

[Review Form2](#)

Book Name:	Achievements and Challenges of Medicine and Medical Science
Manuscript Number:	Ms_BPR_3313
Title of the Manuscript:	STEM CELL BREAKTHROUGHS: A CURE IN SIGHT?
Type of the Article	Book Chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript is valuable to the scientific community as it encapsulates the transformative progress in stem cell therapy and its potential for treating diverse degenerative diseases. It highlights key milestones, such as the development of embryonic stem cells and induced pluripotent stem cells, which have broadened therapeutic applications and improved our understanding of cellular differentiation. I particularly appreciate the balanced discussion of both the promise and the ethical challenges of stem cell research, as it underscores the importance of addressing these concerns alongside scientific advancements. This manuscript's forward-looking perspective on future research, including delivery methodologies and ethical considerations, makes it a compelling and timely contribution to regenerative medicine.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	This manuscript is scientifically robust and technically sound due to its comprehensive overview of stem cell therapy's evolution and its integration of pivotal advancements in the field, such as the discovery of embryonic stem cells and induced pluripotent stem cells (iPSCs). It accurately describes the potential of various stem cell types for treating degenerative diseases, showing a depth of knowledge on the mechanisms and applications in regenerative medicine. Additionally, the manuscript addresses the ethical concerns surrounding embryonic stem cells and the importance of safety and efficacy, which are critical issues in the clinical translation of stem cell therapies. By highlighting the need for innovative delivery systems and future research directions, the manuscript provides a well-rounded perspective, demonstrating its scientific validity and forward-looking approach.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	It is Suitable.	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (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)
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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