

(54) Non-myeloablative tolerogenic treatment

(57) The present invention relates to the use of antigens of a donor mammal in the manufacture of a medicament for inducing tolerance in a host mammal to a graft from said donor mammal, said donor mammal being non-syngeneic to said host mammal, wherein:

(a) said antigens are administered to said host mammal:

(b) an immunosuppressive agent is administered to said host mammal in a non-myeloablative regimen sufficient to decrease said host mammal's functional T-lymphocyte population;

(c) said graft is transplanted into said host mammal,

wherein steps (a), (b) and (c) are performed on the same day; and

(d) a non-myeloablative dose of lymphocytotoxic or tolerizing agent is administered to said host mammal to selectively eliminate said host mammal's lymphocytes responding to said antigens.