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Anaesthetic Management of a Patient with Permanent Pacemaker - a Anaesthetic Challenge and Overview of Pacemakers

Asian Journal of Pharmaceutical and Health Sciences, 2014, 4, 3, 1032-1034.

Published: August 2014

Type: Case Report

Authors: Shivanand LK (<http://ajphs.com/articles?f%5Bauthor%5D=458>), Prathiba (<http://ajphs.com/articles?f%5Bauthor%5D=459>), and Holyachi (<http://ajphs.com/articles?f%5Bauthor%5D=460>)

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Shivanand LK*, Prathiba, Renuka Holyachi

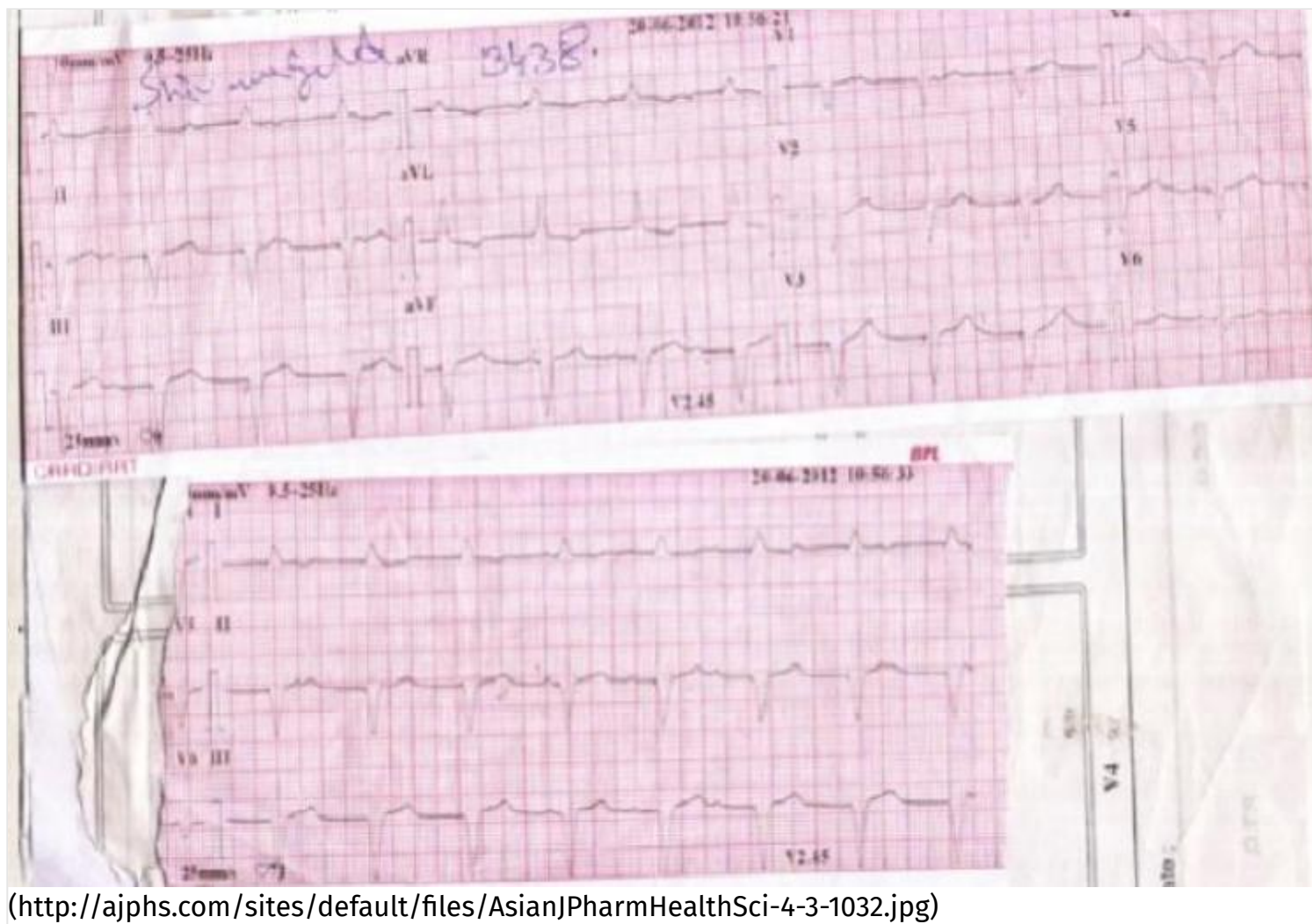
BLDUE'S Shri B.M Patil Medical College, Hospital and Research Centre, Bijapur, Karnataka, India.

Abstract:

Pacemakers are the devices which will produce automaticity of the heart by initiating electrical mechanical activity. Type of the pacemaker, type of pacing, manufacturer address, battery life, any malfunctioning of the device should be known by anaesthesiologist well before of the case. This knowledge help us to avoid complications and to choose which type of anaesthesia for that particular surgery. Its know always what all things we are using inside the operation theatre which interferes with the electrical mechanical activity and how to manage them. Choosing of anaesthesia technique is very important for the safety of the patient, as there are many complications like arrhythmia, malfunctioning of the device, hypotension, cardiac arrest can occur. We should be aware of these complications and should take precautions to reduce complications. we are thus concluding nerve blocks can also be safest anaesthesia techniques for many surgeries with patients with permanent pacemakers. Regional anaesthesia techniques are very much safe in these type of cases. Nerve blocks are safest because they cause least interference with haemodynamics.

