FCPS (Cardiology). Pattern of the coronary risk factors in the young patients with coronary artery disease attending a tertiary Centre.
59. FCPS (cardiology). Sub clinical left ventricular changes in patients with typical angina and normal coronary arteries in a tertiary Centre.
60. FCPS (Medicine) Echocardiographic patterns in patients with Systemic Lupus erythrometosis. (Nahid Shazzad, Awarded in 2011.
61. M Phill (Clinical pathology) Association of platelet parameters in acute coronary syndrome before and after antiplatelet therapy, Dr. Shilpi Parveen, BSMMU, 2009, Published.

Scientific Research Projects Under Grant

1. Association of general and central obesity with cardiovascular diseases in Bangladeshi cohort.
Funding Agency: BANBEIS, 2024.
2. Understanding the post intervention-TB Cardiopulmonary sequel in Dhaka, Bangladesh.
Funding Agency: USAID. 2024.
3. Affordable Cardiac Rehabilitation: An Out Reach Inter-Disciplinary Strategic Study (ACROSS)
Funding Agency: Research and Innovation for Global Health Transformation (RIGHT) Programme NIHR 205540
4. Efficacy of dopamine, epinephrine and blood transfusion for treatment of fluid refractory shock in children with severe acute malnutrition or severe underweight and cholera or other dehydrating diarrhea.
Funding Agency: Well Come Trust, 2023
5. Hospital-based quasi-experimental study on Hydroxychloroquine pre-exposure prophylaxis for COVID-19 in the healthcare providers with its potential side-effects.
Funding Agency: ICDDR.B.
6. Features and factors of Covid 19: A longitudinal study from Bangladesh.
Funding Agency: USAID, 2022.
7. Frequency of sub clinical left ventricular dysfunction in patients with mitral stenosis
Funding Agency: Research cell, BSMMU,2022

8. Frequency of sub clinical left ventricular dysfunction in patients with Covid 19.
Funding Agency: Research grant cell, BSMMU.2022
9. Detection of residual pulmonary hypertension in patients with Covid 19.
Funded Agency: Research grant cell, BSMMU, 2022,
10. Prevalence of atherosclerosis as detected by carotid ultra sound in patients with systemic lupus erythroblasts.
Funding Agency: University Grant Commission. 2015.
11. Prevalence and Risk Factors of coronary heart disease in Urban Bangladesh, A population-based study.
Funding Agency: Ministry of Science and Technology, Government of the People's Republic of Bangladesh. 2013, Published
12. Prevalence and Risk Factors of coronary heart disease in Rural Bangladesh, A population- based study.
Funding Agency: Ministry of Science and Technology, Government of the People's Republic of Bangladesh. 2011, Published
13. Assessment of Glucose tolerance in patients with coronary artery disease in search of appropriate diagnostic level to define impaired glucose tolerance as risk factor for macro-vascular disease.
Funding Agency: University Grants Commission, 2003, Published.
14. Clustering of metabolic factors among the patients with essential hypertension
Funding Agency: University Grants Commission, 2003, Published.

Number of Scientific Presentation: National/International/Oral/poster

1. Presentation on 'Diabetic and hear failure' in Chattogram Cardicon July 2024.
2. Presentation on 'Endocrine Hypertension' in Bangladesh Live 2024 IPDI Cardiovascular Conference, Dhaka, Bangladesh. May 2024.
3. 'Journey Beyond 4D Learning: Redefining and Reimagining Medical Education'. Bangladesh Interventional c³ Conference, Bangladesh Cardiovascular Research Foundation, April 2024.
4. 'Echocardiographic Assessment of Left Ventricular Diastolic function'. Planetary Health Academia Global Summit February 2024.

5. 'GDMT IS MY BEST OPTION'. 4th Society of Cardiovascular Angiographic and Interventional Conference, February 2024.
6. 'Road map from Diabetes to Heart failure: A Comprehensive Update'. 6th International Endocrine Conference, November 2023.
7. 'MPI - Neglected and Under Used in Revascularization'. Bangla Cardio Conference, November 2023.
8. 'Role of imaging in heart failure'. SAARC SUMMIT ON Cardiac Electrophysiology Conference, November 2023.
9. 'Chronic Coronary Syndrome with Medical Management'. Fifth International Conference on Transracial Intervention, September 2023.
10. 'An experience on Structured Echocardiography Learning'. Bangladesh Live 2023 IPDI Cardiovascular Conference, May 2023.
11. 'Heart failure with Preserved Ejection fraction - A Missed Diagnosis'. International conference of APB, Dhaka, Bangladesh. November 2022.
12. 'A clinical epitome of an epidemiological study'. IPDI Preventive Cardicon, Dhaka, Bangladesh, September 2022.
13. 'Organ interactions during heart failure -a brief account', 1st international conference on heart failure, organized by Bangladesh Heart Failure Research Foundation, September 2022.
14. 'Modalities of non-invasive tests for myocardial revascularization'. Conference of Bangladesh Society of cardiovascular Intervention, June 2022.
15. 'Assessment of Right Ventricular Function'. IPDI Cardiocon, March 2022.
16. 'Viability Assessment and Clinical Implication'. IPDI Cardiocon, March 2022.
17. 'Glucose lowering- medication and macrovascular risks: Who's to bless and who's to blame'. BCRF and BIC3 International Conference, February 2022.
18. 'Which stress echo is for whom: Ease your stress'. Bangla Cardio Conference, Dhaka, Bangladesh, December 2021.
19. 'Assessment & Management of Ventricular Systolic dysfunction'. Monthly seminar of Bangladesh Cardiac Society, Dhaka, Bangladesh, July 2021.
20. 'An Approach to The Management of Essential Hypertension'. Webinar on World Hypertension Day, Dhaka, Bangladesh, May 2021.
21. 'Heart Failure with Preserved Ejection Fraction - What we know'. Webinar on National Scientific Conference 2020 by Bangladesh Cardiac Society. February 2021.

22. 'Mitigating cardiovascular risk in T2DM with antidiabetic drugs: Data from cardiovascular outcome trials'. Fourth Annual conference of ACEDB, December 2020.
23. 'The unsung Equation ED=ED'. Webinar of Bangladesh Heart Research foundation, August 2020.
24. 'Optimizing GLP-1 therapy benefit with Liraglutide in T2DM'. GLP-1 scientific update meeting, CMH, Dhaka. February 2020.
25. 'Assessment of LV Systolic Function BY Echocardiography'. Bangla Cardio Conference, December 2019.
26. 'Heart failure in diabetes'. 2nd International Endocrine Conference by Bangladesh Endocrinology Society, November 2019.
27. 'Left Ventricular Failure with preserved ejection fraction: one size does not fit all'. International conference on echocardiography, Dhaka, Bangladesh. October 2019.
28. 'Diabetes and hypertension: a double edged sword'. South East Asian Diabetes Foundation Conference, October 2019.
29. Debating the choice of vascular access in PCI. Ibrahim Cardiac Conference on international Cardiology, Pan Pacific Sonargaon, Dhaka 21 June 2019.
30. "Role of Echocardiography in critical Care patient" National Heart Foundation Conference on Cardiovascular disease-2018 1-2 December, Dhaka.
31. When the right is wrong along with a wrong Left second in international Conference on Echocardiography, Pan Pacific Sonargaon, Dhaka, October 2018.
32. Echo evolution of hemodynamically unstable patient. International Conference on critical care medicine CRITICON Bangladesh March, 8th 2018 (MCH II, BICC).
33. Once we have Started looking at the right ventricle. EZ Echo{8} (session BECON) 19th April 2018, Kolkata.
34. LEADER&DEVOTELV implications impacting Outcomes by minimizing CV risk and hypoglycemia, 24th October 2018 Conference or NNDM (Novo Nordisk Diabetic Update BRAC) Saver, October 21th 2018.
35. Debates on Echo: Stress Echo vs CT Angiogram, International Conference on Echocardiography Pan Pacific Sonargaon, 12-13, 2017.
36. Once we have started looking at the right Ventricle: National heart Foundation Conference on

