

**DEPARTMENT OF BURN AND PLASTIC SURGERY,
DMCH**

Activity Report 2022-2024

For Dhaka Medical College Magazine

DEPARTMENT OF BURN AND PLASTIC SURGERY, DMCH

About the department:

The day Bangladesh was born; there was no Plastic Surgeon in the country. Just after liberation of Bangladesh in 1971, BangaBandhu Sheikh Mujibur Rahman, Father of the nation, had invited an American Missionary orthopedic Surgeon Dr. Ronald J Garst from USA to treat the cripple freedom fighter of our great liberation war. Subsequently Dr. Garst brought Dr. Parveiz Bazleil, an Indian Plastic Surgeon from Ludhiana and established the first unit of Plastic and Reconstructive Surgery in Bangladesh in NITOR. Dr. M A Majed and Dr. Samanta Lal Sen were among those who took up the subject as their speciality and started work with him. This was the start of Plastic Surgery services in our country which have flourished in 1981 by the return of Professor Md. Shahidullah, who was an expatriate from UK, joined Dhaka Medical College Hospital. He became the first Bangladeshi Plastic Surgeon and joined by Dr. A J M Salek and Dr. Md. Shahidul Bari, who later put their whole hearted effort to enrich the Plastic Surgery service in this country. Professor Shafaquat Husain Khundkar, a founder of another milestone in Plastic Surgery, came Bangladesh from Australia after completion of WHO fellowship and joined the NITOR Hospital in 1989 and later took the charge of Dhaka Medical College Hospital Plastic Surgery. The present stream line of Plastic Surgeons like Professor Md. Abul Kalam, Dr. Shareef Hassan, Professor Md. Sazzad Khondoker, Professor Md. Kamruzzaman, Professor Md. Ayub Ali, Prof. Rayhana Awwal and many others joined Professor Shafquat to expand Plastic Surgery in the country.

The need of hospital for burn patient in Bangladesh was realized by late Prof. Md. Shahidullah and late Professor Kabir Uddin Ahmed, (Head of the Department of Surgery) and accordingly they started campaigning to establish separate unit for burn and Plastic Surgery patients. After a long struggle, in 2003 a new building adjacent to the Dhaka Medical College Hospital by the name of "50 Bedded Burn Unit Project" was started. This later on expanded to 100 bedded units in 2012 to accommodate more burn and Plastic Surgery Patient. At present 300 bedded tertiary level Burn and Plastic Surgery Department with six stored separate building, six operation theater, four general OT with three operating microscopes, one craniofacial and one emergency service, a rich library with Wi-Fi Connection, 100 seated air-conditioned class room with multimedia, recently established micro surgery lab with ten bench microscopes, well equipped biochemistry lab, five separate units headed by Professor & Associate Professors of Plastic Surgery with separate male, female and pediatric wards in each unit.

Now, one Professor and head of the department (Prof. Bidhan Saker) & four Associate Professors and five Assistant Professors are working with five Post graduate doctors. There are 40 Post graduate students of MS Plastic Surgery and FCPS Plastic surgery. MS Plastic Surgery course started in DMC from 2003. Since, almost all the Plastic Surgeons of the country, have achieved their Post-graduation degree in Plastic Surgery from Department of Plastic Surgery, Dhaka Medical College.

Establishment: September 1981

Units: Total 05(Unit Chiefs)

Green Unit: Prof. Dr. Bidhan Sarker (Head of the Department)

Blue unit: Associate Prof. Dr. Salma Anam

Yellow Unit: Associate Prof. Dr. Tahmina Satter

Red Unit: Associate Prof. Dr. Mohammad Nashir Uddin

Orange Unit: Associate Prof.Dr. Mohammad Kamruzzaman

Faculty:

S L	Name	Designation	Academic Qualification	Mobile Number	E mail
01	Prof. Dr. Bidhan Sarker	Professor & Head	MS(Plastic Surgery)	01715000616	drbidhanplastic@ yahoo.com
02	Dr. Salma Anam	Associate Professor	MS(Plastic Surgery), FCPS(Surgery)	01819002833	salma_anam@ yahoo.com
03	Dr. Tahmina Satter	Associate Professor	MS(Plastic Surgery), FCPS(Surgery)	01819284802	shimuk44@gmail. com
04	Dr. Mohammad Nashir Uddin	Associate Professor	MS(Plastic Surgery), FCPS(Surgery)	01711837187	dr.nashir07@live.co m
05	Dr. Mohammad Kamruzzaman	Associate Professor	FCPS(Surgery), FCPS(Plastic Surgery),MRCS FRCS.	01711226527	dr.kzamanbd@yahoo.com
06	Dr. Kaushik Mallick	Assistant Professor	MS(Plastic Surgery)	01712553118	kaushikmallick55@gmail.com
07	Dr. Md. Salah Uddin	Assistant Professor	MS(Plastic Surgery)	01711421085	salahuddinomar9229@gmail.com
08	Dr. Talukder AGM Zakaria Nazimuddin Jubery	Assistant Professor	FCPS(Plastic Surgery)	01711287850	jubery_dr35@yahoo.com
10	Dr. Riffat Chowdhury	Assistant Professor	FCPS(Plastic Surgery)	01712134527	sakichowdhury@hotmail.com
11	Dr. Mohammad Mazharul Haque	Assistant Professor	FCPS(Plastic Surgery)	01711456397	immhaque@gmail.com
12	Dr. Aleem-Al-	Assistant	FCPS(Plastic	01711544475	aleemalrazeeg@gmail.com

	Razee Khan	Professor	Surgery)		l.com
13	Dr. Md. Ruhul Amin	Assistant Professor	MS(Plastic Surgery)	01712466674	dr.ruhul12@gmail.com

Department clinical activities From January to December 2022

Admission Ratio

	<u>Emergency</u>	<u>OPD</u>	<u>Referral</u>	<u>Total</u>
<u>Attended</u>	<u>1780</u>	<u>8621</u>	<u>985</u>	<u>11386</u>
<u>Admitted</u>	<u>335</u>	<u>663</u>	<u>293</u>	<u>1291</u>
	18.82%	7.69%	29.72%	8.81%

Number of Operations

Routine Operations	Emergency Operations and procedures	With other departments	Total
1537	677	54	2268

Department clinical activities From January to December 2023

Admission Ratio

	Emergency	OPD	Referral	Total
Attended	3885	12749	1189	17823
Admitted	1115	1546	372	3033
	28.7%	12.12%	31.26%	17.08%

Number of Operations

Routine Operations	Emergency Operation and procedures	With other department	Total
2690	1161	35	4336

Daily clinical activities:

DAY	ACTIVITIES			
	Admission & OPD	Round & Ward Activities	Emergency Operation	Routine Operation
Saturday	Red Unit	All Units Except Green	Admission Units of Thursdays & Fridays	Green Unit
Sunday	Orange Unit	All Units Except Blue	Red Unit	Blue Unit
Monday	Green Unit	All Units Except Yellow	Orange Unit	Yellow Unit
Tuesday	Blue Unit	All Units Except Red	Green Unit	Red Unit
Wednesday	Yellow Unit	All Units Except Orange	Blue Unit	Orange Unit
Thursday	Rotatory among all units	All Units Except Rotational operating unit	Yellow Unit	Rotatory among all units
Friday	Rotatory among all units	Emergency activities	-	-

Academic Activities

Undergraduate Course:

1. Lecture class for 5th year students.
2. Ward placement of 5th year students.
3. Block placement of intern doctors.

Post graduate course:

1. MS (Plastic Surgery) Residency and non-residency.
2. FCPS (Plastic surgery)
3. Block placement of residents of other postgraduate course Surgery, ENT, Orthopedic, OMS etc.

Daily academic activities:

DAY	ACTIVITIES
Saturday	Morning session case presentation.
Sunday	Attending central presentation and Lecture class.
Monday	Morning session case presentation.
Tuesday	Journal club presentation and Lecture class.
Wednesday	Morning session case presentation.
Thursday	Topic presentation by students and Lecture class.

