

Continuous Monitoring in the Ward Publications Reference List

Editorials and Review articles on continuous ward monitoring

Bates, D.W., et al. Finding patients before they crash: the next major opportunity to improve patient safety. BMJ Quality & Safety, 24:1-3 (2015).

Khanna, Ashish, *et al.* Automated continuous noninvasive ward monitoring: future directions and challenges. *Crit Care*, **23(1)**:194 (2019).

Michard, F. *et al.*, <u>One small wearable</u>, <u>one giant leap for patient safety</u>? *J Clin Monit Comput*, https://doi.org/10.1007/s10877-021-00767-0 (2021).

Michard, F., Kalkman, C. Rethinking Patient Surveillance on Hospital Wards. Anesthesiology 135, 531–540 (2021).

Michard, F., Khanna, A. Continuous Monitoring Beyond the ICU: The rise of mobile solutions. *ICU Management & Practice* **4**, 297-299 (2020).

Sessler, D., Saugel, B. Beyond 'failure to rescue': the time has come for continuous ward monitoring. *British Journal of Anaesthesia*, **122** (3): 304-306 (2019).

Vincent, J-L., *et al.* Improving detection of patient deterioration in the general hospital ward environment. *Eur J Anaesthesiol*, **35**: 325-333 (2019).

Respiratory rate monitoring

Akel, M. *et al.*, Less is more: Detecting clinical deterioration in the hospital with machine learning using only age, heart rate, and respiratory rate. *Resuscitation*, **168**; 6-10 (2021).

Cretikos, M. et al. Respiratory rate: the neglected vital sign. MJA, 188(11):657-659 (2008).

Järvelä, K. *et al.* Clinical evaluation of a wearable sensor for mobile monitoring of respiratory rate on hospital wards. *J Clin Monit Comput.* 2022 Feb;36(1):81-86. doi: 10.1007/s10877-021-00753-6. Epub 2021 Sep 2. PMID: 34476669; PMCID: PMC8894146.(2022)

Keir E. J., *et al.* The accuracy of respiratory rate assessment by doctors in a London teaching hospital: a cross-sectional study. *J Clin Monit Comput*, 29:455–460 (2015).

Loughlin, P.C., et al. Respiratory Rate: The Forgotten Vital Sign – Make It Count! Jt Comm J Qual Patient Saf, 44(8) 494-499 (2018).

Semler, M.W., *et al.* Flash mob research: a single-day, multicenter, resident-directed study of respiratory rate. *Chest*, 143(6):1740–1744 (2013).



Foundational papers on adverse events in wards – shortcomings of current care practices

Churpek, M., et al. Predicting Cardiac Arrest on the Wards, A Nested Case-Control Study. Chest, 141(5):1170-1176 (2012).

Curry, J., Jungquist, C. A critical assessment of monitoring practices, patient deterioration, and alarm fatigue on inpatient wards: <u>a review. Patient Safety in Surgery</u>, **8**:29 (2014).

Jones DA., et al. Rapid-response teams. N Engl J Med, 365(2):139-46 (2011).

Eddahchouri, Y., *et al.* Low compliance to a vital sign safety protocol on general hospital wards: a retrospective cohort study. *International Journal of Nursing Studies* (2020).

Nolan, J., et al. Incidence and outcome of in-hospital cardiac arrest in the UK National Cardiac Arrest Audit. *Resuscitation*, **85(8)**:987-92 (2014).

Pearse, R., et al. Mortality after surgery in Europe: a 7 day cohort study. Lancet 380: 1059-65 (2012).

Portuondo, J., et al. Failure to Rescue as a Surgical Quality Indicator. Anesthesiology, 131(2): 426-437 (2019).

Sun, Z., *et al.* Postoperative hypoxemia is common and persistent: a prospective blinded observational study. *Anesth Analg*, **121**: 709-15 (2015).

Clinical trials / case studies on outcomes

Beard, JW., et al. Cost savings through continuous vital sign monitoring in the medical-surgical unit, *Journal of Medical Economics*, 26:1, 760-768, DOI: 10.1080/13696998.2023.2219156 (2013).

Brown, H., *et al.* Continuous monitoring in an inpatient medical-surgical unit: a controlled clinical trial. *Am J Med* **127(3)**:226–232 (2014).

Slight, S. P. *et al.* The return on investment of implementing a continuous monitoring system in general medical-surgical units. *Crit Care Med*, **42**:1862–8 (2014).

Review articles, surveys and editorials on continuous ward monitoring

Michard, F. *et al.*, Wireless wearables for postoperative surveillance on surgical wards: a survey of 1158 anaesthesiologists in Western Europe and the USA, *BJA Open*, Volume 1. (2022)

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