FONDAZIONE BRUNO KESSLER
MAGAZINE

FBK-TrentinoSalute4.0 researchers winners of “Milan Critical Care Unit Datathon” 2019

March 13, 2019

From 1st to 3rd February, the first Italian datathon was held at Humanitas Research Hospital in Milan, organised by the European Society of Intensive Medicine (ESICM). The competition was on challenges related to the processing of Electronic Health Records of patients from Intensive Care Units (ICU), published by Massachusetts Institute of Technology

Ten teams took part in the competition from well-known institutions such as University of Harvard and Cleveland Clinic. **FBK** and **TrentinoSalute4.0** were represented by **Seyedmostafa Sheikhalishahi** and **Behrooz Mamandipoor** who worked on the analysis of data using Artificial intelligence methods. Their team, that included also ICU physicians had the challenge of developing an algorithm to predict the need for **blood gas analysis** in critically ill patients in the ICU.

They used **lactate** plasma as an indicator of the severity of the disease and created a computational model to predict the optimal time for blood gas analysis.

Following the presentation of the results, the judges **awarded the first prize to their team, sponsored by Google.**
Seyedmostafa and **Behrooz** plan to continue collaboration with the members of their team and work on other challenges faced by ICU physicians and patients.

Seyedmostafa is an Iranian PhD student, while **Behrooz**, who comes from Iran too, is a Masters student at e-health Lab, supervised by researcher **Venet Osmani,** within the FBK/ TrentinoSalute4.0 lab.


Google Cloud

Il team di FBK/TS4.0 e dei medici che ha vinto il premio per il Best Project


HU
HUMANITAS UNIVERSITY
Milan Critical Care Datatho
and ESICM's Big Datatalk
February, 1st – 3rd 2019
Humanitas Clinical Research Hospital Congress Centr
Via Manzoni 113, 20090 Rozzano (Mi) Italy
The certificate of
BEST PROJECT
of Milan Critical Care Datathon & ESICM's
has been awarded to
TEAM 4

L’attestato per il Best project 2019


Double
TORCH
LA CA

Venet Osmani, Behrooz Mamandipoor e Seyedmostafa Sheikhalishahi (from left)

PERMALINK

https://magazine.fbk.eu/en/news/fbk-trentinosalute4-0-researchers-winners-of-milan-critical-care-unit-datathon-2019/

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- Organisers announcing the winners: https://twitter.com/ArmandGirbes/status/1092068676411576325

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