

AIIMS Ultrasound Trauma Life Support Course (AIIMS- UTLS)

Empowering Trauma Resuscitation-the ABCD way

Trauma is considered as neglected disease of modern society. It has developed to an epidemic proportion in India as there was 1, 34,000 deaths during 2009-2010 with a 7.8% increase every year causing 3% loss of GDP and every 6 min one person dies on Indian roads. Care of multiply injured victim is challenging in pre-hospital, emergency department and intensive care settings. It becomes more difficult when trauma resuscitation is being performed by sub-optimally trained healthcare providers in blinded fashion.

Training of manpower is of paramount importance as we move forward in building trauma centers across the country and one of the skills is "Point of care sonography".

Point of care emergency Ultrasound: The visual stethoscope has transformed the way we manage critically ill patients by empowering the clinical skills with visually enhanced assessment and management and also helps in triage, critical decision making. So, let's unlearn and relearn sonography as resuscitative ultrasound: the ABCDE way.

Why the ABCDE way?

A (Airway) kills before B (Breathing), B (Breathing) kills before C (Circulation) and C (Circulation) kills before D (Disability); so prioritize order of assessment and management with purpose to treat first that kills first.

With the vision of empowering emergency care skills; which is also the mandate of WHO health assembly supplement 60.0 especially in low to middle income countries, Emergency Dept, J.P.N.Apex Trauma Centre took the initiative to start **AIIMS Ultrasound Trauma Life Support (AUTLS) Course** under umbrella of **AIIMS Emergency and Critical Care Sonography: (13 courses including 1 course in Tehran, Iran and 1 course in Pune). AIIMS Emergency and Critical Care Sonography** has also conducted **AIIMS Ultrasound Trauma Life Support** workshop in Rajendra Institute of Medical Sciences, Ranchi, PGI, Rohtak, Osmania Medical College, Hyderabad and TRAUMA-2011, INDUS EM 2011 conferences. **Till date, we have trained around 650 doctors in managing trauma patients with the help of ultrasonography.**

This course is also affiliated to International Council for Critical Emergency Sonography (**ICCES**) which is a forum for empowering acute visual medicine globally.

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FIRST AIIMS ULTRASOUND TRAUMA LIFE SUPPORT COURSE
At Atieh Hospital, Tehran, Iran on 2nd - 3rd May 2012

Trauma & Emergency

TEAMS

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"Proclaiming and Promoting Academic Leadership"

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From the Desk of Editor



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Dear Colleagues

I am glad that TEAMS is completing 5 years since its inception in 2008. It was not an easy task to be the founding editor as this takes my time and responsibility in starting from ground zero, but it gives me a great pride, accomplishment and a great satisfaction of accountability in developing this specialty called Emergency Medicine. I take this opportunity to recollect the good memories as we drove the road of INDUSEM, INDO-US collaboration for developing the science of academic Emergency Medicine in our soil.

It all started with a small group of young ignited minds from AIIMS, New Delhi & University of South Florida in the year 2005 who decided to develop the science of Emergency Medicine in India. Later this seed was taken across the country in the name INDO-US Academic Council for Emergency Medicine (INDO-US ACET) in the year 2006 where likeminded people who are passionate about Emergency Medicine met at New Delhi and structured a pathway to give birth, nurture and develop this science of EM in their respective institution.

This collaboration gave birth to various initiatives like EMTECH, the training wing of INDUSEM in 2007 which conducted the Summer Research School in New Delhi, NIH Fogarty Clinical Research Methods at Ahmadabad, Emergency Sonography School at AIIMS, New Delhi, Medical Response to Mass Casualty Management (MRMCM) training programme across India in New Delhi, Pune and Baroda etc since 2010 and many more to come. TEAMS the official News letter & JETS the official journal which is an international publication of INDOUS ACET were born in the year 2008. INDUS-ARCH the research wing of INDUSEM was born in the year 2009. The ACET leadership team was invited to Tampa General Hospital, Florida USA in 2009 with the mission to learn the system of practice of Emergency Medicine which gave us a foresight as we start developing this science in India. The big success came again in the year 2009 when Medical Council of India recognized Emergency Medicine under Broad Specialty and initiate the MD (Emergency Medicine) programme across medical schools in India. Academic College of Emergency

Experts & Academic College of Emergency Nursing was born in the year 2011 to foster academic trainers parallel among doctors and nurses.

INDUS EM SUMMIT went across the country since 2007 to various places like Mumbai, Mangalore, Coimbatore, Baroda, back in New Delhi in 2011 and now in Nasik. This mega event succeeded in developing the science of Emergency Medicine as an academic discipline, groomed leaders and academicians among various medical schools with the focus of creating Emergency Departments in every medical school which is the base to start the residency program.

Though we have come a long way but we need to go miles before we sleep, dream comes true only when we have fully structured and functional Emergency Departments with skilled man power where we can save lives thereby reducing the morbidity & mortality because every Quality & Productive life saved will have a positive impact on our economy.

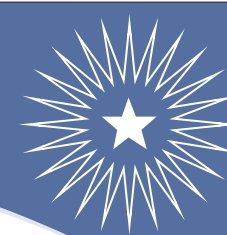
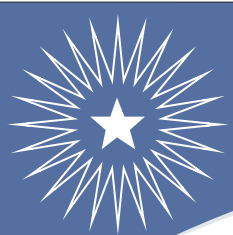
I thank my mentors especially O'Keefe, Tracy, Bonny from USF & SUNY, Michelson & Gila from RAMBAM, Israel, Praveen Agarwal, Murmu, my colleague Sanjeev Bhoi from AIIMS, Sagar the man behind the INDUS-EM Movement, my other colleagues and friends who have contributed to the development of Academic Emergency Medicine in India.

My sincere thanks to PSG Institute of Medical Sciences, Department of Advertisement & Communication especially Mr.Yasin who designed the TEAMS template, my team members in Emergency Medicine PSGIMS&R for their whole hearted support rendered to me and TEAMS.

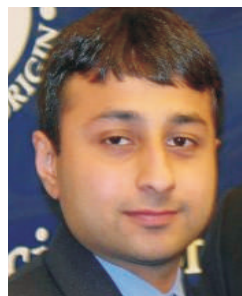
We welcome the youngsters to join this movement and foster this science of Emergency Medicine. Let the mission continue.....

JAIHIND

SUNDARAKUMAR



Current Status of Academic Emergency Medicine in India



Dr Sagar Galwankar
Chief Academic Officer,
INDO-US Emergency and
Trauma Collaborative

It has been 8 years since the INDO-US partnership came into existence with a clear focus of developing Academic Emergency Medicine in India. The INDO-US partnership exists at many levels and in many areas. In the field of Emergency Medicine and Trauma this collaboration is an academic effort between Universities in India and the United States lead by University of South Florida and SUNY Downstate and All India Institute of Medical Sciences along with Baroda Medical College-SSG Hospital in India. The partnership enjoys the support of the World Association of Disaster and Emergency Medicine. The main mission of this partnership is to foster the growth of academic medicine in the fields of Emergency Care and Traumatology. The collaborative promotes exchange of knowledge and mutual development between Academic institutions in India and the United States. The INDO-US Collaborative firmly believes that Medical Colleges are ideal environments for growth and development of Emergency and Trauma Academics in India. These teaching institutions provide the adequate and diverse patient volume which forms the right milieu needed to grow these new sciences in India. This partnership has adopted the **“Academic Institutional Partnership Ideology”**.

Today INDO-US Collaborative stands tall as it boasts of its accomplishment of playing a defining role in getting Emergency Medicine recognized as a specialty by the Medical Council of India in 2009. Since then about 10 new residency programs have been approved by the MCI across medical colleges in India. The training model derives its vision from the work of various academic leaders who are a part of the INDO-US family since the past many years.

The faculty development program started in 2010 had a focus on developing an elite group of faculty who would be future teachers and experts in Academic Emergency Departments in India. By the end of 2012 more than 50 Academic leaders would have completed this program and would be initiated into the Academic College of Emergency Experts of India as FELLOW (FACEE). The partner academic centers are also working on creating common treatment protocols for Acute Coronary Syndrome, Stroke, Trauma and Critical Care.

