



SMBB INSTITUTE OF TRAUMA NEWSLETTER

Vol. I Issue# 2

January 2022 - March 2022



Our Editorial Team

Chief Editor: Dr. Muhammad Sabir Memon
Chief Operating Officer

Design & Layout: Sajid Ali Tunio
IT Department, SMBBIT

Contents:

01 SMBBIT NEWS

- 1-1 In Memory Of M. Asadullah..... 03
- 1-2 Welcome aboard Dr. Hassan Kashif..... 03
- 1-3 Welcome aboard Dr. Azer Shaikh..... 03

02 MILESTONES

- 2-1 Inauguration of the Plastic Surgery Department..... 04

03 PATIENT STORIES

- 3-1 Shahzaib's Story..... 05

04 CASE STUDIES

- 4-1 Complex ThoracoAbdominal Aneurysm (TAAA) Case Management..... 06

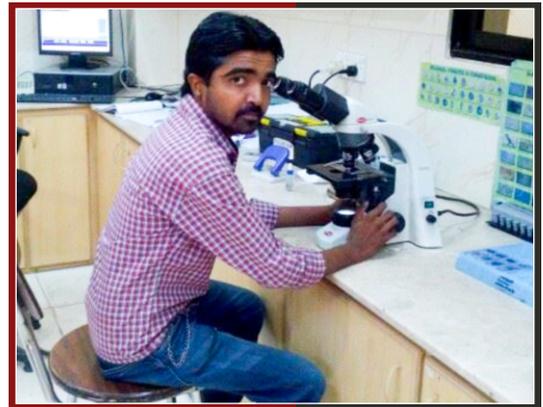
05 SEMINARS & WORKSHOPS

- 5-1 Basic Life Support Revision with Simulation Scenarios..... 08
- 5-2 1st Neuro-Intervention Procedure..... 09
- 5-3 Pre-Anesthesia Conference Training..... 11
- 5-4 National Nutrition Month '22 at the SMBBIT..... 12

In Memory of M. Asadullah

M. Asadullah had been a dedicated employee of the SMBBIT since the last 5 years, and fulfilled his duties as a Phlebotomist with the utmost honesty. He had been ailing since a while due to his chronic kidney disease, but despite the debilitating nature of his illness he always showed up to work with a smile. His passing away is unsettling news for the institute.

To extend its support to his family in this hour of need, the SMBBIT has provided them with a cheque of Rs. 750,000 as part of our Employee Benefits Program.

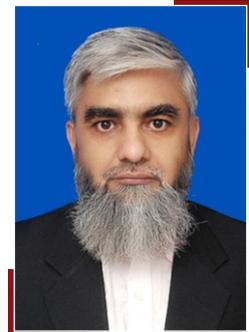


May the Almighty give M. Asadullah's family patience to bear this great loss.

Welcome aboard !

Our New HoD for Plastic Surgery

Dr. Hassan Kashif is a board certified Consultant Plastic and Reconstructive Surgeon, and has recently joined the Shaheed Mohtarma Benazir Bhutto Institute of Trauma (SMBBIT) Karachi as the Head of Department for Reconstructive Plastic Surgery. With a passion for handling all types of plastic and reconstructive cases (Limb Reconstruction, Head and Neck Reconstruction, Breast Reconstruction, Microvascular Repair, Hand trauma), Dr. Kashif is always deeply involved in his patients' pre and post operative management and rehabilitation.



A life time member of Pakistan Association of Plastic Surgeons (PAPS), he has over 20 years of experience as a Plastic Surgeon, and has worked in Saudi Arabia, Qatar and Pakistan. He holds an M.B.B.S (DUHS), F.C.P.S (Plastic Surgery), M.C.P.S (Surgery) and CCRA (Canada), and also teaches undergraduate and post graduate plastic surgery doctors. Additionally, Dr. Kashif has completed a certification in clinical research from McMaster's University and has been a part of several clinical research projects in Canada.

