**Supplementary Table 2.**

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| --- |
| **Histological score for cartilage repair** |
| **Category**  | 　 | 　 | **Score** |
| A. Cell morphology |  |  |  |
| Hyaline cartilage  |  |  | 4 |
| Mostly hyaline cartilage |  | 3 |
| Mostly fibrocartilage  |  |  | 2 |
| Mostly non-cartilage  |  |  | 1 |
| Non-cartilage only  |  |  | 0 |
| B. Matrix-staining (metachromasia) |  |
| Normal (compared with adjacent cartilage)  | 3 |
| Slightly reduces  |  |  | 2 |
| Markedly reduced  |  |  | 1 |
| No metachromatic stain  |  | 0 |
| C. Surface |  |  |  |
| Smooth (>3/4)  |  |  | 3 |
| Moderate (1/2 to 3/4)  |  |  | 2 |
| Irregular (1/4 to 1/2)  |  |  | 1 |
| Severely irregular (<1/4)  |  | 0 |
| D. Thickness of cartilage |  |  |
| 2/3 to 4/3  |  |  |  | 3 |
| 5/3 to 4/3  |  |  |  | 2 |
| 1/3 to 2/3 or >5/3  |  |  | 1 |
| <1/3  |  |  |  | 0 |
| E. Integration of donor with host cartilage |  |
| Both edges integrated  |  | 2 |
| One edge integrated  |  |  | 1 |
| Neither edge integrated  |  | 0 |
| Total maximum  | 　 | 　 | 15 |