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Prevalence and prognostic value of elevated troponins in COVID-19 patients: A systematic review and meta-analysis

<https://jintensivecare.biomedcentral.com/articles/10.1186/s40560-020-00508-6> ▾

Nov 23, 2020 · The clinical significance of cardiac troponin measurement in patients hospitalised for coronavirus disease 2019 (COVID-19) is uncertain. We investigated the prevalence of elevated troponins in these patients and its prognostic value for predicting mortality. Studies were identified by searching electronic databases and preprint servers. We included studies of hospitalised COVID-19 patients ...

Cited by: 4

Author: Bing-Cheng Zhao, Wei-Feng Liu, Shao-H...

Publish Year: 2020

Prognostic factors and prediction models for acute aortic dissection: A systematic review and meta-analysis

<https://bmjopen.bmj.com/content/11/2/e042435> ▾

Feb 01, 2021 · Objective Our study aimed to systematically review the methodological characteristics of studies that identified prognostic factors or developed or validated models for predicting mortalities among patients with acute aortic dissection (AAD), which would inform future work. Design/setting A methodological review of published studies. Methods We searched PubMed and EMBASE from ...

Author: Yan Ren, Shiyao Huang, Qianrui Li, C... Publish Year: 2021

Prognostic factors for severity and mortality in patients with COVID-19: A systematic review and meta-analysis

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0241955> ▾

Nov 17, 2020 · Background and purpose The objective of our systematic review is to identify prognostic factors that may be used in decision-making related to the care of patients infected with COVID-19. Data sources We conducted highly sensitive searches in PubMed/MEDLINE, the Cochrane Central Register of Controlled Trials (CENTRAL) and Embase. The searches covered the period from ...

Cited by: 19

Author: Ariel Izcovich, Martín Alberto Ragusa, Fer...

Publish Year: 2020

Biomarkers and outcomes of COVID-19 hospitalisations: A systematic review and meta-analysis

<https://ebm.bmj.com/content/early/2020/09/14/bmjebm-2020-111536> ▾

Sep 15, 2020 · COVID-19 pandemic has been a challenge. Biomarkers have always played an important role in clinical decision making in various infectious diseases. It is crucial to assess the role of biomarkers in evaluating severity of disease and appropriate allocation of resources. Design and setting Systematic review and meta-analysis.

Cited by: 13

Author: Preeti Malik, Urvish Patel, Deep Mehta, N...

Publish Year: 2020

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Name of Journal: *World Journal of Meta-Analysis*

Manuscript NO: 66448

Manuscript Type: SYSTEMATIC REVIEWS

Troponin I biomarker as a strong prognostic factor for predicting COVID-19 mortality: A systematic review and meta-analysis

Ashraf H *et al.* Role of Troponin-I in COVID-19

Haleh Ashraf, Abbas Soleimani, Ali Kazemi saeid, Azadeh Sadat Naseri, Fazeleh Majidi, Niloufar Peirovi, Shahrokh Karbalai Saleh



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Role of Cardiac Biomarkers in COVID-19: What Recent ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7977033>

Apr 07, 2021 · A unique cardiac **mortality prediction** model in COVID **19** has been proposed in a recent meta-analysis of 17,794 patients. 67 ** This model recommends combined evaluation of aspartate aminotransferase (AST) with CTnI and advanced age and suggests that high CTnI (more than 13.75 ng/L) combined with either advanced age (more than 60 years) or ...

Cited by: 2

Author: Shahzad Khan, Sahibzada Tasleem Rasool,...

Publish Year: 2021

Predicting outcomes of COVID-19 from admission biomarkers ...

<https://emj.bmj.com/content/38/7/543>

Jul 01, 2021 · Introduction COVID-**19** has an unpredictable clinical course, so **prognostic biomarkers** would be invaluable when triaging patients on admission to hospital. Many **biomarkers** have been suggested using large observational datasets but sample timing is crucial to ensure **prognostic** relevance. The DISCOVER study prospectively recruited patients with COVID-**19** admitted to a UK ...

Cited by: 1

Author: David T Arnold, Marie Attwood, Shaney Bar...

Publish Year: 2021

The role of biomarkers in diagnosis of COVID-19 - A ...

<https://europepmc.org/article/PMC/PMC7219356>

May 13, 2020 · Aims. As of the 28th April 2020, the COVID-**19** pandemic has infiltrated over 200 countries and affected over three million confirmed people. We **review** different **biomarkers** to evaluate if they are