Critical incidents related to cardiac arrests reported to the Danish Patient Safety Database - DTU Orbit (22/04/2019)

**Critical incidents related to cardiac arrests reported to the Danish Patient Safety Database**

**Background** Critical incident reports can identify areas for improvement in resuscitation practice. The Danish Patient Safety Database is a mandatory reporting system and receives critical incident reports submitted by hospital personnel. The aim of this study is to identify, analyse and categorize critical incidents related to cardiac arrests reported to the Danish Patient Safety Database. Methods The search terms "cardiac arrest" and "resuscitation" were used to identify reports in the Danish Patient Safety Database. Identified critical incidents were then classified into categories. Results One hundred and seven reports describing 122 separate incidents were identified and classified into incidents related to: alerting the resuscitation team (n = 32; 26%), human performance (n = 22; 18%), equipment failure (n = 19; 16%), resuscitation equipment not available (n = 13; 11%), physical environment (n = 14; 11%), insufficient monitoring (n = 14; 11%), and medication error (n = 8; 7%). Conclusion Critical incidents related to cardiac arrest occur due to logistical, technical, teamworking and knowledge problems. These findings should be considered when planning education and implementing resuscitation practice.

**General information**
Publication status: Published  
Organisations: Safety, Reliability and Human Factors, Department of Management Engineering, Copenhagen University Hospital  
Contributors: Andersen, P. O., Maaløe, R., Andersen, H. B.  
Pages: 312-316  
Publication date: 2010  
Peer-reviewed: Yes

**Publication information**
Journal: Resuscitation  
Volume: 8  
ISSN (Print): 0300-9572  
Ratings:  
BFI (2010): BFI-level 1  
Scopus rating (2010): SJR 2.791 SNIP 1.261  
Web of Science (2010): Impact factor 4.177  
Web of Science (2010): Indexed yes  
Original language: English  
Keywords: Critical incidents, Cardiac arrest, Resuscitation  
DOIs:  
10.1016/j.resuscitation.2009.10.018  
Source: orbit  
Source-ID: 271892  
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review