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Author: Toshikazu Sano, Shuta Ishigami, Tatsuo... **Publish Year:** 2020

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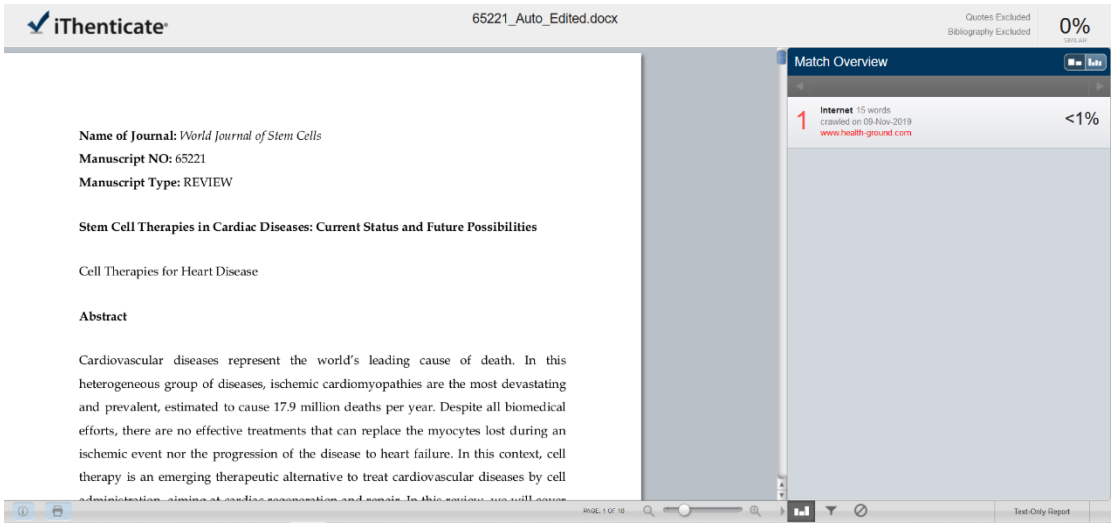

Name of Journal: *World Journal of Stem Cells*
Manuscript NO: 65221
Manuscript Type: REVIEW

Stem Cell Therapies in Cardiac Diseases: Current Status and Future Possibilities

Cell Therapies for Heart Disease

Abstract

Cardiovascular diseases represent the world's leading cause of death. In this heterogeneous group of diseases, ischemic cardiomyopathies are the most devastating and prevalent, estimated to cause 17.9 million deaths per year. Despite all biomedical efforts, there are no effective treatments that can replace the myocytes lost during an ischemic event nor the progression of the disease to heart failure. In this context, cell therapy is an emerging therapeutic alternative to treat cardiovascular diseases by cell administration, aiming at cardiac regeneration and repair. In this review, we will cover

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Heart diseases are one of the major causes of morbidity and mortality worldwide. Despite major advances in drug and interventional **therapies**, surgical procedures, and organ transplantation, further research into new therapeutic options is still necessary. **Stem cell therapy** has emerged as one option for the **treatment** of a variety of **heart diseases**.

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Feedback

Stem Cell Therapies in Cardiovascular Disease - ScienceDirect

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