



GOVT. OF THE PEOPLE'S REPUBLIC OF BANGLADESH
DEPARTMENT OF ENDOCRINOLOGY & METABOLISM
DHAKA MEDICAL COLLEGE & HOSPITAL, DHAKA.



Introduction of the department:

Department of endocrinology started its journey in 2008. Since its inception, the department of endocrinology is serving patients through inpatient & outpatient department. Also helping to manage patient of other department when they seek for it. Despite of certain limitation, it is providing highest service to patient with endocrine disease at govt level. In addition to giving treatment to the patient, it is serving as a Centre of manpower development in the field of endocrinology. Department is conducting MD course in endocrinology under BSMMU since 2018. It is accredited by BCPS for full duration training for FCPS in Endocrinology & metabolism.

Department of endocrinology also involved in patient education regarding healthy behavior & conducting program for public awareness through training session, miking, distributing leaflets & different seminar & symposium.

Establishment Year : 2008

Number of Unit: 02.

Details of Each Unit

Name of Unit	Unit - 1	Unit - 2
Number of Bed	14 (Male- 7, Female -7).	14 (Male- 7, Female -7).
Number of Ward	02 (Male- 502, Female- 702)	02 (Male- 502, Female- 702)

ORGANOGRAM (NAME & DESIGNATION)

Faculties

- **Professor: (01)**
 - Prof Dr. Indrajit Prasad

- **Associate Professor: (02)**
 - Dr. M Saifuddin
 - Dr. Mirza Sharifuzzaman (in situ)
 - Dr. Moinul Islam



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➤ **Assistant Professor : (03)**

- Dr. Md Firoj Hossain
- Dr. Kamalesh Chandra Basu (Attached)
- Vacant
- Vacant

➤ **Registrar (02):**

- Dr. Farzana Haque
- Dr Muktadir Hossain

➤ **Medical Officer/AR/MO:**

- Assistant Registrar (02)
 - Dr. Md Abdul Momin
 - Dr. Adnin Mourin
 - Dr Md Humayun Kabir
- Medical officer (01):
 - Dr. KM Istiak Rohan
 - Dr. Md. Mahmud Hasan (Attached- 6th Grade)
 - Dr. Anaya Saha Banna

CLINICAL STATISTICS

OPD (Out Patient Department)

Total no of Patient Attended at OPD: 7040 (1st January 2024- 30th November 2024)

Top five Diseases:

Name of the Disease	No of Patient	Operation/ Procedure
Type 2 DM	3790	
Thyroid disorders	2012	
PCOS	836	
GDM	827	
Obesity	546	



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OPD Clinics:

Following clinics are conducted at OPD

1. Diabetes Mellitus Clinic
2. Young Diabetes clinic
3. Gestational DM Clinic
4. Thyroid clinic
5. Short Stature (Growth disorder) clinic
6. PCOS Clinic
7. DSD clinic
8. Obesity clinic
9. DSD (Endocrine) clinic

INPATIENT DEPARTMENT (Unit Wise)

Name of the Unit: 01

Total Admission No. (January 2024- November 2024)	Operation/ Procedure	Death (%)	No.	DORB (%)	No.	Referral No.(%)
952		0.2		0.5%		78 (8.1%)

Name of the Unit: 02

Total Admission No. (January 2024- November 2024)	Operation/ Procedure	Death (%)	No.	DORB (%)	No.	Referral No.(%)
935		0.3		0.6%		73 (7.8%)

Top five Diseases:

Name of the Disease	No of Patient	Operation/ Procedure
DM with complication	123	
Uncontrolled DM	27	
Thyroid disorders	39	
DSD	23	
Adrenal disease (Mass/ Cushing/Addiosns)	21	



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Under Graduate Course:

Six lecture classes were allocated for the department of endocrinology.

