



## A welcome law with technical limitations and apprehensions.

A Law is needed but the question is whether it would address the real issue in a ethically and legally acceptable way on the clinical establishments in our country. Two important issues plague the current medical system, poor quality, and uncontrollable costs in clinical practice. The Clinical Establishments Act, a Central law under which the maximum cost of medical procedures would be laid out and services standardized was passed by Parliament in 2010 and notified two years later, provides for registration of all health facilities, clinics and pathology labs, even if it is run by a single doctor. It also stipulates the minimum requirements for facilities and manpower. It was up to individual state governments to enact the Clinical Establishments (Registration and Regulation) Act as health is a state subject. Arunachal Pradesh, Himachal Pradesh, Mizoram and Sikkim have so far opted to implement the law. It's also in force in all Union territories.

According to an official in the Delhi health department, there was opposition to the clinical establishments Act when it was planned for implementation by the Government of Delhi, from the Indian Medical Association and the Delhi Medical Association. "The Act permits health authorities to conduct inspections and penalize or cancel licences of hospitals that are found to be fleecing patients, either by prescribing needless tests and procedures, or overcharging. The owners of clinics and hospitals are obviously perturbed," said a senior official in the Directorate of Health Services. Under the new law, government can put a cap on maximum charges for various services," the official explained. "Lab tests and imaging, procedures such as angioplasty, knee replacement and caesarean section must be audited. The government should appoint monitoring committees for random checks of patient data to identify instances where needless tests or procedures have been prescribed. That would put fear in the minds of errant doctors and hospitals," Dr K.Prasad, Head of Neurosurgery, AIIMS opines.

Many regulatory authorities are already in place such as State Medical Councils, State Health Ministries. The new law envisages to regulate both income and expenditure. A Government Committee under this law likes to oversee the manpower and establishment infrastructure. We wonder the National Accreditation agencies look into these issues thoroughly but not mandatory to all the establishments. The second issue is the costing. When there are great many variables that play in the quality delivery of any health related product systematizing may lead to bad products sold at high price is an imminent danger and a step that may be counterproductive to innovation and upgradation...

**Dr. K. Ravindranath**  
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## Breast cancer is not a single disease



A recent report from a group of oncologists, in the US claims breast cancer is not a single disease; it consists of four molecular subtypes, each with different treatment responses and different survival rates. According to the experts, incidence of these subtypes varies by age, race/ethnicity and many other factors.

Kohler and colleagues of North American Association of Cancer Registries (NAACCR) analyzed the incidence of invasive breast cancer in 2011 among women aged 85 and younger using data from NAACCR member registries.

These registries already record breast cancer incidence by four tumor subtypes, which are defined by the hormone receptor (HR) status and the expression of the HER2 gene. The subtypes are: Luminal A (HR+/HER2-), Luminal B (HR+/HER2+), HER2 enriched (HR-/HER2+) and triple-negative (HR-/HER2-).

Director of the NCI Dr. Harold Varmus says the fact this report assesses breast cancer as "four molecularly defined subtypes, not a single disease" is a "welcome step, depending on medically important information that already guides therapeutic strategies for these subtypes." He continues, "Further, it is a harbinger of the more rigorous classification of cancers based on their molecular features that is now being aggressively pursued under the President's Precision Medicine Initiative.

The new diagnostic categories now being defined will increasingly support our ability to prevent and treat breast and many other kinds of cancer, as well as monitor their incidence and outcomes more rigorously over time."

## Research Grants:

Molecular Diagnostics and Biomarkers Laboratory (Dr.V.Sritharan) under GMERF, in collaboration with Dept. of Chemical Engineering (Dr. Shalini Gupta), IIT-Delhi secured a DBT-Biotechnology Ignition Grant (Govt of India) for the development of a rapid test device to detect endotoxin in blood samples. This project was for 18 months duration to show the proof of concept with a total budget outlay of 28 lakhs.

A collaborative research Project between Molecular Diagnostics & Biomarkers Lab (Dr.V.Sritharan) and Infection Biology Laboratory (Prof. Manjula Sritharan), Dept of Animal Biology, School of Life Sciences, University of Hyderabad has been approved (Rs.145 lakhs total budget) by Department of Biotechnology(BIRAC), Government of India for the development of multiplex molecular diagnostic assays for detecting MRSA in clinical samples. The duration of the project is 3 years.