Our New HoD for Emergency Services

Dr. Azer Shaikh has joined the SMBBIT as Head of Department for Emergency Services. He has more than 15 years of working experience in National Health Service (NHS) hospitals in different regions of the UK. Major hospitals he has worked for in the UK include, South London Health Care Trust, Hull Royal infirmary, Royal Preston Teaching Hospital, Manchester Royal Infirmary Teaching Hospital, Royal Bolton Teaching Hospital and Royal Blackburn Hospital NHS Trust. He has also worked as an emergency medicine consultant in Qatar before joining the SMBBIT.



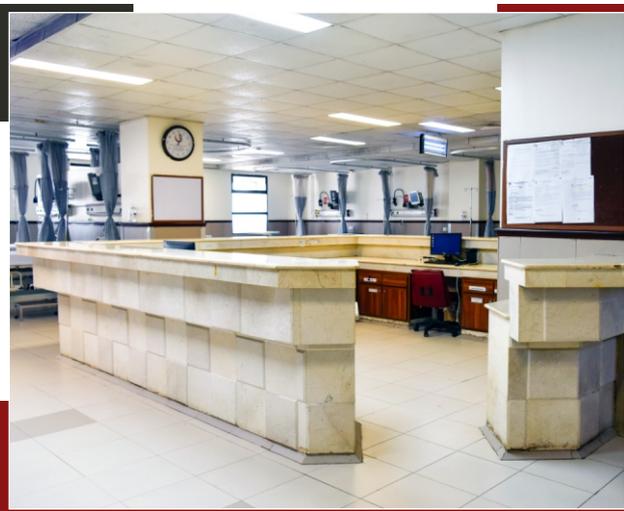
Dr. Azer Shaikh holds an MBBS degree from Sindh Medical College, Karachi and MCREM & FCREM from the Royal College of Emergency Medicine, England. He completed his emergency medicine training in Northwest region of England and is certified from the Resuscitation Council of UK to provide advanced life support: Advanced Life Support (ALS), Advanced Trauma Life Support (ALTS) and Advanced Pediatric Life Support (APLS).

He has special interests in: Adult & Child Resuscitation, Emergency Ultrasonography, trauma management, simulation teaching and medical education.

Inauguration of the Plastic Surgery Department

Our 'Trauma Plastic Surgery' ward has now opened its doors to serve the people of Pakistan. The inauguration of the ward was done by Dr. Muhammad Sabir Memon COO SMBB Institute of Trauma on 22nd March 2022.

The 14 bedded fully equipped ward under its Head of Department, Dr. Hassan Kashif (MBBS, FCPS & lifetime member of the Pakistan Society of Plastic Surgeons) aims to deliver all its efforts to save the limbs and lives of patients who have lost all hope.



Shahzaib's Story

(These comments and pictures were shared by one of our patients, Shahzaib Gatta, and have been published with his consent.)



"Salam o alaikum

I feel very blessed and lucky that I was shifted to SMBB Institute of Trauma other than any other hospital in my opinion.

I was really taken care of as a human being and I realized over here doctors and paramedical staff have pain for their patients, they were serving all the patients as like their family members. I have lived abroad, and I have never seen this kind of behavior with patients over there also.

I pray for all the doctors and paramedics to continue serving in the same way in future also.

Thanks,

Shahzaib Gatta"



Complex ThoracoAbdominal Aneurysm (TAAA) Case Management

Department of Vascular Surgery

A 45 year old female patient, known hypertensive, was referred to Vascular Surgery Services with complaints of moderate to severe pain in the abdomen for 15 days. No history of fever and weight loss. Past medical and surgical history was insignificant.

Family history was negative for aneurysms.

