






# Komplikacije ekstrakcija elektroda: prikaz slučaja

## Complications of electrode extractions: a case report

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Postupak ekstrakcije elektroda, iako uspješan kod većine bolesnika, spada u najkompleksnije i najrizičnije zahvate iz područja kardiologije.<sup>1,2</sup> Dijelimo ih u dvije glavne skupine: teže i lakše. U teže komplikacije se ubrajaju: smrtni ishod, razdor miokarda s posljedičnom tamponadom, razdor velikih vena, plućna embolija koja zahtjeva kiruršku intervenciju. Lakše komplikacije koje mogu nastati su: perikardijalni izljev koji ne zahtjeva perikardiocentezu ili kirurški zahvat, hematotoraks koji ne zahtjeva torakalni dren, otekline gornjeg ekstremiteta ili tromboza vene putem koje je elektroda bila uvedena, zračna embolija, pneumotoraks. Prikazat ćemo slučaj bolesnika kod kojeg je prilikom ekstrakcije elektroda, došlo do razdora velike krvne žile, stanja koje zahtijeva hitnu kiruršku intervenciju otvaranjem prsnog koša.

The electrode extraction procedure, although successful in most patients, is one of the most complex and risky procedures in the field of cardiology.<sup>1,2</sup> Complications can be more or less serious. More serious complications include: death, myocardial rupture with consequent tamponade, rupture of large veins, pulmonary embolism that requires surgery, and other. Mild complications that can occur are: pericardial effusion that does not require pericardiocentesis or surgery, hemothorax that does not require thoracic drain, swelling of the upper extremity or vein thrombosis through which the electrode was inserted, air embolism, pneumothorax, and other. We will present the case of a patient in whom, during electrode extraction, a large blood vessel ruptured, a condition that requires urgent surgical intervention by opening the chest.

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