Post Graduate Course:

1. MD (Endocrinology & Metabolism) under BSMMU
2. FCPS for Part II final
3. Placement of postgraduate students from other discipline

ACADEMIC ACTIVATES:

Morning Session:

1. Regular morning sessions are conducted for clinical discussion.

Case presentation:

1. Clinical students present academically important case/ difficult cases once in every week (Every Thursday) followed by discussion.
2. Present academically important case/ difficult case in the central presentation as per schedule

Journal club:

1. Department of Endocrinology conduct journal club weekly (Every Monday).

Lecture class:

1. Faculty takes lecture for both Phase A & Phase B MD student & Part II FCPS students & trainees.

Bed side clinical class:

1. Bed side clinical classes are taken twice weekly for phase A & Phase B & FCPS Part 2 students.



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CME:

1. Department of endocrinology participate actively in the CME organized by medical education unit & presented their part as per schedule.
2. Department of Endocrinology conduct regular CME on concerned issues like management of DM in Ramadan, Management of DM in Hajj, Thyroid disorder management etc.

Celebration of special days:

1. **World Diabetes Day:** like every year, department of endocrinology celebrated world diabetes day with rally, seminar, diabetic screening for free, public awareness program etc.
2. The department also celebrate **World Thyroid Day** every year with seminar, thyroid screening, awareness poster, media coverage etc.
3. Other day like World Osteoporosis Day, World Obesity Day are also celebrated.

National activities:

1. Faculties presented papers in Diabetes & Endocrine Conference of Association of Clinical Endocrinologist, Bangladesh (ACED,B).
2. Faculties presented papers in Diabetes & Endocrine Conference of Bangladesh Endocrine Society (BES).

International participation:

1. Participated in different seminars & conferences virtually organized by different international endocrine bodies like EASD, ADA, AACE. SAFES.

Research & Publication (Vancouver Method):

Completed research by the departments

1. Frequency of Pre-diabetes and Diabetes among Overweight and Obese Urban High School Adolescent Students -Dr. Md. Mahmud Hasan
2. Association of Neutrophil-to-Lymphocyte ratio with high-sensitivity C-reactive protein in overweight and obese individuals -Dr. Abdullah Al Mamun
3. Levels of AMH in PCOS patients of reproductive age & its role in predicting severity of PCOS.- Dr. K M Istiak Rohan



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4. Peak Systolic Velocity of Superior Thyroid Artery in Untreated Thyrotoxicosis due to Graves' disease and Subacute Thyroiditis in a tertiary Care Hospital of Bangladesh- Dr. Ismat Rafeya
5. Correlation of sonographic echogenicity of thyroid parenchyma & Antithyroid antibodies in patients with hypothyroidism- Dr. Humayun Kabir
6. Proportion of patients with adrenal insufficiency taking antifungal medications in a tertiary care hospital- Dr. Aminul Islam
7. Clinical & laboratory profile of patients with Disorder of Sex Development (DSD) in tertiary care hospital- Dr. Kamalesh Chandra Basu
8. Prevalence of primary hyperaldosteronism and clinical characteristics among hypertensive patients in a tertiary care hospital, Bangladesh- Dr. Chirantan Chowdhury
9. Assessment of stimulated growth hormone levels in between primed versus unprimed children in a tertiary care hospital, Dhaka, Bangladesh- Dr. Ashrafi Siddiqua
10. Comparison between recommended Noninvasive screening tool with Nerve conduction study in Diabetic Peripheral Neuropathy Patients in a Tertiary Care Hospital- Dr. Mania Parvin

Ongoing research:

