

Supplemental Material

Table S1. Eight histological and immunohistological parameters selected for quantification of Cartilage Repair as per International Cartilage Repair Society II Scoring System with Slight Modifications

Parameters	Score for Different Attributes of Parameters (total Max Score 19)			
	3	2	1	0
Tissue Morphology	Hyaline	Mostly hyaline	Mixed hyaline/fibrocartilage	Fibrous tissue
Matrix Staining (Safranin O)	—	Normal Intensity	Reduced Intensity	No staining
Cell Distribution	—	Columnar	Columnar and Clusters	Clusters and disorganized
Surface Architecture	—	Smooth (>3/4)	Moderate (>1/2-3/4)	Severely irregular (<1/4)
Integration with subjacent bone	—	Full basal integration	Partial basal integration	No basal integration
Integration with subjacent cartilage	—	Full integration	Partial integration	No integration
Type I collagen immunostaining	None	Slight	Moderate	Abundant
Type II Collagen Immunostaining	Abundant	Moderate	Slight	None