Research and Innovation is an integral part of any science and hence the INDO-US partnership has worked to establish the Indian Network of Critical Illness and Injury Translational Trial Experts (INCIITTE) who are focused on conducting collaborative studies on Emergencies, Shock and Trauma. This network also brought Academic Institutions together in order to establish the Academic Research cooperative which is a group of Academic Colleges who work together to conduct clinical trials so that studies can be completed at a rapid pace with a large number of enrolled patients.

Emergency Care is a team effort between Emergency Physicians and Emergency Nurses. To provide superior emergency care both the physicians and nurses have to be equally competent. Keeping this philosophy in mind the partnership has established a training program in Emergency Nursing which has lead to the establishment of the Academy for Clinical Emergency Nursing in India.

Education, Research and Treatment based on the core foundation of collaborative leadership is the crux of this INDO-US Emergency and Trauma Collaborative. The INDO-US Collaborative will continue to foster Academic Leadership in Educational Exchange and Cooperative Research via its Annual INDUS-EM Summit, ACET Assembly, Year Round training events and ongoing research initiatives. This will increase partnerships and unity by and between MCI Recognized Medical Colleges in India. This unity will further the mission to establish Academic Emergency & Trauma Sciences in India.

For details please visit: www.indusem.com

Acute Care Sonography for Nurses

Care of the sickest requires compassion, competency and commitment which has been bestowed especially to the nurses along with the doctors in acute care. One requires various emergency care skills to fulfil these core competencies to manage acutely ill patient.

Mass Casualty management is demanding and possess real challenge to the health care providers in **'Rescue to Resuscitation'** as well as addressing the surge capacity issues in imaging.

'Point of care' ultrasound is visual tool which can be learnt by nurses for example: Lung Sonography, FAST, vascular access, Fracture detection etc. and also during resuscitation. It can

alleviate errors during procedures and address patient safety issues.

Use of ultrasound by nurses can enhance the capacity and capabilities of the crisis management team during Mass Casualty Scenario.

AIIMS Emergency and Critical Care Sonography has taken initiative to teach nurses point of Care Ultrasound through **'Acute Care Sonography for Nurses (ACSN) Course'**. This course is also affiliated to International Council for Critical Emergency Sonography (ICCES) which is a forum for empowering acute visual medicine globally.



The Faculties and Delegates of Acute Care Sonography for Nurses held at AIIMS, New Delhi From 7th - 8th May 2012

MCI Recognised MD Emergency Medicine Programme in India

1.	MD (Emergency Medicine)	Andhra Pradesh	Kamineni Institute of Medical Sciences, Narketpally	NTR University of Health Sciences, VijayWada
2.	MD (Emergency Medicine)	Andhra Pradesh	Narayana Medical College, Nellore	NTR University of Health Sciences, VijayWada
3.	MD (Emergency Medicine)	Andhra Pradesh	P E S Institute Of Medical Sciences and Research, Kuppam	NTR University of Health Sciences, VijayWada
4.	MD (Emergency Medicine)	Gujarat	B J Medical College, Ahmedabad	Gujarat University
5.	MD (Emergency Medicine)	Gujarat	Medical College, Baroda	MS University of Baroda
6.	MD (Emergency Medicine)	Gujarat	Smt. N.H.L.Municipal Medical College, Ahmedabad	Gujarat University
7.	MD (Emergency Medicine)	Karnataka	S S Institute of Medical Sciences & Research Centre, Davangere	Rajiv Gandhi University of Health Sciences
8.	MD (Emergency Medicine)	Karnataka	St. Johns Medical College, Bangalore	Rajiv Gandhi University of Health Sciences
9.	MD (Emergency Medicine)	Karnataka	Vydehi Institute Of Medical Sciences & Research Centre, Bangalore	Rajiv Gandhi University of Health Sciences
10.	MD (Emergency Medicine)	Kerala	Amrita School of Medicine, Elamkara, Kochi	Amrita Vishwa Vidyapeetham University
11.	MD (Emergency Medicine)	Kerala	Jubilee Mission Medical College & Research Institute, Thrissur	Kerala University of Health and Applied Sciences, Thrissur
12.	MD (Emergency Medicine)	Maharashtra	Padmashree Dr. D Y Patil Medical College, Pimpri, Pune	Padmashree Dr. D Y Patil University, Navi Mumbai