

Review Form 1.7

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_117343
Title of the Manuscript:	Unraveling the Complex Interplay: COVID-19 and Heart Failure – A Comprehensive Review
Type of the Article	Review Article

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the manuscript is important for the scientific community as it provides a comprehensive review of the complex interplay between COVID-19 and heart failure. It explores the epidemiology, clinical manifestations, diagnostic challenges, prognosis, outcomes, and underlying mechanisms of this association, which is crucial for informing clinical practice, management strategies, and future research directions in this area.</p> <p>2. Yes, the title "Unraveling the Complex Interplay: COVID-19 and Heart Failure – A Comprehensive Review" appears to be a suitable title for the attached document. The document comprehensively reviews the epidemiological, clinical, diagnostic, prognostic, mechanistic, and therapeutic aspects of the interplay between COVID-19 infection and heart failure. The title accurately captures the document's scope of unraveling the complex bidirectional relationship and multifaceted interactions between these two conditions.</p> <p>3. Yes, the abstract provides a comprehensive overview of the article's content in about 150 words. It summarizes the key points, including the association between COVID-19 and heart failure, the challenges in diagnosis, the epidemiology and clinical significance, the underlying mechanisms, prognosis and outcomes, and the importance of understanding this intersection for comprehensive care and public health resilience.</p> <p>4. Yes, the subsections and overall structure of the manuscript appear appropriate. The review covers key aspects like epidemiology, clinical significance, diagnostic challenges, prognosis and outcomes, underlying mechanisms, and management strategies in a logical and organized manner. The use of subheadings helps break down the content into digestible sections.</p> <p>5. The manuscript appears to be scientifically sound and comprehensive. It covers various aspects of the relationship between COVID-19 and heart failure, including epidemiology, clinical significance, diagnostic challenges, mechanisms, prognosis, and outcomes. The content is well-researched and referenced, indicating a thorough review of relevant literature.</p> <p>6. The references cited in the document appear to be fairly recent, with many from 2020-2024. However, some additional relevant references from high-impact journals could be included to further strengthen the review.</p> <p>- 1.Nishiga, M., et al. "COVID-19 and cardiovascular disease: from basic mechanisms to clinical perspectives." Nat Rev Cardiol 17, 543–558 (2020).</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>7. Yes, the language and English quality of the article are suitable for scholarly communications. The writing is clear, coherent, and uses appropriate academic and technical terminology relevant to the subject matter. The language is formal, well-structured, and follows the conventions of scholarly writing.</p>	
<p>Optional/General comments</p>	<p>It is a comprehensive review article examining the complex relationship between COVID-19 and heart failure.</p> <p>It covers the epidemiology, clinical significance, diagnostic challenges, prognosis/outcomes, underlying mechanisms, and management of heart failure in COVID-19 patients.</p> <p>The review highlights the bidirectional impact, where COVID-19 can precipitate or exacerbate heart failure through various pathways, while pre-existing heart failure increases COVID-19 severity and complications.</p> <p>It emphasizes the importance of early identification, multidisciplinary care, personalized treatment strategies, and ongoing research to optimize management of these co-existing conditions.</p> <p>Overall, the review provides a thorough synthesis of current evidence to inform clinical practice and public health initiatives related to this critical intersection of COVID-19 and cardiovascular disease.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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