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Possible coronary artery dissection due to electrical shock resulted in myocardial infarction

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Electric shock induced myocardial infarction is a rare condition. Electric shocks can lead to a wide variety of clinical conditions from skin burns to fatal arrhythmic complications. Coronary angiogram of those patients are usually normal. Coronary thrombosis after electric shock has been accused of this consequence. The right coronary artery is the most affected artery. It's believed to be due to the location of the right coronary artery, which is in close proximity to the chest wall. This case is about a 49 years old female patient presented with myocardial infarction right after an electric shock. The coronary angiogram revealed right coronary artery dissection. According to best of our knowledge, this is first case in the literature. The complete revascularization was achieved by implantation of a bare metal stent in the dissection site.

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