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ACTION

(54) Title: IMPROVEMENT OF GRAFT ACCEPTANCE THROUGH MANIPULATION OF THYMIC REGENERATION

(57) Abstract: The present disclosure provides methods for inducing tolerance in a recipient to a mismatched graft of an organ, tissue and/or cells. By receiving the recipient's thymus and providing hematopoietic stem cells from the donor, the previously "foreign" matter becomes recognized as "self" in the recipient and is not rejected. the patient's T cell population is depleted. In a preferred embodiment the hemapoietic stem cells are CD34+. The recipient's thymus is reactivated by disruption of sex steroid mediated signaling to the thymus. In a preferred embodiment this disruption is created by administration of LHRH agonists, LHRH antagonists, anti-LHRH receptor antibodies, anti-LHRH vaccines or combinations thereof.

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