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# Electrical storm after acute myocardial infarction: challenges in patients care in the coronary unit

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**KEYWORDS:** electrical storm, acute myocardial infarction, ventricular arrhythmias, coronary unit, nursing care.

**CITATION:** Cardiol Croat. 2026;21(11-12):366. | https://doi.org/10.15836/ccar2026.366

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**Introduction:** Electrical storm is a serious and potentially life-threatening complication of acute myocardial infarction, characterized by repeated episodes of ventricular arrhythmias that require emergency treatment.[1,2] It is most commonly manifested by episodes of ventricular tachycardia and ventricular fibrillation, which can lead to hemodynamic instability, cardiac arrest, and death. Acute myocardial ischemia, electrolyte disturbances, decreased left ventricular function, and increased sympathetic nervous system activity contribute to its occurrence.[2,3] *Aim*: To present the challenges in the care of patients with electrical storm after acute myocardial infarction, with special emphasis on the competencies of nurses in timely recognition of life-threatening arrhythmias, implementation of emergency interventions, and ensuring continuous intensive care.

Management of electrical storms requires rapid recognition of cardiac rhythm disturbances, continuous electrocardiographic and hemodynamic monitoring, and coordinated action by a multidisciplinary team. In the coronary care unit, the nurse plays an important role in recognizing early signs of clinical deterioration, assessing the patient's condition, preparing equipment for defibrillation or cardioversion, and participating in cardiopulmonary resuscitation procedures. Special attention should be paid to the safe use and monitoring of the effects of prescribed antiarrhythmic therapy, monitoring electrolyte status, and timely recognition of recurrent myocardial ischemia. Significant challenges include the recurrence of arrhythmias despite treatment, the risk of sudden cardiac arrest, and the need for advanced treatment methods, including catheter ablation and mechanical circulatory support. In addition to clinical care, nursing care includes psychological support, reducing stressful stimuli, and effective communication within the healthcare team.[4]

Timely recognition of electrical storms, continuous monitoring, and coordinated treatment are key to stabilizing patients after acute myocardial infarction. The professional competence of the nurse, the ability to respond quickly, and active participation in the multidisciplinary team play an important role in safe patient care and reducing the risk of adverse outcomes.

**RECEIVED:**
**October 20, 2026**
**UPDATED:**
**November 4, 2026**

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