RESEARCH TOPIC DASME8

Predicting models developed from continuous arterial pressure monitoring in critically ill patients

Curriculum DASME Clinical

Research Area

Service Area

Laboratory name and address

Anesthesia and Intensive Care, IRCCS Humanitas Research Hospital

Clinical Unit name and address

Anesthesia and Intensive Care, IRCCS Humanitas Research Hospital

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Abstract

Arterial wave form data from electronic health records of the ICIS ICCA® (Philips Healthcare, Amsterdam, Holland) of the ICU of the Humanitas Research Hospital
Two subgroups of patients:
1) Septic shock -> prediction of shock reversal
2)Patient with new onset of atrial fibrillation -> prediction of atrial fibrillation occurrence

Main technical approaches

Modeling from arterial pressure waveform
Prediction Models
Machine learning

Type of contract

PhD scholarship of € 22.400 gross per year awarded by Humanitas University. This sum is exempt from IRPEF income tax according to the provisions of art. 4 of Law no. 476 of 13th August 1984, and is subject to social security contributions according to the provisions of art. 2, section 26 and subsequent sections, of Law no. 335 of 8th August 1995 and subsequent modifications.

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