

Accepted Manuscript

Title: Variability in the time to initiation of CPR in continuously monitored pediatric ICUs

Authors: M. Olson, E. Helfenbein, L. Su, M. Berg, L. Knight, L. Troy, L. Sacks, D. Sakai, F. Su



PII: S0300-9572(18)30143-6
DOI: <https://doi.org/10.1016/j.resuscitation.2018.03.033>
Reference: RESUS 7551

To appear in: *Resuscitation*

Received date: 28-12-2017
Revised date: 17-3-2018
Accepted date: 26-3-2018

Please cite this article as: Olson M, Helfenbein E, Su L, Berg M, Knight L, Troy L, Sacks L, Sakai D, Su F. Variability in the time to initiation of CPR in continuously monitored pediatric ICUs. *Resuscitation* <https://doi.org/10.1016/j.resuscitation.2018.03.033>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Variability in the time to initiation of CPR in continuously monitored pediatric ICUs

Authors: Olson, M., Helfenbein, E., Su, L., Berg, M., Knight, L., Troy, L., Sacks, L., Sakai, D. and Su, F;

Revive Initiative at Stanford Children's Health

Word count: 1949

Abstract:

Aim: To study the influence of patient characteristics and unit ergonomics and human factors on the time to initiation of CPR.

Methods: A single center study of children, 0 to 21 years old, admitted to an ICU who experienced cardiopulmonary arrest (CPA) requiring > 1 minute of chest compressions. Time of CPA was determined by analysis of continuous ECG, plethysmography, arterial blood pressure, and end-tidal CO₂ (EtCO₂) waveforms. Initiation of CPR was identified by the onset of cyclic artifact in the ECG waveform. Patient characteristics and unit ergonomics and human factors were examined including CPA cause, identification on the High-Risk Checklist (HRC), existing monitoring, ICU type, time of day, nursing shift change, and outcome.

Download English Version:

<https://daneshyari.com/en/article/8675609>

Download Persian Version:

<https://daneshyari.com/article/8675609>

[Daneshyari.com](https://daneshyari.com)