

Surgical Repair of Pacemaker Lead Induced Right Ventricular Perforation

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1. Clinical Image

A female 33 years old patient, was admitted to the local hospital due to “repeated palpitations and syncope “ more than 7 months ago. She was diagnosed with arrhythmia, which was poorly controlled with medication. Therefore, she underwent pacemaker implantation surgery. Two days ago, the patient presented with vomiting, chest tightness, syncope. The patient was transferred to the local hospital for examination, and the CT scan suggested “ICD lead perforation”. Based on the symptoms, the patient was sus-

pected of having pericardial tamponade. She was recommended to receive an emergency hybrid operation. Under X-ray fluoroscopy, we had observed a displacement of the implanted pacemaker electrode(A). A 5-0 prolene mattress suture was placed around the pacemaker electrode, the suture was tightened after the electrode that has perforated through the heart tissue has been cut off. At the same time, we dissected the pacemaker along the original incision under the left clavicle and removed it. The cardiologist re-implanted a new pacemaker.

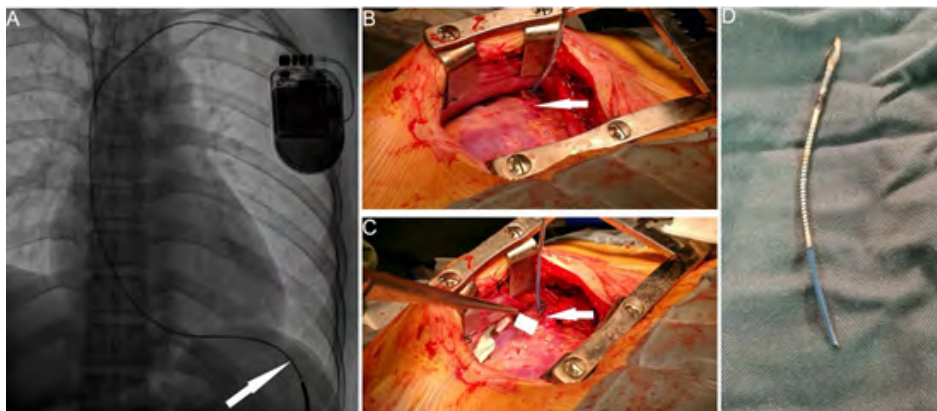


Figure: