

The Effect of Exercise on the Early Stages of Mesenchymal Stromal Cell-Induced Cartilage Repair in a Rat Osteochondral Defect Model

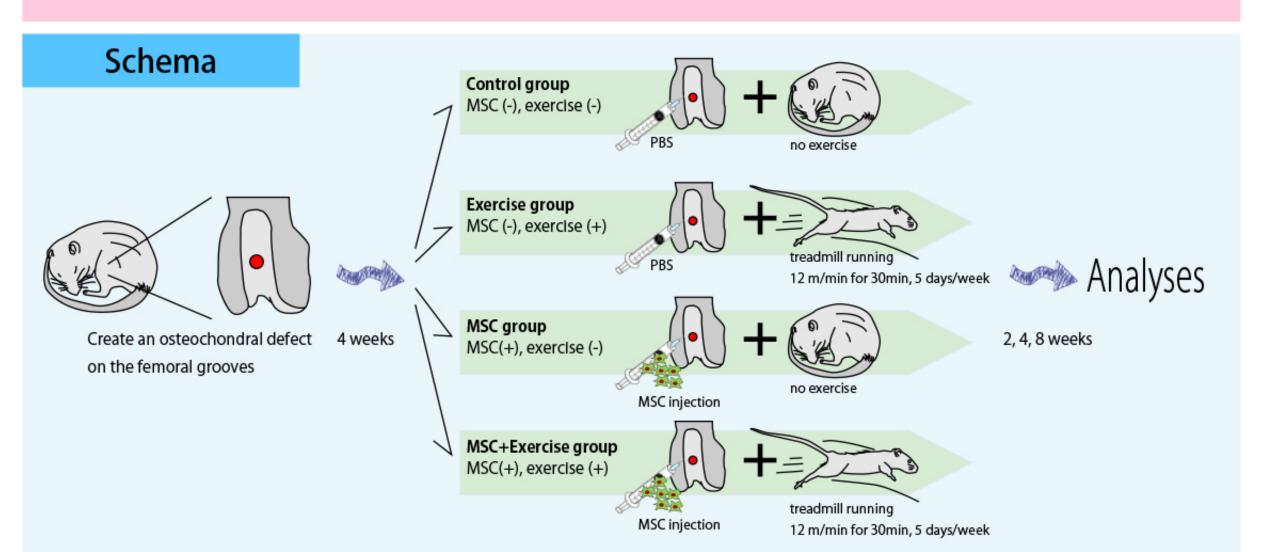
Shoki Yamaguchi et al. PLOS ONE | DOI:10.1371/journal.pone.0151580 March 11, 2016

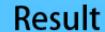
Research question

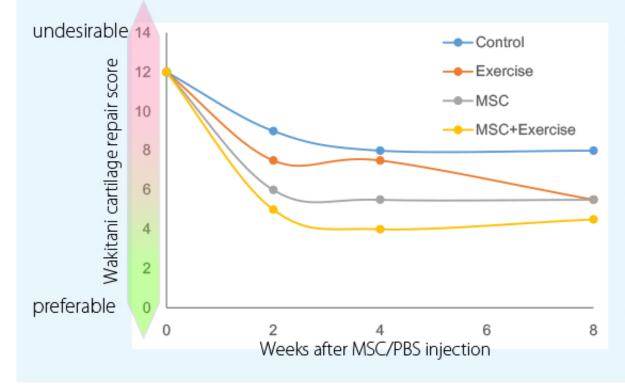
Articular Cartilage Regeneration

Cell Supplementation + Exercise intervention









Suggestions

- Defective hyaline cartilage cannot be repaired spontaneously.
- MSC injection leads to the improvement of cartilage repair score.
- ✓ Exercise solely may also promote the cartilage repair.
- Exercise used may not inhibit the effect of MSC injection.
- Exercise performed after MSC injection would efficiently promote cartilage repair.