Events

November 2019

#Volume III

PSG Hospitals & PSG Tech collaborate to make Medical Devices Affordable for all

RICS - 2019

PSG Hospitals jointly launched a day event on Research and Innovations in Cardiovascular Science (RICS) on 29.11.2019 to celebrate the Hospitals Cardio Department contributions in the field of Cardiology. The event also served as a platform for many pre-eminent men in various fields of healthcare to gather and talk about how indigenous medical device manufacturing could solve the burden that people face in India due to inaccessibility and unfeasibility.

Dr.J.S.Bhuvaneswaran, Director, PSG Super Specialty Hospital welcomed the gathering. He mentioned that this program is very much required in this present time as the need for indigenous medical devices is more. He felt glad that while most events like this have clinical deliberations, this event on the other hand has deliberations on Research and Innovations.

G.B.Karthikayan, Founder Trustee, PSG & Sons Charities mentioned about the difficulty in starting a private medical college in the past, and credited Dr.Vinayak, the founder Trustee of PSG Hospitals as a man of foresight and great vision.

He said the Engineering colleges of PSG have got its own reputation and technology. We have a department there for making medical devices. It is now time to combine that medical device department with the hospital to innovate medical equipment.

Cardiac Surgeons, Cardiothoracic surgeon, Operation room related specialists, ie medical, biotechnological, nanotechnology, mechanical engineers and all paramedical science specialists are participating in this event.

Dr.S.Ramalingam, Dean, PSG IMSRR in his keynote Address said that though the Right to Health is not a fundamental right in the Indian Constitution, Right to Life falls in that category and it cannot be lived without health.

A device called Orpax that is used in Beating Heart Surgery is also being manufactured by Cardiovascular Dept with PSG Tech's assistance.

A crowning achievement in this endeavor is that Dr.N.Ramalingam, Urologist and Urology Scholar at PSG IMSR has developed a Robotic Endo-clip with CE Chirurgical and PSG Tech. The product has reached an advanced and mature stage.

He said that with the enormous support from PSG & Sons Charities and from the Government, PSG could contribute greatly to the nation.

Following that RICS 2019 Best Innovator Awards were presented to the theatre behind such inventions. Later the knowledge seminars commenced. Luminaries from various part of the TN and other districts shared their knowledge and ideas.

PSG Medi Pulse

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Welcome our New Doctors

Dr. Thrilok Natarajan
MD (PAED)., MRCPCH(UK)
Department of Paediatrics

Dr. R. Shree Vishnu Siddarth
M.S., M.CH (UROLOGY)
Department of Urology and Andrology

Dr. S. Krupa Shankar
MD.,MHSC
Department of Medical Oncology

PSG Medi Pulse

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Director : Dr.J.S.Bhuvaneswaran

Message

தமிழ்: பொறியியல் படிவாய்வுகளுக்கு காரணமாக உரையுள்ளது. என்றும், பொறியியல் ஆட்சி படியாளர்கள் போன்றவர்களே புரோசாக்கும் உள்ளன. புரோசாக்கும் பொறியியல் படியாளர்கள் போன்றவர்களின் வழங்கும் தமிழ் சொல்லிகள் மற்றும் கற்பியல் தமிழ் கொள்கைகள் போன்றவை ஏனைய பொறியியல் படியாளர்கள் கேட்டுள்ளன.

English Translation:

They who are united to the glorious feet of Him who passes swiftly over the flower of the mind, shall flourish long above all worlds.
The Heart team at PSG conducted successfully a rare complex high risk cardiac surgery.

A 54-year-old gentleman was referred from Trichy with a persistent chest and back pain and accelerated arterial system hypertension.

Work up revealed an acute Type A aortic dissection with aortic annular calcification. Dissection in the aorta extended distally up to the left common iliac artery. The left renal artery was found to take origin from the false lumen. Any delay in intervention would have led to a worsening of the dissection and malperfusion syndrome. He was, therefore, taken up for an emergency surgical repair by replacing the ascending aorta with a volved conduit and re-implantation of coronary buttons (Bentall’s operation).

There are a few practical problems in this life saving procedure. Maintaining extra corporal circulation during aortic repair may worsen the dissection and organ malperfusion. Emergency repair in an acutely dissected aorta by Bentall’s operation may be associated with serious aortic root bleed and its complications. Myocardial protection during a long aortic cross clamp time is technically demanding. In our case, the whole procedure went on well ever 3 hours with aortic cross clamp time of 2 hours. We established the carotis pulmonary bypass (CPB) by right atrial and right femoral artery. (in view of the poor right atrial artery not being suitable for cannulation).

Bypass was done with centrifugal pump. Cardioplegic arrest was obtained with custoidal cardioplegic solution. Regional hemostatic agents were utilized to optimize the suture line hemostasis with treated pericardial patch reinforcement.

Post operative recovery was satisfactory and the patient was found doing well, at 3 months post procedure follow up. His medications include beta blockers, angiotensin converting enzyme inhibitors. He is also on oral anticoagulant with a target INR of 2.3.