Research Activities:

Thesis/Publications:

Name of Principal Investigator	Title	Guide	Duration
Dr Fatama Akter Chowdhury	Outcome of Hatchet Flap for Coverage of Pressure Sore.	Dr. Mohammad Nashir Uddin	2021-2022
Dr. Md. Harunur Rashid	Outcome of VY Tensor Fasciae Late Musculocutaneous flap for coverage of Trochanteric Pressure Sores: An Observational Prospective Study.	Prof. Dr. Bidhan Sarker	2021-2022
Dr. Sumanta Kundu	Early outcome of reconstruction of post burn neck contracture by thin anterolateral thigh free flap.	Dr. Salma Anam	2021-2022
Dr. Md. Ashiqur Rahman	A prospective observational study of post-operative flap monitoring by measuring capillary blood glucose level in flap.	Prof. Dr. Bidhan Sarker	2021-2022
Dr. Anhura Nasrin	Oblique Triangular Neurovascular Island flap: A Reliable Option for Fingertip Reconstruction.	Prof. Dr. Bidhan Sarker	2021-2022
Dr. S. M. Reza-E-Rabbi	Outcome of Follicular Unit Extraction as Minimally Invasive Surgery for Hair Transplantation	Prof. Dr. Bidhan Sarker	2021-2022
Dr. Mosabbir Ahmad Khan	Outcome of distally based adipofascial sural flap following reconstruction of distal leg, ankle and foot defect .	Dr. Salma Anam	2021-2022
Dr. Khadija Tul Kobra	Outcome of Rhomboid flap for coverage of soft tissue defect over face and neck region	Prof. Dr. Bidhan Sarker	2021-2022
Dr Lailun Nahar	Outcome of reverse radial forearm fasciocutaneous flap for soft tissue defect of hand	Dr. Mohammad Kamruzzaman	2021-2022
Dr. Deb Jyoty Roy	Outcome of Lateral Calcaneal Island Flap in Reconstruction of Soft Tissue defect Over Posterior Heel	Prof. Dr. Bidhan Sarker	2021-2022
Dr. Mosabbir Ahmad Khan	Outcome of distally based adipofascial sural flap following reconstruction of distal leg, ankle and foot defect.	Dr. Salma Anam	2021-2022
Dr. Uching Nue Chak	Outcome of Dorsal Metacarpal Artery Perforator Flap for Resurfacing of Soft Tissue Defects of Fingers Proximal to Distal Interphalangeal Joint	Dr. Tahmina Satter	2022-2023

Dr. Ilmoon Kabir	Outcome of the Moberg Advancement Flap for Coverage of the Defect over the Volar Aspect of Tip of the Thumb	Dr. Mohammad Nashir Uddin	2022-2023
Dr. Achintya Kumar Das	Outcome of Dorsal Metatarsal Artery Perforator Flap for Coverage of Soft Tissue Defect of Dorsal Distal Foot and Toes	Dr. Mohammad Nashir Uddin	2023-2024
Dr. Md. Rezaul Karim	Outcome of Lateral Supramalleolar Flap for Reconstruction of Soft Tissue Defect Around Ankle and Dorsum of Foot	Dr. Salma Anam	2023-2024
Dr Faruk Hossain	Outcome of Lateral Intercostal Artery Perforator Based Pedicled Flap for Reconstruction of Soft Tissue Defect in and around Cubital Fossa	Dr. Tahmina Satter	2023-2024
Ongoing Research Activities			
Dr. Fatema Mirza	Outcome of paramedian forehead flap for reconstruction of ala and tip of nose defect	Dr. Mohammad Kamruzzaman	2024-2025
Dr. Mahima sultana	Superior lateral genicular artery perforator flap for reconstruction of defect around knee joint	Prof . Dr. Bidhan sarker	2024-2025
Dr. Tazia Haider	SIEA flap for coverage of dorsum of hand & wrist defect	Dr. Salma Anam	2024-2025
Dr. Maisha Mustafiz Sebonty	Outcome of proximally based PIA flap for reconstruction of defects around the elbow	Dr. Mohammad Kamruzzaman	2024-2025
Dr. Amitesh Das	Comparative study between outcome of Medial Sural Artery Perforator Free Flap and Radial Forearm Free Flap in Face, Oral cavity and Tongue reconstruction	Dr. Mohammad Kamruzzaman	2024-2025
Dr. Md. Abu Nahiyen	Palmer ulnar metacarpal artery perforator flap for reconstruction of volar aspect of little finger and ulnar aspect of palm defect	Dr. Tahmina Satter	2024-2025
Dr. Kamrul Hasan	Sephanous artery flap for in and around knee defect(ant and post)	Dr. Mohammad Kamruzzaman	2024-2025

Departmental Achievement:

Nil

Research Grants:

Nil