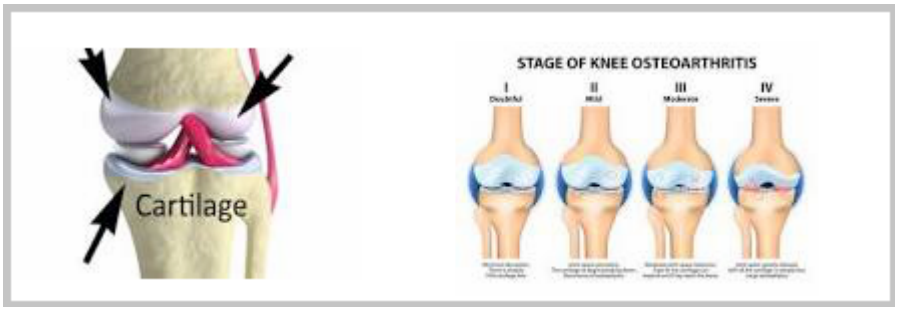
BCM Project

Producing Cartilage Injury Healing Solutions



Medical Issues: Each year, in the USA more than 12 million people visit their doctors because of knee pain — half of them (6 million) with damage to cartilage, called articular cartilage.

BCM Capability and Solution: BCM cell-based cartilage resurfacing, and regeneration is now possible using a patient's own cells to grow new, healthy cartilage. A surgeons biopsy, of cartilage cells is taken from the knee joint. Using BCM pure collagen, these cells are then grown on a special 3-dimensional scaffold that functions as a type of house where cells live and continue to grow. Once a large enough segment of cartilage is grown, it is implanted back into the knee cap.

Source: University of California San Francisco; https://www.ucsfhealth.org/treatments/cartilage_repair/

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