

عنوان مقاله:

Impact of Video-recorded Debriefing and Neonatal Resuscitation Program Workshops on Short-term Outcomes and Quality of Neonatal Resuscitation

محل انتشار:

مجله علمی ناباروری ایران، دوره 11، شماره 2 (سال: 1399)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Background: The goal of neonatal resuscitation is to prevent death and further complications, reestablish spontaneous respiration, and achieve sufficient cardiac output. Inappropriate or wrong resuscitation will result in the death of neonates or long-term side effects. The present study was performed to compare the effects of video-recorded debriefing and neonatal resuscitation program (NRP) workshops on the short-term outcomes and quality of neonatal resuscitation. **Methods:** In this semi-experimental study with three groups, 90 cases of neonatal resuscitation were videotaped at the delivery and operating rooms of Omolbanin Hospital of Mashhad, Iran. This research was conducted within three periods. In the first stage, 30 resuscitation cases were recorded as the control group. In the second stage, all the members of the resuscitation teams participated in the training workshops, and in the third stage, they participated in the debriefing sessions. The data were analyzed by the Chi-square and one-way analysis of variance using SPSS software (version 16). **Results:** The results of this study showed that the debriefing method significantly improved short-term outcomes, such as the length of pulse improvement, and time to breathe spontaneously, returning duration of neonate's color to the natural state, and resuscitation quality ($P < 0.001$). Also, the mean of Apgar scores in 1, 5, and 10 min increased in the debriefing group, compared to those reported for other groups; however, these changes were not statistically significant. **Conclusion:** According to the results of this study, despite the fact that educational workshops were held, new methods, such as debriefing, play an important role in improving the knowledge and skills of people who are involved in the resuscitation of newborns.

کلمات کلیدی:

Debriefing, Neonatal resuscitation, NRP Workshop, Short-term Consequences of Resuscitation, Video recording

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