



Sudanese American
Medical Association

Project E... A Hu
Dr. Bushra Ibnauf Sul... Center

**DR. ISAM OSMAN
HUMANITARIAN MISSION
TO PORT SUDAN**

FEBRUARY 23 TO
MARCH 1, 2024

Context



Dr. Isam Osman was the Head of the Vascular and Endovascular Department and Operating Theatres in King Saud Medical City, KSA. He passed away on September 29, 2023, and left a legacy of surgical excellence, leadership, and mentorship. Dr. Osman had a prominent leading role in SAMA's humanitarian relief and learning programs. Shortly before his death, he led a surgical mission to Port Sudan to support the fragile health system. To preserve Dr. Osman's legacy, SAMA organized this humanitarian mission, led by Dr. Amir Elhassan, a Consultant Cardiothoracic Anesthesiologist in California, USA.

In this mission, SAMA leveraged its experience in organizing missions to Sudan. From 2014 to 2020, SAMA organized 7 surgical missions to Sudan from the USA that performed more than 110 surgeries in public sector hospitals.

This mission came in a time of great need, as since the war broke out in April 2023, the health system in Sudan has suffered massive losses in manpower, medications, and medical supplies.

Mission Aim



- To provide Anesthesia related medications and medical supplies to Osman Digna Hospital.

- To conduct hands-on training for anesthesia personnel on various anesthesia procedures at Osman Digna Hospital.
- Delivering direct patients care at Osman Digna Hospital.



Target

- Patients undergoing surgeries at Osman Digna Hospital
- Anesthesia personnel working at Osman Digna Hospital

What we did?

- Delivery of anesthetic drugs and equipment.
- Provided in-person training of anesthesia personnel at Osman Digna Referral Hospital operating rooms.
- Repairing a non-functional anesthesia machine at the hospital.



Location

Osman Digna Referral Hospital, Port Sudan, Sudan





Mission implementation

Phase 1: Mission idea is born (October 29, 2023)

Sudan and SAMA have recently tragically lost some of the best medical minds that came out of Sudan Dr. Isam Osman and Dr. Bushra Ibnauf. We still are grieving the loss of their lives, medical knowledge, courage, and willingness to give back to Sudan. It became essential that what they have started must continue in their honor and the fruits of their labor and sacrifices should continue to benefit their countrymen. Dr. Amir Elhassan approached SAMA about his interest in organizing a mission with a focus on his area of expertise, anesthesiology.

Phase 2: Need Assessment

Connected with clinicians in Osman Digna Hospital who provided a wishlist of medical supplies and medications.

We also conducted a learning need assessment to determine the objectives of the mentorship and training program.

Phase 3: Network mobilization

We reached out to various United States entities who provided in-kind donations of anesthesia-related medications and medical supplies worth more than \$35,000

Phase 4: Execution (February 23- March 1, 2024)

February 23, 2024

Dr. Amir Elhassan arrived in Port Sudan from the United States, carrying with him the medications and medical supplies.

February 24, 25 2024

Dr. Amir Elhassan trained residents in anesthesiology and critical care at Dr. Bushra Ibnauf Center for Learning about various anesthesiology topics including training on Ultrasound-guided vascular access.

February 26-29, 2024

Dr. Amir Elhassan delivered direct care to patients undergoing surgeries at Osman Digna Hospital. He also provided training to anesthesia personnel

Medical supplies

- Essential and urgently needed anesthetic drugs including propofol, vecuronium and intravenous acetaminophen.
- Reusable and disposable medical equipment including a video laryngoscope with adult and pediatric attachments, adult and pediatric standard and specialized endotracheal tubes, intubating stylets, intravenous cannulae, reusable Magill forceps and reusable adult and pediatric direct laryngoscopes and laryngoscopy blades.

Training



- Dr. Amir Elhassan provided a teaching session for the anesthesiology residents on how to use the video laryngoscopy, and supervised the residents as they performed the procedure inside the operating room; about 20 residents received this training on day 1.
- Essential medications were delivered to Osman Digna Hospital, where Dr. Amir Elhassan trained Anesthesiology providers on how to use these medications.



Lessons Learnt

- Warm welcome in Port Sudan by the Osman Digna Hospital leadership, partner organizations, and SAMA support group on-site.
- Safety of the city: No signs of conflict, it is anticipated that Port Sudan will continue to be spared and it is currently a hub for humanitarian relief efforts of various international organizations.
- Feasibility: We received substantial cooperation at the airport from the authorities, the national medicines and poisons board and airport directorate that facilitated the entry of the medications and medical supplies.
- Identified a great need for medications, supplies, and educational activities.
- We established new connections with important stakeholders on the ground who are willing to provide help in future missions.



Get Involved

- **You can donate** to support this and subsequent missions: <https://sama-sd.org/donate-now/>
- **Organize a mission:** We are looking for US board certified physicians of Sudanese descent to volunteer on Isam Osman's humanitarian mission to Sudan. The volunteer physician will be provided with life-saving donated medical supplies and medication which will be cleared by our partner organization in Port Sudan airport. During your stay in Port Sudan, we will arrange educational activities at Bushra Ibnauf Center for Learning in Port Sudan & direct patient care in Osman Digna Hospital.

SAMA will cover the cost of your airline travel from the USA to Port Sudan and accommodation expenses in Port Sudan. This is a great opportunity to use your knowledge and experience to save lives in Sudan. For further information, please contact us: admin@sama-sd.org or WhatsApp +1 (703) 544-5658.



Acknowledgement



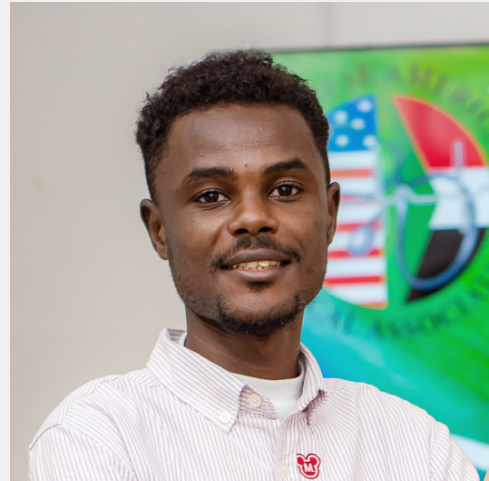
Dr. Mohamed Mahmoud

Professor of anesthesia at
Cincinnati Children's Hospital
Medical Center

OUR TEAM



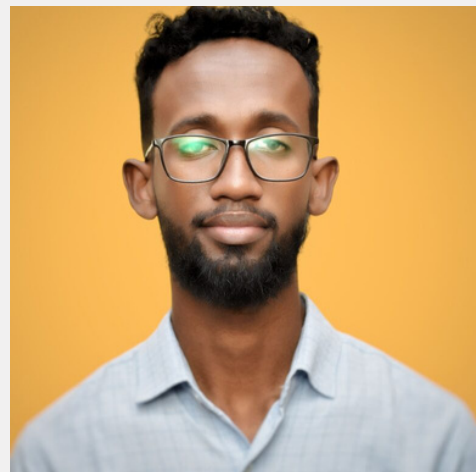
Dr. Amir Elhassan
Mission Lead



Dr. Omer Goma
Director of operations



Dr. Abobakr Almahi
Mission's volunteer



Mr. Mohamed Abdalazim
Mission's photographer