Keywords: HAART (</articles?f%5Bkeyword%5D=401>), HDL (</articles?f%5Bkeyword%5D=92>), HIV (</articles?f%5Bkeyword%5D=231>), Hypolipidaemia (</articles?f%5Bkeyword%5D=455>), Low CD4 count (</articles?f%5Bkeyword%5D=456>)

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His ECG showed LBBB with pacing spikes

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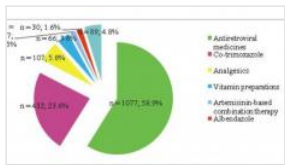
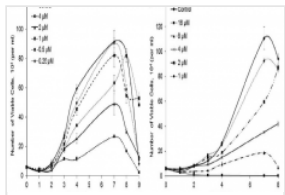


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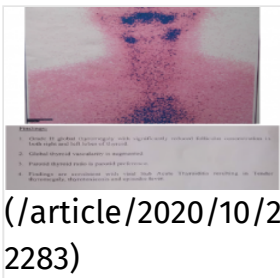
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Catecholamine	Dobutamine, Dopamine
PD-1 inhibitor	Milvexic, cemiplimer
Calcium antagonist	Levamisole, Piroxicam
Sodium-potassium-ATPase	Furosemide
Inhibitor and SERCA activator	
Myosin activator	Omecamtiv mecarbil
SERCA activator	Calcium chloride
Myosin inhibitor	Dantrolene

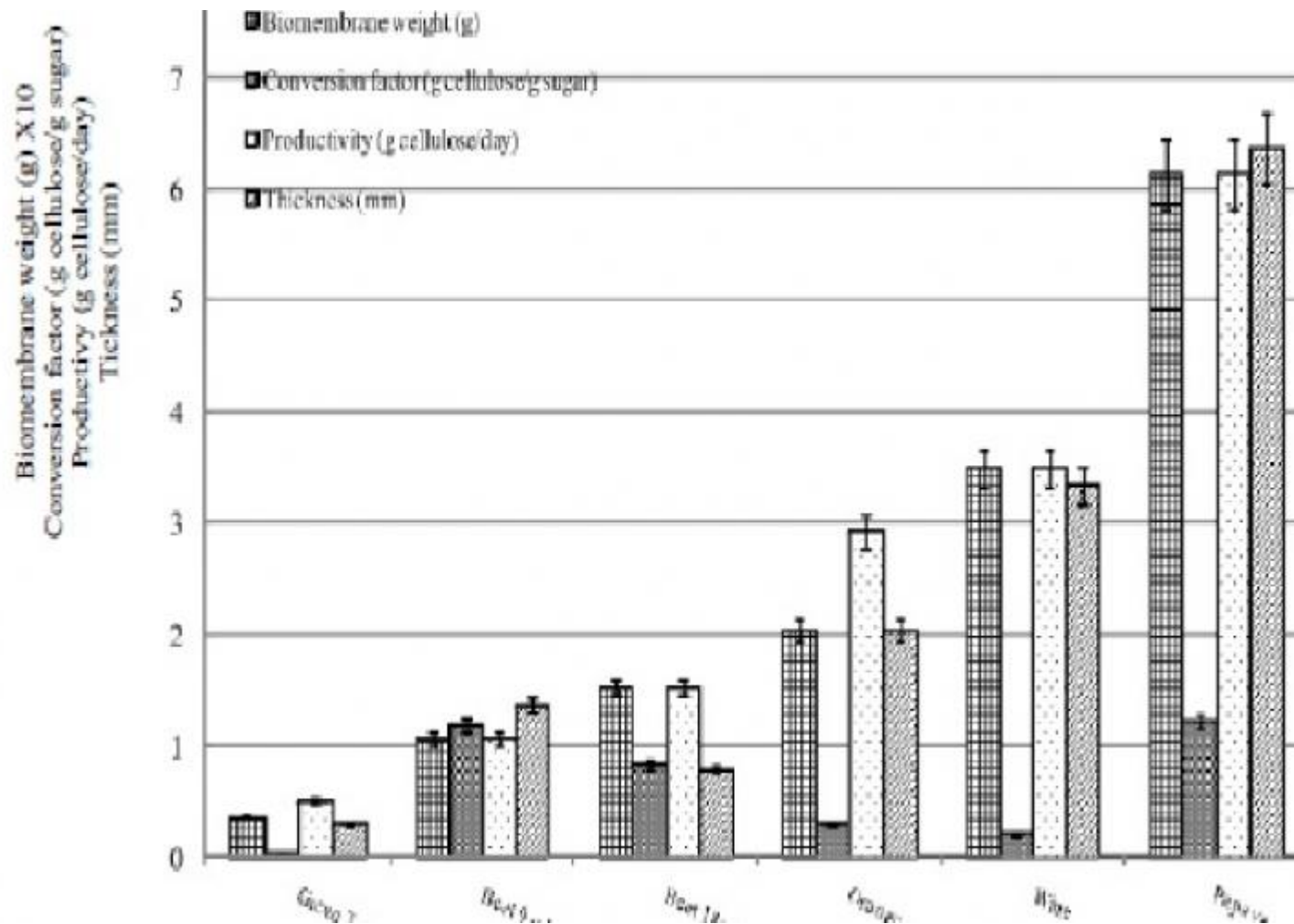
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