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(54) Title: ADIPOSE TISSUE-DERIVED STROMAL CELLS FOR THE REPAIR OF CORNEAL AND INTRA-ORBITAL DEFECTS AND USES THEREOF

(57) Abstract: The invention provides compositions and methods for the use of adipose tissue-derived stromal cells for the treatment and repair of any ocular-associated tissue defect, including but not limited to those secondary to trauma, metabolic disease, inborn errors, or surgery. The adipose tissue-derived stromal cells are cultured in the undifferentiated, differentiated or adipocyte state either alone or in the presence of biocompatible material. The resulting materials are employed surgically to correct a variety of correct intra-ocular defects.