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(54) Title: METHODS AND DEVICES FOR TISSUE REPAIR

(57) Abstract: Methods for treating diseased or damaged tissue in a subject are disclosed, involving administering to said subject at a site wherein diseased or damaged tissue occurs, cells of a type(s) normally found in healthy tissue corresponding to the diseased or damaged tissue, and/or suitable progenitor cells thereof, in association with bioresorbable beads or particles and optionally a gel and/or gel-forming substance. Where the cells and/or suitable progenitor cells thereof are chondrocytes, embryonic stem cells and/or bone marrow stromal cells, the methods of the invention are suitable for treating, for example, articular cartilage degeneration associated with primary osteoarthritis. Also disclosed is a device having tissue-like characteristics for treating diseased or damaged tissue in a subject, wherein the device comprises cells of a type(s) normally found in healthy tissue corresponding to the diseased or damaged tissue, and/or suitable progenitor cells thereof, in association with bioresorbable beads or particles and optionally a gel and/or gel-forming substance.