



Cardiopulmonary Resuscitation: Recent Advances and Future Challenges

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Message from the Guest Editor

Out-of-hospital cardiac arrest (OHCA) is one of the leading causes of death. Vital resuscitation interventions that improve survival from OHCA are collectively known as "The Chain of Survival". Various studies have emphasized the role of bystanders, the prompt usage of AED and usage of additional devices to improve the outcome of OHCA patients.

Even though bystander cardiopulmonary resuscitation (CPR) and shortened time to defibrillation have improved in the last few years, we are dealing with the increasing age of patients with OHCA and decreasing proportion of patients that present a shockable initial rhythm. Hence, what else can be done to improve the neurological outcomes and survival rate of OHCA patients?

The aim of the present Special Issue is to review all the important aspects of managing OHCA patients, its therapy goals and measures that can potentially improve survival and, above all, improve the neurological outcome of the victims of sudden cardiac arrest.

The Special Issue presents research from a wide field of emergency and critical care, addressing the most key issues in CPR in the field, the emergency departments and the intensive care units.





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