

Evaluation of the theoretical knowledge acquired by physicians after a cardiopulmonary resuscitation (CPR) seminar.



Vázquez Grande, G.^(A); Valdivia de la Fuente, M.^(A); Martínez Álvarez, L.^(A); Lipperheide Vallhonrat, I.^(A); Fernández Simón, I.^(A); Alcántara Carmona, S.^(A); Pérez Redondo, M.^(A); Villanueva Fernández, H.^(A); Balandín Moreno, B.^(A); Ortega López, A.^(A).

^(A) Hospital Universitario Puerta de Hierro Majadahonda, Madrid, Spain.

Objective:

To evaluate whether the knowledge and skills acquired during an advanced CPR seminar, given in 2010 to physicians in our hospital, remains 45 days later.

Secondary objectives: we wanted to assess their self-confidence applying the skills learned, forming part of a CPR team; and also know if they consider it useful to refresh their knowledge and skills every six months.

Methods:

Prospective study. 41 physicians attended to our advanced CPR seminars in 2010.

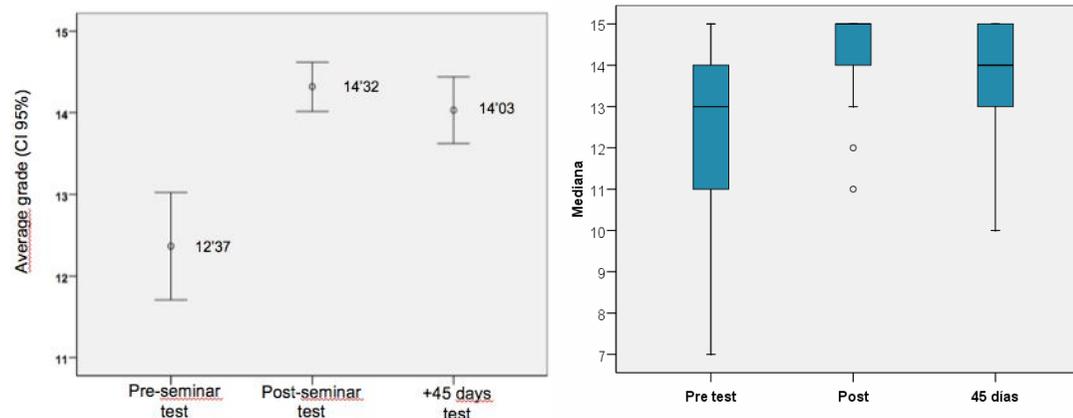


The results of the three tests were compared.

Statistical analysis: t of Student. The results are shown as means difference, with a confidence interval of 95% (CI95%).

Results:

The 41 physicians had already attended previous CPR seminars. All of them completed the pre and post-seminar tests, 34 the test +45days.



Pre-seminar and post-seminar test: n=41, 39/41 improved their grade 1.95 points [CI95 (2.5-1.4), p< 0.0001] in the post-seminar test.

Pre seminar test and test +45días: n=34, they improved their grade in 1.61 points [CI95 (2.27-0.96), p< 0.0001].

All of them (34/34) felt capable of performing a basic CPR. The 33% (11/34) did not feel capable of forming part of an advanced CPR team. An 80% (27/34) of the participants believed that reinforcement courses every six months would be useful.

Conclusions:

- Despite the fact that all of the participants in our advanced CPR seminar had previous knowledge, and had good grades in the first test, a clear improvement in theoretical knowledge was obtained after our seminar. We also noticed that the knowledge acquired during the tutorial prevailed through time.
- Nevertheless, despite this high level in theoretical knowledge, a third of our physicians did not feel capable of taking active part in an advanced CPR team. The majority thought that periodic recycling courses would be useful.