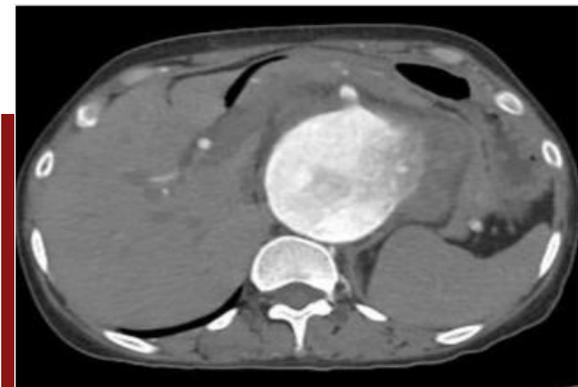
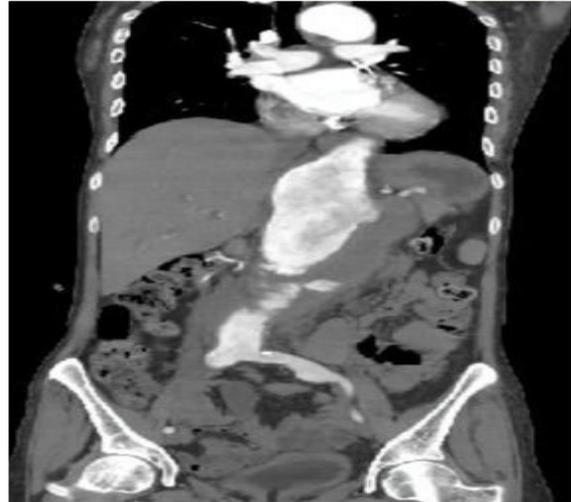
C T Angiogram showed **Type 3 ThoracoAbdominal Aortic Aneurysm (TAAA)** with contained leak, originating from descending thoracic aorta to the bifurcation of abdominal aorta with maximum transverse diameter of thoracic part of aneurysm 7.3cm and maximum transverse diameter of abdominal part of aneurysm 11cm with contained leak in abdominal segment.

This case was one of a kind, presenting rarely in our country, and with a hundred percent mortality rate if left untreated. Keeping in view all the concerns and complexities of the case, it was discussed with world renowned vascular surgeons across the globe and was planned for the surgery after maximum optimization in the mean time.

Urgent repair was planned after informed consent and explaining all the co-morbidities in the form of spinal ischemia resulting in paraplegia, renal failure, cardio-respiratory failure and death.

Preoperative adjuncts to support the procedure were brilliantly offered by **our anesthesia team**, which included:

1. Right internal jugular CVP for monitoring and resuscitation
2. Right radial arterial line for monitoring
3. Right femoral arterial line to ensure distal perfusion
4. Foley's catheter
5. Spinal drain for monitoring pressure and to drain CSF
6. Epidural



Procedure performed: ThoracoAbdominal Aneurysm (TAAA) repair with Dacron graft from thoracic aorta to aortic bifurcation through ThoracoAbdominal incision with 6 rib excision posteriolaterally + Intercostal and Visceral Reimplantation + temporary external left AxilloFemoral Bypass, with Dacron graft limbs.

