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Manuscript Type: CASE REPORT

Neuromuscular electrical stimulation for a dysphagic stroke patient with a cardiac pacemaker using magnet mode change: A case report

Kim M *et al.* Applying magnet on pacemaker for safe NMES

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Abstract

BACKGROUND

Electromagnetic interference (EMI), means disturbance to the operation of implanted electrical devices caused by external sources. If cardiac pacemaker is implanted into the body, the risk of EMI should be considered when performing neuromuscular electrical stimulation (NMES). So far, no case has been reported that clinical magnets are used to safely manage the EMI risk of patients with cardiac pacemaker in NMES.

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