

Title (en)

IMPROVED METHODS FOR TRANSPLANTATION USING MODIFIED CELLS AND T CELL INHIBITORY AGENTS

Title (de)

VERBESSERTE VERFAHREN ZUR TRANSPLANTATION UNTER VERWENDUNG VON MODIFIZIERTEN ZELLEN UND T-ZELLINHIBIERENDEN AGENZIEN

Title (fr)

PROCEDES AMELIORES DE TRANSPLANTATION A L'AIDE DE CELLULES MODIFIEES ET D'AGENTS INHIBITEURS DE LYMPHOCYTES T

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Application

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Abstract (en)

[origin: WO9526740A1] Improved methods for inhibiting rejection of transplanted cells in an allogeneic or xenogeneic recipient subject are described. The methods involve altering at least one antigen on the surface of a donor cell prior to transplantation to reduce the immunogenicity of the cell in a recipient subject. Preferably, an MHC class I antigen on a donor cell is altered by contacting the cell with a molecule which binds to the antigen, such as an antibody or fragment or derivative thereof. According to the methods of the invention, a recipient subject is also treated with an agent which inhibits T cell activity in the subject. A preferred agent which inhibits T cell activity in the recipient subject is an immunosuppressive drug, such as cyclosporin A. Alternatively, antibodies which deplete T cells or inhibit T cell proliferation in the subject can be used. Typically, following administration of a modified donor cell to an allogeneic or xenogeneic recipient subject, an immunosuppressive drug is administered to the recipient subject for a sufficient time to induce tolerance to the donor cells.

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