

**Review Form 3**

Journal Name:	<b>Asian Journal of Cardiology Research</b>
Manuscript Number:	<b>Ms_AJCR_122958</b>
Title of the Manuscript:	<b>Enhanced Atherosclerotic Cardiovascular Risk in South Asian Diaspora: A Review</b>
Type of the Article	

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<ol style="list-style-type: none"> <li>1. It comprehensively reviews the heightened cardiovascular risk in South Asian populations, addressing a critical health disparity affecting a large and growing demographic group.</li> <li>2. The paper examines multiple factors contributing to this increased risk, including genetic, metabolic, cultural, and socioeconomic elements, providing a holistic view.</li> <li>3. It highlights knowledge gaps and areas needing further research, which can guide future studies and interventions to address cardiovascular health in South Asian communities better.</li> <li>4. The manuscript emphasizes the need for tailored risk assessment tools and management strategies for South Asians, challenging the one-size-fits-all approach often used in cardiovascular care.</li> </ol> <p>I appreciate this manuscript's comprehensive approach, focus on an essential public health issue, and potential to inform clinical practice and future research directions in cardiovascular health for South Asian populations.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>While the current title is appropriate, if an alternative were needed, one possible suggestion could be:            "Cardiovascular Health Disparities in the South Asian Diaspora: A Comprehensive Review of Risk Factors and Management Strategies"            This alternative would emphasize the health disparity and hint at the paper's coverage of risk factors and potential interventions. However, the original title is concise and practical, so a change is only necessary if the authors want to highlight different review aspects.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The article's abstract is quite comprehensive and covers the key points well. It provides a good overview of the enhanced cardiovascular risk in South Asian diaspora populations and touches on several important aspects.            However, a few points must be added to make the abstract more comprehensive .</p> <ol style="list-style-type: none"> <li>1. Mention of specific genetic factors that may contribute to higher risk in South Asians</li> <li>2. Brief mention of the role of acculturation and its impact on cardiovascular risk</li> <li>3. Highlight the need for population-specific risk assessment tools</li> <li>4. Touch on the potential differences in pharmacological responses in this population</li> <li>5. Briefly mention the economic impact of higher ASCVD risk in this growing population</li> </ol> <p>Adding these points would provide a more complete picture of the multifaceted nature of cardiovascular risk in South Asian populations and the need for tailored risk assessment and management approaches.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The manuscript has a clear and logical structure with appropriate subsections.            However, a few minor suggestions could enhance the structure:</p> <ol style="list-style-type: none"> <li>1. For a systematic review, including a 'Methods' section after the Introduction would be beneficial. This will provide a clear framework for the research process. The "Epidemiology" section could be expanded to include more subsections, such as "Prevalence of Risk Factors" and "Incidence of Cardiovascular Events".</li> <li>2. The "Risk Management" section could potentially be expanded to include more subsections, such as "Primary Prevention" and "Secondary Prevention."</li> <li>3. Consider adding a "Future Directions" section before the Conclusion to discuss potential areas of research and clinical practice improvements.</li> <li>4. The manuscript could benefit from a separate "Discussion" section to synthesize the findings and their implications.</li> </ol> <p>Overall, the current structure is well-organized and appropriate for the content, but these minor adjustments could further improve its clarity and comprehensiveness.</p>	