### *Congratulations to Dr. Lakshmi K, Chelluri*

*Dr. Lakshmi K, Chelluri has been selected as Consulting Editor for the "International Journal of Nanomedicine" and Editorial Board Member for the Elsevier journal, "New Horizons in Translational Medicine".*

## Health Awareness Talks at Global Health City

As part of our community connect initiatives, Global Health City, Chennai organised Health Awareness Talks to raise awareness about Digestive and Kidney Health on 11th & 18th April' 15 respectively. The sessions lasted more than an hour, each session witnessed active participation



## Awareness Event on Childhood Nutrition and Healthy Lifestyle Habits



As a part of our community-connect initiatives, a fun-filled-awareness event under the theme of "Childhood Nutrition & Healthy Lifestyle Habits" was successfully organised on 25th April at Global Health City. The event comprised of fun games for kids and the interactive health awareness talks by Dr. Meena Raj (Pediatrician) and Dr. Venkatalakshmi (Nutritionist). Over 120 people including parents and their children participated in this event.

## Aware Global Hospitals organises National Workshop on Recent Trends in Arthroscopic Management

It has been observed that knee ligament injuries in the young working population across the country including earning members of family and even women are increasing at an alarming rate. In the last decade, multiple ligament injuries have become very common.



As the people involved in sports activities including police and CRPF, military personal are increasingly getting injured. Also, school and college students who are into sports, fall from two wheelers and road traffic accidents have added to the number of those having multiple ligament injuries.

In order to provide the best of treatment for sports injuries, Aware Global Hospitals, L.B. Nagar, Hyderabad, organised a "National Workshop" with eminent faculty from all over India who are experts to evolve a consensual approach in the treatment of these disabling injuries.



## Global Hospitals Group Goes International



Global Hospitals has forayed into East Africa by launching a state-of-the-art, 125-bed facility in Zanzibar, a semi-autonomous region in the United Republic of Tanzania. The facility, known as Tasakhtaa Hospitals, an Associate of Global Hospitals, India, is located at Stone

Town, a UNESCO World Heritage Site in Zanzibar, a group of islands off the mainland Tanzania. The hospital has been opened in association with Turkey's Group of Companies, one of the largest business groups of Zanzibar.

The Zanzibar facility will provide primary and secondary care services, with some level of tertiary care, and will focus on promoting health and wellbeing of the citizens while preventing outbreak of diseases.

## Aware Global Hospitals, Performs Rare Complex Reconstructive Microsurgery

Aware Global Hospitals, L.B Nagar performed a complex Reconstructive Microsurgery to successfully save the crushed right forearm of a factory worker by reattaching complete severed right forearm of a factory worker. The 6-hour complex replantation surgery involved dissection of the patient's amputated part under magnification to identify the major nerves - the main artery and veins including fixation of the bone and closure of the wound.



The patient was intubated (inserted a tube) and proximal (a point of attachment) part was explored and dissected to identify the main vessels. Then debridement of the dead tissues was done - meaning cutting away at any area that was damaged to the point of being dead. The nerves were then repaired end to end under operating microscope. Muscles and skin were then repaired. After suture removal patient underwent plating of the fracture ulna (a corresponding bone in the forelimb) in the forearm with bone grafting.

## Global Obesity Support Group Meet Held



Global Hospitals Lakdi-ka-pul conducted Global Obesity Support Group Meet on 18th April '15, to bring together obese patients facing complex health conditions and all those who want to help themselves cope with Obesity and related health challenges.

Being a part of Obesity Support Group Meet participants had opportunity to interact with nutritionist after the talk Bariatric Specialist to clear doubts on ways to manage obesity, interact with other members to learn more about obesity, related health problems, success stories of past patients, and understand the journey of the treatment better.

## Lecture on Medication Errors Organized by Global Hospitals, Mumbai



Global Hospitals, Mumbai, organized a lecture on Medication Errors to improve the understanding of junior medical staff, nursing staff & pharmacists regarding medication error and its clinical impact. The lecture was conducted by Dr. Amit Khare from Sanofi Aventis.

Medication errors can happen anywhere, including your own home and in doctors' offices, hospitals or pharmacies. Six main types of medication error can occur in the chain of patient care: prescribing faults, prescription errors, transcription errors, dispensing errors, administration errors, and 'across settings' errors. Knowing what you're up against can help you play it safe. The most common causes of medication errors are:

- Poor communication between consultants
- Poor communication between doctors (general physicians) and their patients
- Sound-alike medication names and medical abbreviations

Medication errors may sound harmless, but mistakes in prescribing, dispensing and administering medications injure hundreds of thousands of people a year across the world. Yet most medication errors can be prevented.