1. Socio-Demographic Characteristics, Behavioral Pattern and Mental Health Status in Gender Dysphoria patients in Dhaka City- Dr. Mosfaquur Rahman Sajol
2. Proportion of Obstructive sleep apnea in Type 2 Diabetes Mellitus persons attending in tertiary care of hospital in Bangladesh- Dr. Sahinoor Siddiqui
3. Iodine nutrition status in patients with autoimmune thyroid disease attending a tertiary care hospital in Bangladesh- Dr. Rusafa Nazia Murshed
4. Comparison of efficacy of carbimazole and cholestyramine combination and carbimazole alone in treatment of newly diagnosed Graves' disease- Dr. Jannatul Aseefen
5. Relationship of Leptin and Adiponectin in Diabetic and Non Diabetic Obese Adult Persons Attending a Tertiary Care Hospital in Bangladesh- Dr. Ebrahim Khalil
6. Assessment of the Diagnostic Potential of Bone resorptive marker beta-cross linked C-terminal telopeptide of type-1 collagen (Beta-CTX1) level as a diagnostic Biomarker of osteoporosis among the post-menopausal women in tertiary care hospital- Dr. Marium Zaman
7. Assessment of BMD in FCPD patients in Tertiary Care Hospital- Dr. Rabia Zaman
8. Comparison of BMD status & fracture risk assessment among the elderly patients with & without type 2 DM- Dr. Sayeda Sultana Fatima
9. Association between Ovarian reserve and Thyroid autoimmunity in women with Hypothyroidism- Dr. Ruchita Aman
10. Assessment of endocrine function before & after surgical intervention of craniopharyngioma in a tertiary care hospital- Dr. Samiha Haque
11. Etiology of short stature in children and adolescents; An experience at a tertiary care hospital in Bangladesh- Dr. Rasel Chowdhury
12. Study of Urinary Nephryn level as a biomarker of Diabetic Nephropathy & its association with albuminuria in Type-2 DM- Dr. Md. Amiruzzaman
13. Effect of time restricted eating on metabolic parameters in overweight & obese adults with type 2 DM- Dr. Umma Halima Azam



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Published papers in 2023- 24:

1. Afroz F, Alam MS², Shabnam M³, Tanim R⁴, Uddin MM⁵, Wahab F⁶, Fatema N⁷, Praad I⁸. Vitamin D, intact parathyroid hormone, and bone mineral density in post menopausal women. J Asoc Clin Endocrinol Diabetol Bangladesh 2024; 3(2):47-52
2. Mustafa SJ, Prasad I, Afroz F, Muhit MS. GAD65 autoantibody positivity and its association with clinical and biochemical parameter among young onset diabetes mellitus. J Asoc Clin Endocrinol Diabetol Bangladesh 2024;3(1): 03-08
3. Rashid M, Das SN, Hasan MM et al. Frequency of Hyponatremia in Adults with Acute Bacterial Meningitis. Mymensingh Med J 2024 Apr; 33(2): 360-364
4. Selim Shahjada, Hossain MF, Alam MS et al. Status of lipid control in Bangladeshi subject with type 2 diabetes mellitus on lipid-lowering drugs: a multicenter, facility-based, cross-sectional study. BMC Endocrine Disorders 2023; 23: 268

Research Grants:

Author	Title	Source
Dr. Md. Mahmud Hasan	Frequency of Pre-diabetes and Diabetes among Overweight and Obese Urban High School Adolescent Students	BMRC, BES
Dr. K M Istiak Rohan	Levels of AMH in PCOS patients of reproductive age & its role in predicting severity of PCOS	BMRC
Dr. Abdullah Al Mamun	Association of Neutrophil-to-Lymphocyte ratio with high-sensitivity C-reactive protein in overweight and obese individuals	BMRC
Dr. Ashrafi Siddiqua	Assessment of stimulated growth hormone levels in between primed versus unprimed children in a tertiary care hospital, Dhaka, Bangladesh	Bangladesh Endocrine Society
Dr. Marium Zaman	Assessment of the Diagnostic Potential of Bone resorptive marker beta-cross linked C-terminal telopeptide of type-1 collagen (Beta-CTX1) level as a diagnostic Biomarker of osteoporosis among the post-menopausal women in tertiary care hospital	Bangladesh Endocrine Society