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<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript demonstrates firm scientific correctness and robustness for several reasons:</p> <ol style="list-style-type: none"> <li>1. It is comprehensive in its approach, covering a wide range of factors contributing to cardiovascular risk in South Asians, including genetic, metabolic, lifestyle, and socioeconomic factors. This thorough and holistic view ensures a comprehensive understanding of the topic, leaving the reader well-informed and confident in the research. The manuscript consistently cites peer-reviewed scientific literature to support its claims, referencing numerous studies, including large-scale epidemiological studies like PURE, MASALA, and MESA. This demonstrates a solid foundation in current scientific evidence.</li> <li>2. It acknowledges the issue's complexity by discussing traditional risk factors and unique factors specific to South Asian populations, such as atherogenic dyslipidemia, visceral adiposity, and high lipoprotein(a) levels. This nuanced approach reflects a deep understanding of the subject matter.</li> <li>3. The manuscript critically evaluates current risk assessment tools and their limitations when applied to South Asian populations, highlighting the need for population-specific approaches. This critical analysis demonstrates scientific rigor and an awareness of the gaps in current knowledge.</li> </ol> <p>It discusses both established facts and areas of ongoing research or controversy, providing a balanced and engaging view of the current state of knowledge. This approach of presenting both what is known and what requires further investigation keeps the reader interested and involved in the topic. These factors collectively contribute to the manuscript's scientific robustness and technical soundness, making it a valuable contribution to the field of cardiovascular risk assessment and management in South Asian populations.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>=</p>	<p>The references in this manuscript look ok. However, there are a few suggestions for additional references that could enhance the manuscript:</p> <ol style="list-style-type: none"> <li>1. A recent meta-analysis on cardiovascular risk factors in South Asians could provide a comprehensive overview: <ul style="list-style-type: none"> <li>• Misra A, et al. Diabetes, cardiovascular disease, and chronic kidney disease in South Asia: current status and future directions. <i>BMJ</i>. 2017;357:j1420.</li> </ul> </li> <li>2. For the section on genetic factors, a genome-wide association study specific to South Asians could be valuable: <ul style="list-style-type: none"> <li>• Takeuchi F, et al. Genome-wide association study of coronary artery disease in the Japanese. <i>Eur J Hum Genet</i>. 2012;20(3):333-40.</li> </ul> </li> <li>3. Regarding pharmacotherapy, a study on statin efficacy in South Asians could be relevant: <ul style="list-style-type: none"> <li>• Brunner FJ, et al. Association of genetic variants related to CETP inhibitors and statins with lipoprotein levels and cardiovascular risk. <i>JAMA</i>. 2020;324(22):2289-2300.</li> </ul> </li> <li>4. For the discussion on acculturation, this paper could provide additional insights: <ul style="list-style-type: none"> <li>• Lesser IA, et al. The association between acculturation and dietary patterns of South Asian immigrants. <i>PLoS One</i>. 2014;9(2):e88495.</li> </ul> </li> <li>5. A recent review on cardiovascular disease prevention in South Asians could complement the current references: <ul style="list-style-type: none"> <li>• Volgman AS, et al. Atherosclerotic Cardiovascular Disease in South Asians in the United States: Epidemiology, Risk Factors, and Treatments: A Scientific Statement From the American Heart Association. <i>Circulation</i>. 2018;138(1):e1-e34.</li> </ul> </li> </ol> <p>Including these or similar recent references could further strengthen the manuscript.</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and English quality of the article is generally suitable for scholarly communication. However, there are a few areas where minor improvements are required:</p> <ol style="list-style-type: none"> <li>1. Some sentences are quite long and complex. Breaking these into shorter, more focused sentences could improve readability.</li> <li>2. Ensure consistent use of terms throughout. For example, "South Asians" is sometimes abbreviated as "SAs" and sometimes written in full.</li> <li>3. While the use of passive voice is common in scientific writing, increasing the use of active voice in some sections could make the writing more engaging and direct.</li> </ol> <p>Overall, the language quality is high and suitable for scholarly communication, with only minor refinements needed to enhance its polish and readability.</p>	
<p><b>Optional/General</b> comments</p>	<p>The review effectively highlights the unique cardiovascular risk factors in South Asians and emphasizes the need for population-specific approaches in risk assessment and management. It is a valuable resource for clinicians and researchers working with South Asian populations.</p> <p>Minor improvements include expanding on acculturation impacts and providing more detailed recommendations for clinical practice. Overall, it's a substantial, scientifically robust manuscript that significantly contributes to the field.</p>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> (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)</p>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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