Cardiovascular disease, 2017, 1-2 December

37. "PCI in ecstatic vessel" BIT Conference Hotel Radisson, Dhaka 10th February 2017.
38. Road to quantification's left Ventricular Systolic function, National heart Foundation conference on cardiovascular disease, 2016 Dhaka 1-2 December.
39. Higher Cardiac risk detection: Does it lead to window of curability, September 23, 2016 Beijing, China 20th world meeting on sexual medicine.
40. Improving Cardiovascular outcomes in type diabetes 20th November 2008.
41. Prevention of cardiovascular Complications In Diabetes, Novo Nordisk Diabetes Update 2017, 14 December 2007 Dhaka, Bangladesh.
42. Insulin resistance and vascular disease: the role of insulin beyond the risk factors, Symposium on Metabolic Syndrome, Friday 13th August 2004 Venue LGED Auditorium, Dhaka.
43. Multifactorial intervention in type 2 diabetes mellitus and Cardiovascular risk 9th Diabetes & Endocrine Conference 18th December 2003 Dhaka, Bangladesh.
44. Role of infection and inflammation in atherosclerosis Eighth Diabetes & Endocrine Conference, December 2002 volume 30, Suppl.
45. Pattern of referral for Trans-Esophageal Echocardiography (TEE) in a Multi-Disciplinary Hospital and their outcome. 24th Annual General Conference, 24th December 2002 BCPS, Auditorium Mohakhali, Dhaka, The Chest and Heart Association of Bangladesh.
46. Validity and comparison of different Doppler Echocardiographic method of estimation of pulmonary artery pressure, First National Conference on Echocardiography in Bangladesh, Friday, September 21, 2001.
47. Prevalence of Doppler Detected Valvular Regurgitation in Patients with Thyrotoxicosis, First National Conference On Cardiovascular Diseases 10th June, 1997.
48. In Hospital Study of Effect of Aspirin Alone Versus Aspirin and Heparin in Patients with Unstable Angina, First National Conference On Cardiovascular Diseases 10th June, 1997.
49. Study of Renal Arteries in Hypertensive Patients During Coronary Arteriography, First National Conference On Cardiovascular Diseases 10th June, 1997.
50. Value of 'C' reactive protein on in-hospital prognosis in patients with unstable angina, National Conference '97 On Hypertension & Cardiovascular diseases.
51. Improvement In Estimation of Pulmonary Artery Pressure By Pulsed Wave Doppler Echocardiography, Fourth International Conference on Cardiovascular Diseases, Dhaka 26-

28 November, 1996 Hotel Sonargaon Dhaka, Bangladesh.

52. Prevalence Of Doppler-Detected Right Sided Valvular Regurgitation in Healthy People And In Patients With Cardiac Diseases, National Conference '95 And Scientific Seminar, Bangladesh Cardiac Society Venue: Hotel Sheraton, Dhaka 09 November 1995.

List of Publications:

International

A. Original Article

1. MD Hoda, ME Hossain, **Chaudhury Meshkat Ahmed**. Comparative Study on Clinical and Echocardiographic Findings in Ischemic Heart Disease Patients with or without Mitral Annular Calcification in a Tertiary Hospital. *Mymensingh Med J.* 2024 Jul;33(3):750-757. [PMID: 38944717](#).
2. Hossain, M.M., Ferdous, J., **Ahmed, C.M.**, Khan, M., Khan, M.H., Begum, M., Masud, M., Faika, J., 2024. Assessment of Cardiac Risk Index in Gynecological Oncology Surgical Patients. *Cardiol. Cardiovasc. Med.* 8, 428–432. <http://dx.doi.org/10.26502/fccm.92920403>
3. Saha, S.K., **Ahmed, C.M.**, Haque, T., Al Mamun, M.A., Hussain, Mohd.Z., 2023. Assessment of atrial septal defects using 3-dimensional transthoracic echocardiography prior to percutaneous device closure: first report from Bangladesh. *Ther. Adv. Cardiovasc. Dis.* 17, 17539447231193290. <https://doi.org/10.1177/17539447231193290>
4. Hoque, M.S., **Ahmed, C.M.**, Osmany, D.-E.-M.M.F., Sowdagar, M.N.H., Banerjee, S.K., 2023. Evaluation of Subclinical Left Ventricular Systolic Dysfunction By Global Longitudinal Strain Using 2D Speckle Tracking Echocardiography in Angina With Normal Epicardial Coronary Arteries. <https://doi.org/10.15420/japsc.2022.43>.
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C. Abstract Published in journal (Conference paper):

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B. Case Report

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2. NK Ghosh, **CM Ahmed**, A Chronic Heart failure patient presented with pulmonary embolism. BJE 7 (1);2021
3. Samia Rahman, Shamim Ahmed, Rajashish Chakraborty, MA Rahman, **Chowdhury Meshkat Ahmed**, Rana MS, Fariduddin, Ahmed. A 37 years old man presenting with abdominal distention and shortness of breath. BSMMU J 2020; 13; 90-96.
4. Eishita Biswas, Chayan Sinha, **CM Ahmed**. Importance of Echocardiography before initiation of a definitive treatment in a suspected cardiac patient _a case report. BJE. January 2020.
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6. Hasan N, MA Siddique, SK Banerjee, **CM Ahmed**, N Shiekh, H Haque. M Bicuspid aortic valve presenting with severe aortic stenosis and regurgitation- A case report with review. University Heart J July 2013; 9 (1); 64-66'. <https://doi.org/10.3329/uhj.v9i1.19517>
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C. Review Articles:

