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Mesenchymal stem cells: A new diagnostic tool?

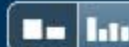
Maria Teresa Valenti, Antonio Mori, Giovanni Malerba, Luca Dalle Carbonare

## Abstract

6

Mesenchymal stem cells are progenitor cells capable of self-renewal that can differentiate in multiple tissues and, under specific and standardized culture conditions, expand in vitro without phenotypic alterations. In recent years, preclinical and clinical studies have focused on MSC analysis and understanding the potential use of these cells as a therapy in a wide range of pathologies, and many applications have been tested. Clinical trials using MSCs have been performed (e.g., for cardiac events, stroke, multiple sclerosis, blood diseases, auto-immune disorders, ischemia, and articular cartilage and bone pathologies),

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