

Dynamic Monitoring of Cardiac Foreign Body by Echocardiography Perioperatively

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July 24, 2020

Abstract

Cardiac injury presents a great challenge to the emergency doctors because these injuries require urgent intervention to prevent death. Sometimes serious cardiac injury may manifest only subtle or occult symptoms or signs. Cardiac foreign bodies induced cardiac penetrating injury infrequently and may lead to unpredictable complications, especially for those with sharp nature. However, we know little about the migrating paths or the foreign bodies location changes of such cases. As there is a rarely reported case of cardiac penetrating injury caused by a self-inflicted needle that migrated from the neck to the heart, we herein present a review of such injury on dynamic monitoring using perioperative echocardiography showed the needle shuttled through the ventricular wall along with increasing pericardial effusion.

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