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2. MFI Khaled, SK Banerjee, T Parvin, DK Adhikary, **CM Ahmed**, MA Siddique, MFI Kabir, MM Hossain, MA Rahman, LMT Islam, ATM Iqbal Hasan. Coronary microvascular dysfunction: An under appreciate segment of coronary artery disease. University Heart J July 2013; ((2) ; !) &-111. <http://dx.doi.org/10.3329/uhj.v9i2.23432>
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5. Fazlur Rahman, Bikash Subedi, Anisul Awel, KMHS Sirajul Haque, Md Abu Siddique, Sajal Krishna Banerjee, MD Safi Uddin, **Chowdhury Meshkat Ahmed**, Syed Ali Ahsan., MS Khurshid Ahmed, MD Mukhlesur Rahman, Md Ashrafuddin Sultan, Md A Rashid, Mohammed Salaman. Stem Cell therapy- An Update. University Heart Journal. 2008; 4(2): 46-48. <http://dx.doi.org/10.3329/uhj.v4i2.2076>
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D. Abstract

1. **CM Ahmed**, MZ Alam. Improving Cardiovascular outcome, the type 2 diabetes. Diab Endocr J. 2008; 37(Suppl): 50-53
2. **CM Ahmed**, KMHS Haque. Multifactorial intervention in type 2 Diabetes Mellitus and Cardiovascular risk. Diab Endocr J. 2003; 31(Suppl): 49-51
3. **CM Ahmed**, MA Rahman. The role of infection and inflammation on atherosclerosis. Diab Endocr J. 2002; 30(Suppl): 45-46
4. Nasreen Sultana, MF Kabir, Sajal Banerjee, **C Meshkat Ahmed**. Dobutamine Stress echocardiography and SPECT-MPI to detect myocardial viability - A Case Report. Bangladesh J Nucl Med. 8(1): 46.
5. B. Bhattacharjee, A Siddique, KM F Rahman, **CM Ahmed**, RSR Biswas. Correlation of Doppler Echocardiography with cardiac catheterization in estimation of left ventricular end diastolic pressure in coronary artery disease. September;2012;10.13140/RG.2.1.2314.6001.
6. **Ahmed, C. M.** (2023). Heart failure with preserved ejection fraction (HFpEF): A missed diagnosis. Bangladesh Journal of Medicine, 34(20), 181–182. <https://doi.org/10.3329/bjm.v34i20.66117>

E. Editorial

1. Arzu, J., & **Ahmed, C. M.** (2024). Awareness on MINOCA. University Heart Journal, 19(2), 35. <https://doi.org/10.3329/uhj.v3i1.73693>.
2. **Ahmed, C. M.**, & Sultan, M. A. U. (2022). COVID Heart: Fact or Friction. University Heart Journal, 18(2), 71. <https://doi.org/10.3329/uhj.v18i2.62673>.
3. **Chaudhury Meshkat Ahmed** and Md Ashraf Uddin Sultan. Editorial- The context of stich trial: Viable or not viable, does it matter before revascularization? University Heart J July 2021;17 (2);79-80. <http://dx.doi.org/10.3329/uhj.v17i2.54361>.

Membership of Professional Society:

- Life member of Bangladesh Cardiac Society
- Life member, Bangladesh Society of Echocardiography
- Life member, Bangladesh Society of Interventional Cardiology
- Life member, Association of Physician Bangladesh
- Life member Bangladesh Endocrine Society

Specific responsibility held in the BSM University

1. Member central curriculum committee
2. Member committee, research grant for students of phase B residency programme.

Specific responsibility assigned by UGC Bangladesh. Govt.: National policy level

1. Member expert committee for module on curriculum for foundation course for the teachers in the university, 2022.
2. Member expert for outcome-based curriculum revised template committee.2021
3. Member Expert committee for policy for blended learning for higher education.2021

Awards

1. National award on outstanding contribution in Echocardiography; BSE Award 2017.
2. Dedication in teaching: Global Award by World Education Congress. "Hundred Most Dedicated Professor". Mumbai July 2019.
3. Best scientific paper (Oral presentation) award- BSMMU research day 2022
4. Fellow Higher Education Academy (FHEA): awarded by Higher Education Academy, UK.

