

SHOULD TRAINERS ASSESS TRAINEE PERFORMANCE IN REAL TIME DURING A SIMULATED NEWBORN RESUSCITATION ?

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Background and aims

ILCOR recommends newborn resuscitation to proceed in a step-by-step manner. Performing step A is not only important for the management of the resuscitation but also a challenge for teaching. Simulation-based training is a pedagogically effective method which provides rich a learning experience because scenarios have to be coupled with debriefing. Consequently, debriefing requires a correct assessment of trainee performance in real time.

Objective: to determine if the trainers can evaluate the execution of step A in real time during a simulated newborn resuscitation and if their dedicated role during the session should have an impact on their assessment.

Methods

a prospective study from January to June 2015 (2010-ILCOR guidelines). Assessment in real time using a step A task grid with two levels of evaluation: level 1 = tasks executed within the scenario, level 2 = tasks executed within a time constraint (30 seconds from 2010-guidelines). The assessments were compared to the video recording. Three or four trainers were present: in the debriefing room watching the video (D), in the video room (V), as an actor (A), or managing the manikin with the computer (C),

Results

67 scenarios were performed, 4 without video recording, 9 of the scenarios were overseen by only 3 trainers (without V). A total of 467 tasks were assessed by D, A, C and 401 tasks by V. Table 1 =success rates

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level	D	V	A	C	p
1	88%	78%	77%	68%	<0,0001
2	78%	68%	66%	57%	<0,0001

Conclusions

A dedicated trainer seems necessary to assess in real time. The most efficient place should be in the debriefing room watching the video.