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**Name of journal:** *World Journal of Stem Cells***Manuscript NO:** 54909**Manuscript Type:** SYSTEMATIC REVIEWS

**Role of mesenchymal stem cells derived extracellular vesicles in autoimmunity: A systematic review**

Jing-Hua Wang, Xiao-Ling Liu, Jian-Mei Sun, Jing-Han Yang, Dong-Hua Xu, Shu-Shan Yan

## Abstract

### BACKGROUND

Mesenchymal stem cells (MSCs) have been reported to possess immune regulatory effects in innate and adaptive immune reactions. MSCs can mediate

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**Mesenchymal stem cell-derived extracellular vesicle**-based therapies protect against coupled degeneration of the central nervous and vascular systems in stroke ... the **role** of miRs. Thus, miRs could be utilized as diagnostic, prognostic, and therapeutic tools in stroke. In this **review**, we discuss the roles