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² **Name of Journal:** *World Journal of Critical Care Medicine*

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Artificial intelligence and computer simulation models in critical illness Authors List:

Amos Lal, Yuliya Pinevich, Ognjen Gajic, Vitaly Herasevich, Brian Pickering

Abstract

Widespread implementation of electronic health records has led to the increased use of artificial intelligence (AI) and computer modeling in clinical medicine. The early

recognition and treatment of critical illness are central to good outcomes but are made



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The virus SARS-CoV2, which causes coronavirus disease (COVID-19) has become a pandemic and has spread to every inhabited continent. Given the increasing caseload, there is an urgent need to augment clinical skills in order to identify from among the many mild cases the few that will progress to **critical illness**. We present a first step towards building an **artificial intelligence** (AI) framework ...

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Given the increasing caseload, there is an urgent need to augment **clinical skills** in order to identify from among the many mild cases the few that will progress to **critical illness**. We present a first step towards building an artificial intelligence (**AI**) framework, with predictive analytics (PA) capabilities applied to **real patient data**, to provide **rapid clinical decision-making** support.

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<https://ccforum.biomedcentral.com/articles/10.1186/s13054-018-2301-9>

Jan 04, 2019 · The use of **artificial intelligence** (AI) in healthcare is receiving increasing interest, driven by a surge in scientific research and funding. AI has shown ophthalmologist-level performance at detecting retinal pathology [] and can provide individualised treatment decisions for sepsis that could

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