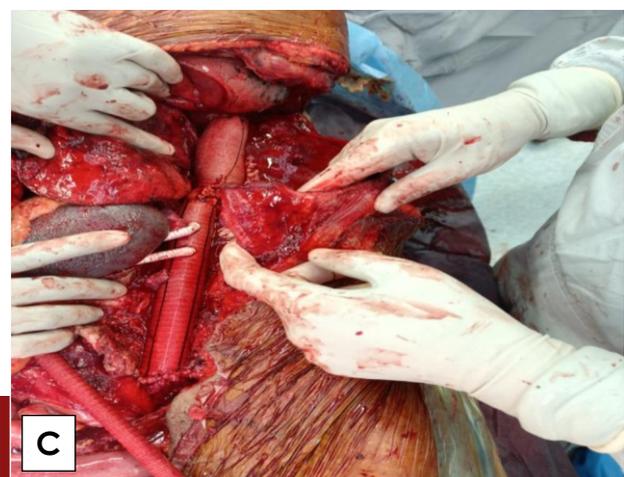
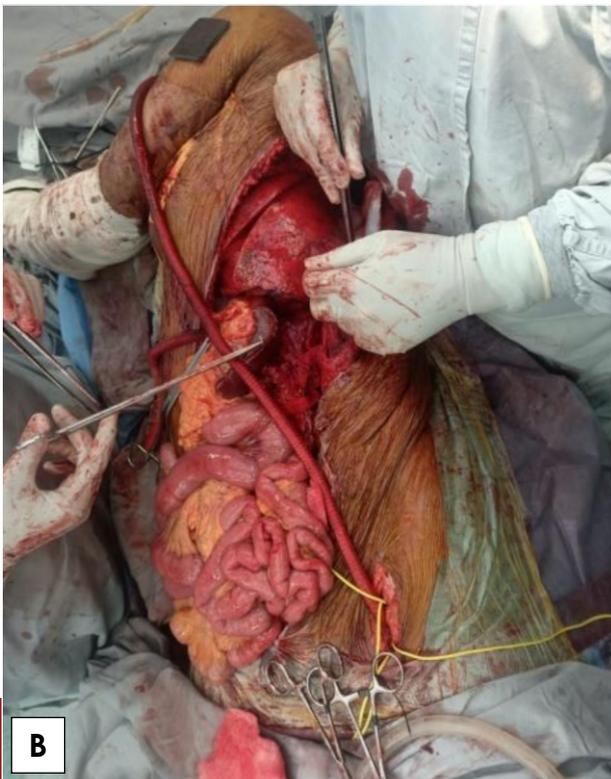
Major concern regarding the operative management was assisted circulation in the form of Partial Heart Bypass to offload the heart and decrease visceral ischemia time during clamping but unfortunately a bail out procedure was done in place of that in the form of AxilloFemoral Bypass due to unavailability of Cardiothoracic surgeons and urgent need for the repair.

Alhamdulillah, the patient recovered smoothly, throughout her stay in the hospital. This was possible because of His Mercy, and a great collaborative team effort.

These are the most complex and challenging cases to deal in the world of vascular surgery due to their high morbidity and mortality. A multi-modality approach is therefore the way forward for the future development of **AORTIC SERVICES** which are nonexistent in the country and which would also be a source of immense pride for the SMBB Institute of Trauma.

Fig:

- A. Peroperative picture of ThoracoAbdominal Aneurysm
- B. Left Axillofemoral Bypass used as a bail out procedure
- C. Final configuration of the graft showing Visceral Reimplantation



Basic Life Support Revision with Simulation Scenarios

An in-house skills & drills workshop was organized by Dr. Azer Shaikh in the ER lecture room. The topic of discussion was: 'Basic life support revision with simulation scenarios'. It was organized for the purpose of educating ER doctors including Consultants, SMOs, MOs and medical students on electives, on the core skills used in BLS.



1st Neuro-Intervention Procedure

Departments of Neurosurgery and Interventional Radiology

Three cases were performed and evaluated as part of the workshop. The patients presented with a sudden onset of headaches and seizures. CT / MRI scans had shown intracranial bleeding and Digital Subtraction Angiography Cerebral Aneurysm in two patients and Arteriovenous Malformation in the third one. Neurosurgery and Intervention Radiology teams decided on an endovascular treatment plan **coiling for aneurysm and embolization for arteriovenous malformation.**

These endovascular & neuro-intervention procedures were successfully carried out by at the SMBBIT Cath Lab by the Interventional Radiology Team, and all three patients were discharged happily after three days.