## Global Hospitals launch 'Fatty Liver' awareness Campaign



On the eve of World Liver Day which was celebrated on April 19 this year, Global Hospitals at Parel launched a year long awareness campaign throughout Mumbai recently. This awareness campaign will try to enlighten citizens about the fatty liver disease and how it can be avoided by bringing in lifestyle changes.

Among 50 per cent patients evaluated, there were around 60 per cent who were Non-Alcoholic Fatty Liver Disease (NAFLD) patients or those who have never had alcohol in their lives

Global Hospitals will be opening a Fatty Liver Clinic in Mumbai which will be followed by expert consultations for patient specific plan. Doctors at Global Hospitals will also be conducting seminars and awareness campaigns in various corporates, schools and in general public.

## BGS Global Hospitals Introduces 1st Robotic Assisted Pain Management Technology in Karnataka



BGS Global Hospitals - Super Specialty Quaternary Care, introduced the 1st Robotic Assisted Pain Management Technology in Karnataka, ROBIO EX.

With the introduction of robotics in the field of Interventional

Pain Management, it will hugely benefit the patients suffering from chronic pain due to medical conditions like, Cancer, Knee pain, Neck pain, Low back pain and Chronic headaches etc. Interventional pain management uses techniques, such as injections and radiofrequency rhizotomy, to directly address the source of the pain. The treatment plan is tailored to the condition and degree of pain. Robotic guided interventional pain management has been weighed heavily than the conventional methods. The accuracy, safety and duration of the procedure are highly commendable using robot."

## Omani National Undergoes Rare Surgical Procedure in India

A 48-year-old Omani, Abdullah Ahmed Al Farsi, underwent a rare pre-liver transplant cardiac procedure at Global Health City, Chennai, which has given him a new lease of life. Doctors said Al Farsi was suffering from severe tricuspid valve rare regurgitation, a disease where blood flows in reverse into the right upper heart chamber.



In such cases, patients like Abdullah would be turned down for a liver transplant, but doctors at Global Hospitals, performed a pre-transplant cardiac procedure that allowed him to undergo the transplant recently. His heart had to be mended first so that he could undergo the liver transplant



### In death, he gave life to others

Lungs of brain dead person were brought to Global Health City, Chennai by air on 30 March'15 for transplantation to a needy patient. Timely and co-ordinated team work by Hospital authorities, Traffic police & Airport authorities saved many lives

## Giant leap towards helping mankind suffering from Type 1 diabetes

Type 1 Diabetes Mellitus results when the body cells kill gradually all beta cells of the pancreas which produce insulin. Deficiency of insulin results in poor metabolism of glucose leading to hyperglycemia. Because this problem starts usually early in life, patients suffering from Type-1 diabetes mellitus develop all complications of poor metabolism of glucose at a young age and become dependent on insulin injections.

Though novel delivery systems of insulin are being developed, type-1 diabetes mellitus is still a painful disease and significantly reduces the life span of such individuals. Stem cells have revolutionized the therapeutic solutions/options to some of the most difficult to treat genetic and acquired diseases and once such disease in which several groups are working is type 1 diabetes mellitus. Professor Doug Melton, at Harvard University has developed methods to selectively differentiate stem cells to beta cells of pancreas - several billions of them, and implanted them in mice and challenged the mice several times with glucose and the mice have responded positively. The implant device is being perfected in collaboration with MIT, Cambridge which would house about 150 million beta cells and which should also be protected from autoimmune attack. Prof. Melton is collaborating with Daniel G. Anderson, the Samuel A. Goldblith Professor of Applied Biology at the Massachusetts Institute of Technology (MIT) in the US. Though several groups are working on the development of beta cells, this is according to Prof. Melton, the first time that mature beta cells have been produced, housed in a implant device and tested in mice over several months. The device is still working satisfactorily. These differentiated stem cells are being tested in large mammalian animal models including primates. Prof. Melton who is also a scientific director at Harvard Stem Cell Institute and re-regenerative biology hopes the device will be ready for human trials in a next few years. A report on the new work has been published by the prestigious journal Cell recently.

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RANKED AMONG  
**TOP 3**  
BEST MULTI-SPECIALTY HOSPITALS IN SOUTH INDIA



Global Hospitals, Hyderabad  
BGS Global Hospitals, Bengaluru  
Global Health City, Chennai

An OMS Initiative, The Times of India

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### Global Hospitals Group



Global Hospitals, Lakdi-ka-pul, Hyderabad



Global Hospitals, L.B. Nagar, Hyderabad



Global Health City, Chennai



BGS Global Hospitals, Bengaluru



Global Hospitals, Mumbai

