

Launching Robotic Telemedicine at Savar Filaria and General Hospital

IACIB has launched officially robotic telemedicine at Savar Filaria and General Hospital on 24th October 2021. Chief Guest of the program was honorable Director General of NGO Affairs Bureau under Prime Minister office Mr. K.M Tariqul Islam while Savar Upazila Nirbahi Officer Mr. Majharul Islam was special guest of the program. In his speech chief guest Mr. K.M. Tariqul Islam has expressed his solidarity with the noble work mentioning the effort to be contributed to advance the dream of digital Bangladesh of honorable Prime Minister Sheikh Hasina. He mentioned that it has opened the door of advance treatment for unprivileged people of Bangladesh. He added that he was impressed to see treatment process demonstration through the robot. He said that it will reduce foreign travel for treatment and save our foreign money exchange. He appreciated the efforts of World Tele Health Initiative (WTI) and Humanity Beyond Barriers (HBB). He gave thanks to IACIB for its' wonderful initiative for people health.



Special Guest Mr. Majharul Islam delivered his speeches telling the efforts as great medical opportunity for the disadvantaged people. He gave thanks to IACIB to transform the health services through robot and reach it to the poor people of Bangladesh. He explained the purpose as decent work.

Neurologist of USA Dr. Halima Karim has demonstrated the treatment process using the robotic Telemedicine. She mentioned it as similar treatment process in face to face consultation and it advantaged to diagnosis instantly using different diagnostic equipment, even to perform surgical treatment through the robot consulting with the surgeon of Bangladesh. WTI Co-founder and Executive Director Mr. Sharon Allen has shared the mission of WTI using multimedia presentation focusing theme 'Together we transform the world health' while WTI Program Associate Ms. Jessica Koval has described the training process and doctor's roster to the audience.

Another guest spoke on the occasion are: Professor Lymphology of Mahidol University of Thailand Prof. Dr. Wichai Ekataksin , Skin and Sexual disease specialist Dr. Mohammad Shanur Ali. Chairman of IACIB Prof. Dr. Moazzem Hossain has delivered the welcome speech and moderated the entire session. HBB Chairman Dr. Sheikh Selim has delivered his valuable speech mentioning HBB's future mission for Bangladesh and gave vote of thanks to the audience.

Speakers of the inauguration program



Mazharul Islam, Upazila Nirbahi Officer, Savar, Dhaka



Skin and sexual disease specialist Dr. Shanur Ali, UK



Prof. Dr. Wichai Ekataksin Bangkok, Thailand



Neurologist Dr. Halima Karim HBB USA



Professor Dr. Moazzem Hossain Chairman, IACIB



Dr. Sheikh Selim President, HBB



Sharon Allen Executive Director WTI

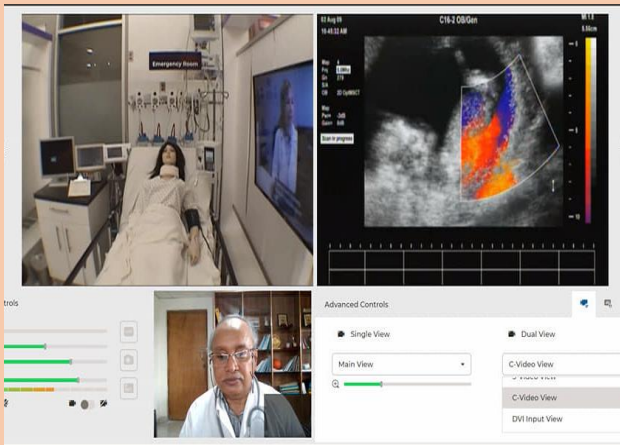


Jessica Koval Program Associate WTI

Robotic Telemedicine : Transformation of medical service

Professor Dr. Moazzem Hossain

The word 'telemedicine' we usually mean tele-consultation and treatment by contacting a doctor through the conventional telephone. In fact, 'telemedicine' is a robot-operated telehealth service that enables a physician to provide accurate treatment from the other end of the globe. Robot allows the physician to diagnose the disease through face-to-face consultation and exchange views. This allows the patient to be diagnosed and treated using physical examination, necessary investigations, psychoanalysis and other methods.



The robotic system developed by the World Telehealth Initiative has created an opportunity to store and exchange all medical information. In addition to this, all the necessary tests can be done very easily with the help of telemedicine robot, which is not possible in any way through conventional telemedicine. Robotic telemedicine platforms have been added to the state-of-the-art health technology of the world and hospitals in many countries abroad are adopting this technology.



This robot can design healthcare through a discussion involving doctors in different places in different countries. In this process, Artificial Intelligence (AI) technology is used as power. Currently, only six hospitals in the world have introduced this robotic medical system.

Moreover, through machine, advance training of doctors and nurses, exchange of views between medical boards and physicians etc. can be done easily. For the first time in Bangladesh, IACIB's set up robotic Telemedicine services at Filaria and General Hospital at Savar in Dhaka District. IACIB is providing free services using robotic telemedicine technology through doctors from USA and UK which will be considered as a landmark step in the country's health system.

The benefits of robotic telehealth services are:

- Diagnosis and treatment through face-to-face discussions between foreign specialist doctors and patients,
- analysis of incurable diseases through cost-effective physicians,
- reduction of foreign exchange waste by reducing foreign travel for treatment,
- Quality treatment will be available for the disadvantaged people,
- diagnostic tests such as X-ray, mammogram, MRI, ultra sonogram, EKG, EEG, pathology report, CT scan, echocardiogram will provide with quick explanation.

The telemedicine robot also has the opportunity to perform basic clinical tests such as heart, chest disease, dermatology etc. directly and the telemedicine robot can perform other diagnostics including X-ray, ultrasonography, echocardiography, MRI, mammography, CT scan etc and present it to the doctor. Doctors can make precise decisions with the help of telemedicine robotic devices. World class health service through robotic telemedicine is now available at Savar Filaria and General Hospital.

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