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Reply to the letter from A. Zorzi and D. Corrado. Rhythm analysis with an AED in an unconscious athlete

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Published online: 8 March 2018

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We thank our colleagues Zorzi and Corrado for their comments on the problem of delayed on-site cardiopulmonary resuscitation and defibrillation with an AED when the athlete loses his/her consciousness during exercise [1, 2]. Those problems are well illustrated in their video from episodes of sudden cardiac arrest (SCA) in 22 athletes. They correctly stress the confusion created when agonal breathing and limb movements may mistakenly be interpreted that the person is still alive [1]. We agree with Zorzi and Corrado that the immediate use of an AED would allow recognition of a cardiac cause of unconsciousness, i.e. ventricular tachycardia or fibrillation or asystole [1]. Indeed, immediate cardiac massage and rhythm analysis with an AED should be performed as soon as possible in an unexpected unconscious athlete.

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References

1. Zorzi A, Corrado D. Cardiac arrest during sports activity is difficult to recognize? Let's the AED do the job! Neth Heart J. 2018; doi:<https://doi.org/10.1007/s12471-018-1097-1>.
2. Panhuyzen-Goedkoop NM, Wellens HJ, Piek JJ. Early recognition of sudden cardiac arrest in athletes during sports activity. Neth Heart J. 2018;26:21–5.

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