Dr. Umair Rasheed Chaudhry
from Lahore General Hospital



Dr. Muhammad Yousuf Memon
Neuro Intervention



Dr. Vicky Kumar Talib
Neuro Intervention

| S#. | Name, Age, MR# | Diagnosis / Procedure | RF Dept./ Consultant |
|-----|----------------------|-----------------------|---|
| 1 | Akhtari Begum (65-Y) | Coiling of aneurysm | Neurosurgery <ul style="list-style-type: none"> • Prof Dr. Imran • Prof Dr. Atiq |
| 2 | Rahima (42-Y) | Coiling of aneurysm | Neurosurgery <ul style="list-style-type: none"> • Prof Dr. Imran • Prof Dr. Atiq |
| 3 | Sher Bano (10-Y) | Embolizaiton of AVM | Neurosurgery <ul style="list-style-type: none"> • Prof Dr. Imran • Prof Dr. Atiq |



Baby Sher Bano



Msst. Akhtari Begum



Msst. Rahima



Neurosurgery & Radiology Workshop



OT Tech. Liaquat , Dr. Mohsin, Dr. Umair Rasheed Chaudhry, Dr. M. Yousaf Memon & Dr. Vicky Kumar Talib

Pre-Anesthesia Conference Training

On the occasion of the Pakistan Society of Anesthesiologists' 40th annual conference, the department of anesthesiology hosted a **preconference on One-Lung Ventilation** at the SMBB Institute of Trauma.

Thoracic anesthesia is a difficult area of anesthesiology to master. The course was specifically arranged for junior and resident anesthesiologists to share our knowledge and experience.

40th Annual Conference
Pakistan Society of Anaesthesiologists
Karachi



SMBB INSTITUTE OF TRAUMA



Precongress

Workshop on Thoracic Anesthesia

/ One Lung Ventilation

Lectures

- Pre-op Assessment
- Methods of DLT insertion & Bronchial Blocker Insertion
- One Lung Ventilation and Trouble shooting

Group discussion & hands on practice

- Insertion of DL
- Flexible Bronchoscope Endoscope and Confirmation of DLT and Use of Bronchial Blocker and EZ blocker



Workshop on Thoracic Anesthesia / One Lung Ventilation Group Picture

National Nutrition Month '22 at the SMBBIT

March is National Nutrition Month and the Department of Nutrition and Dietetics ensured that it was celebrated with great aplomb at the SMBBIT. This year's theme was 'Celebrate a World of Flavors', and capitalizing on the diverse topic, the department creatively decorated their premises with a stream of healthy fruits and vegetable mobiles. It was a colorful sight to look at and was a pleasant departure from the fast paced life at the Trauma Centre. However, they not only managed to grab eyeballs but also everyone's attention with their interesting line-up of talks.



The Department of Mental Health & Rehabilitation also contributed to the discussion with a talk on the impact of nutrition & diet on stress levels. Both the lectures were delivered to a packed seminar room. The end of the seminar was marked by a speech by Dr. Sabir (COO, SMBBIT) and a cake cutting ceremony to commemorate the occasion, followed by refreshments.



Understanding how hectic life can be at an emergency hospital the Dietetics department called in **Ms. Sidra Raza (HoD Nutrition & Dietetics at the NICVD)** to deliver a lecture on the importance of a balanced diet in healthcare workers. She not only addressed issues related to weight gain and fatigue, but shared delicious yet easy meal ideas for those on the go.





Zakat & Donations

Help us provide free of cost quality health care to our countrymen, send in your donations to the SMBBIT donation and zakat accounts. Even a little, will go a long way in helping us on our mission!

Zakat Accounts

United Bank Limited

A/C Title: Shaheed Mohtarma Benazir Bhutto
Institute of Trauma Karachi Zakat Account
IBAN: Pk86 UNIL 0109 0002 7664 8964

Sindh Bank

A/C Title: Shaheed Mohtarma Benazir Bhutto
Institute of Trauma Karachi Zakat Account
IBAN: Pk61 SINDH 0003 1538 7300 2001

Donation Accounts

Sindh Bank

A/C Title: Shaheed Mohtarma Benazir Bhutto
Institute of Trauma Karachi Donation Account
IBAN: Pk88 SIND 0003 1538 7300 2000

United Bank Limited

A/C Title: SMBBITCK
IBAN: Pk63 UNIL 0109 0002 7671 3301