

Title (en)
ESTIMATING PHYSIOLOGICAL STATES BASED ON CHANGES IN CRI

Title (de)
SCHÄTZUNG VON PHYSIOLOGISCHEN ZUSTÄNDEN BASIEREND AUF CRI-ÄNDERUNGEN

Title (fr)
ESTIMATION D'ÉTATS PHYSIOLOGIQUES SUR LA BASE DE CHANGEMENTS DANS LE CRI

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EP 3346909 A1 20180718 (EN)

Application
EP 16845202 A 20160909

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Abstract (en)
[origin: WO2017044868A1] Novel tools and techniques are provided for assessing, predicting and/or estimating a physiological state of a patient, based on variance of the patient's compensatory reserve index ("CRI") before, during, and/or after a physical perturbation. In some embodiments, the system might receive a first set of physiological data from one or more sensors at a first time relative to a physical perturbation of the patient, and might calculate a first set of CRI values of the patient. The system might receive a second set of physiological data at a second time relative to the physical perturbation, calculate a second set of CRI values, analyze the two sets of CRI values against a pre-existing model, estimate a physiological state (e.g., hydration, etc.) of the patient, and display the estimate on a display device. The system might also control an infusion device to infuse fluids into the patient based on estimated hydration state.

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