

HOSPITALS & CLINICS

Nanavati Hospital opens new Cath-lab

Our Bureau, Mumbai

DR Balabhai Nanavati Hospital, Mumbai, has opened a renovated Cath-lab, as part of revamping its operations, placing it at par with top healthcare institutions in the country. Radiant Life Care Private, which recently took over its operations and management

hai Nanavati Hospital.

"We are introducing the global hospital management best practices and expanding the operations to transform Nanavati into a world class facility. The Cath-lab is just the first initiative in this direction," Soi said.

"The lab has state-of-the-art facilities to make it as one of the best in the countries. Our lab is busiest in the City and

"The lab has state-of-the-art facilities

to make it as one of the best in the countries.

Our lab is busiest in the City and we perform on

an average 3000 procedures every year"

installed the lab on a priority basis to put Dr Balabhai Nanavati Hospital – Heart Institute (NHHI), on full stream with comprehensive facilities.

Radiant chairman Abhay Soi opened the new Cath-lab recently in the presence of all the leading cardiologists and other top doctors of Dr Balab-

we perform on an average 3000 procedures every year," said Dr Lekha Pathak.

Dr. Balabhai Nanavati Hospital – Heart Institute is one of the most comprehensive cardiac centers in the city with invasive cardiology, cardiac surgery, non-invasive cardiology and intensive cardiac care unit under one roof. ♦

inStem develops drug delivery system to avert graft rejection in organ transplant

Our Bureau, Bengaluru

INSTITUTE for Stem Cell Biology and Regenerative Medicine (inStem) in association with University Hospital of Bern, Switzerland and Brigham and Women's Hospital (BWH), USA has developed a hydrogel-based drug delivery system to mitigate graft rejection in organ transplant. The device when prompted helps to target controlled release of medication to where it is needed and when it is needed. The research carried out on rat model has proven successful but would take some time to be tested on humans.

inStem is located within the campus of National Centre for Biological Sciences (NCBS), Bengaluru. The researchers indicated that following a tissue graft transplant of the hand, arm or leg, administering an immunosuppressant drug is to prevent the recipient's body's immune system from rejecting and attacking the new organ part. However, there are toxicities associated with delivering these drugs systemically and side effects since suppressing the immune system can make

a patient vulnerable to infection.

But now using a biomaterial 'hydrogel', is seen to be answer to diminish the drug reactions during a transplanted graft survival. This study is published August 13, 2014 in Science Translational Medicine.

"Until now, drug delivery to treat autoimmune and inflammatory diseases have been extremely challenging due to unpredictable disease severity and the failure of traditional drug delivery systems. Hence, developing a novel approach to deliver the immunosuppressant drug has been our vision," said I Praveen Kumar Vemula, Principal Investigator, inStem and Ramalingaswami Fellow and corresponding study author.

The researchers developed a hydrogel loaded with an immunosuppressant drug tacrolimus. It was injected under the skin after transplant surgery in a rat. The hydrogel remained inactive until it detected inflammation or immune response from the transplant site at which point it delivers the immunosuppressant drug for months locally within the transplanted graft.

LVPEI performs India's first orbital implant surgery

Our Bureau, Hyderabad

L.V. Prasad Eye hospital in Hyderabad has performed India's first inflatable orbital implant surgery on a one year child, born with only one eye.

Taking one more step ahead in the eye care (ophthalmic) research, L V Prasad Eye Institute (LVPEI) has pioneered the implantation of Inflatable Orbital Tissue Expander (IOTE) for the first time in India. With this, the institute can now offer solutions to thousands of children suffering from Congenital Anophthalmia

stays in the natural position of the absent eyeball, and can be gradually inflated with saline injections at regular intervals similar to inflating a balloon. With this new development, those afflicted with congenital anophthalmia can have symmetrical bony facial growth and will be able to lead a normal life.

With the commencement of this new IOTE implantation surgery, the patients suffering from Congenital Anophthalmia can get rid of the problems of asymmetric facial bone growth, leading to a significant cosmetic deformity in adult life. Early


**CHRONICLE
PHARMABIZ**

FORTHCOMING SPECIAL FEATURES

4 September 2014

GUJARAT

18 September 2014

HOSPITAL & CLINIC

BANGLADESH