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New generation coronary stents: The advantages and its limitations

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Abstract

Coronary stenting or Percutaneous Coronary Intervention (PCI) is the mainstay of treatment for stenosed coronary arteries. Significant changes have been added to the coronary stent with drug-eluting stents (DES) favoured over bare metal stents. However, the initial DES was still not free of problems. Newer generations stents are more trackable and conformable to the vessel wall. These stents are also less thrombogenic hence reducing the stent thrombosis rates significantly. However, these stents have certain limitations among which include stent shortening. This can be overcome with proper and careful stent deployment emphasizing on good operator technique. Future stents will also see involvement of bifurcating stents and absorbable stents with certain stents already using a biodegradable polymer coating.

Biography

Current position is Consultant Cardiologist and Senior Lecturer in Cardiology and Internal Medicine, Interventional Cardiology Unit, University Malaya Medical Center (UMMC), Kuala Lumpur, Malaysia. Obtained Bachelor of Medicine and Bachelor of Surgery (MBBS) from University of Malaya in 1997. Membership from the Royal College of Physicians, Ireland (MRCP) in February 2002. Involved in many local and international multicenter trials, with main interest in erectile dysfunction (ED) and heart diseases. Won first prize for best research at national level in 2006 at the Malaysian Society of Hypertension (MSH) conference. Main cardiology interest is coronary artery based diseases and preventive and rehabilitative cardiology.
Research work on ED was presented at the TCT 2008 in Washington DC. Presented two abstracts in Heart Failure, Nice, France 2009. Presented another abstract in World Congress of Cardiology in Beijing 2010. Invited to give talks in India, Brunei, Seoul and Hanoi (ASEAN Congress of Cardiology). Invited Faculty to many Cardiology Conferences.