

EFEKTIVITAS PENGGUNAAN LOW MOLECULAR WEIGHT HEPARIN (LMWH) TERHADAP ANGKA MORTALITAS PADA PASIEN COVID-19 (SYSTEMATIC REVIEW)

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Abstrak

Pada desember 2019, kota Wuhan, China, terjadi epidemi kasus infeksi saluran pernafasan yang berkembang menjadi pandemi dan disebabkan oleh Coronavirus (CoV) baru diberi nama *Severe Acute Respiratory Syndrome Coronavirus-2* (SARS-CoV-2) dengan nama penyakitnya *Coronavirus Disease 2019* (COVID-19). Dilaporkan penggunaan heparin / *Low Molecular Weight Heparin* (LMWH) memiliki efek menguntungkan terhadap kasus COVID-19. *Systematic Review* ini bertujuan untuk menyajikan publikasi mengenai efektivitas *Low Molecular Weight Heparin* (LMWH) terhadap angka mortalitas pada pasien COVID-19 **Metode:** Systematic Review dengan melakukan pencarian literatur yang membahas mengenai LMWH terhadap mortalitas pasien COVID-19 melalui PubMed, Springerlink dan Science Direct. Pencarian literatur dilakukan menggunakan metode PRISMA-P 2015 dan dilakukan eliminasi jurnal menggunakan JBI *Critical Appraisal Checklist*. **Hasil:** terdapat 18 jurnal dalam kategori inklusi dan disimpulkan bahwa penggunaan LMWH masih belum dapat ditemukan efektivitasnya baik dari segi profilaksis atau terapeutik serta dosis yang digunakan pada pasien COVID-19. **Kesimpulan:** Terdapat efektivitas LMWH dalam penurunan angka mortalitas pasien COVID-19.

Kata Kunci : COVID-19, Efektivitas Terapi, LMWH, Mortalitas

THE EFFECTIVENESS OF LOW MOLECULAR WEIGHT HEPARIN (LMWH) TOWARDS MORTALITY RATE IN COVID-19 PATIENTS (SYSTEMATIC REVIEW)

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Abstract

In December 2019, in the city of Wuhan, China, there was an epidemic of respiratory infections that developed into a pandemic and was caused by a new Coronavirus (CoV) named *Severe Acute Respiratory Syndrome Coronavirus-2* (SARS-CoV-2) with the disease named Coronavirus Disease 2019 (COVID-19). The use of heparin / *Low Molecular Weight Heparin* (LMWH) is reported to have a beneficial effect on cases of COVID-19. This Systematic Review aims to present a publication on the effectiveness of Low Molecular Weight Heparin (LMWH) on mortality rates in COVID-19 patients. **Method:** Systematic Review by conducting literature searches that discuss LMWH on mortality of COVID-19 patients through PubMed, Springerlink, and Science Direct. The literature search was carried out using the PRISMA-P 2015 method and eliminated journals using the JBI Critical Appraisal Checklist. **Results:** there are 18 journals in the inclusion category and according to the fact that the use of LMWH still cannot be found properly from a prophylactic or therapeutic perspective and the dosage used in COVID-19 patients **Conclusion:** There was the effectiveness of LMWH in reducing the mortality rate for COVID-19 patients.

Keyword: COVID-19, LMWH, Mortality, Therapeutic Effectiveness