

22nd WORLD CARDIOLOGY CONFERENCE

December 11-12, 2017 | Rome, Italy



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Current perspective of chronic heart block and pacemaker implantation in India

Chronic AV block is a common problem in India, posing a high economic burden as most require permanent pacemaker implantation. Chronic AV Block shows significant geographical variation in its prevalence, where Eastern India bears the brunt of the disease, almost 90% permanent pacemaker implantation being done in West Bengal today. Our objective of the study was evaluation of etiological aspect of heart block, technical details of permanent pacemaker as refinement, simplification and improvement in pacemaker technologies, programmability, changing indication of pacemaker implantation. Prevalence of chronic AV block is 2.47% per year with West Bengal tops the list with almost more than 70% prevalence, Assam with 10%, Bihar with 12.8%, Orissa 5% and Tripura with 2% prevalence. We also have studied frequency of pacemaker implantation, replacement, pacing models, follow up methods, character and frequency of complications, types of pacemaker. In evaluation of etiologies, - Coronary artery disease, hypertensive heart disease, cardiomyopathies, valvular heart disease, congenital heart disease, degenerative heart disease, are in the list. We also evaluated the issue of indigenous pacemaker, reuse of pacemaker, cleaning and sterilization procedure.

Biography

Manotosh Panja is the Chief Adviser in Medical Education and Senior Interventional Cardiologist at B M Birla Heart Research Centre. He is Director of Interventional Cardiology at Belle Vue Clinic. Formerly, he was Director, Professor and Head of Cardiology Division at S S K M Hospital and Institute of Post Graduate Medicine Education & Research. He was Dean of Indian College of Physician (2012-2013). He was also President of Cardiology Society of India (1995-1996) and Association of Physician of India (2003-2004). He is a Fellow of American College of Cardiology. He has Published 270 papers. He is also a recipient of Dr. B C RAY National Award by Medical Council of India, presented by President of India. He is an Examiner of DM (Cardiology) and D N B Cardiology, AIMS (Delhi), PGI (Chandigarh) and all other universities of India.

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