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Extrinsic and intrinsic mechanisms by which mesenchymal stem cells suppress the immune system

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TITLE: Extrinsic and intrinsic mechanisms by which mesenchymal stem cells suppress the immune system

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SHORT TITLE: MESENCHYMAL STEM CELLS SUPPRESS IMMUNE RESPONSE/Coulson-Thomas, et al**FOOTNOTES**

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ABSTRACT Mesenchymal stem cells (MSCs) are a group of fibroblast-like multipotent mesenchymal stromal cells that have the ability to differentiate into osteoblasts, adipocytes, and chondrocytes. Recent studies have demonstrated that MSCs possess a unique ability to exert suppressive and regulatory effects on both adaptive and innate immunity in an autologous and allogeneic manner. A vital step in stem cell transplantation is overcoming the

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