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HydroJel

——*Highly Robust and Biocompatible Hydrogel for Joint Injuries*——
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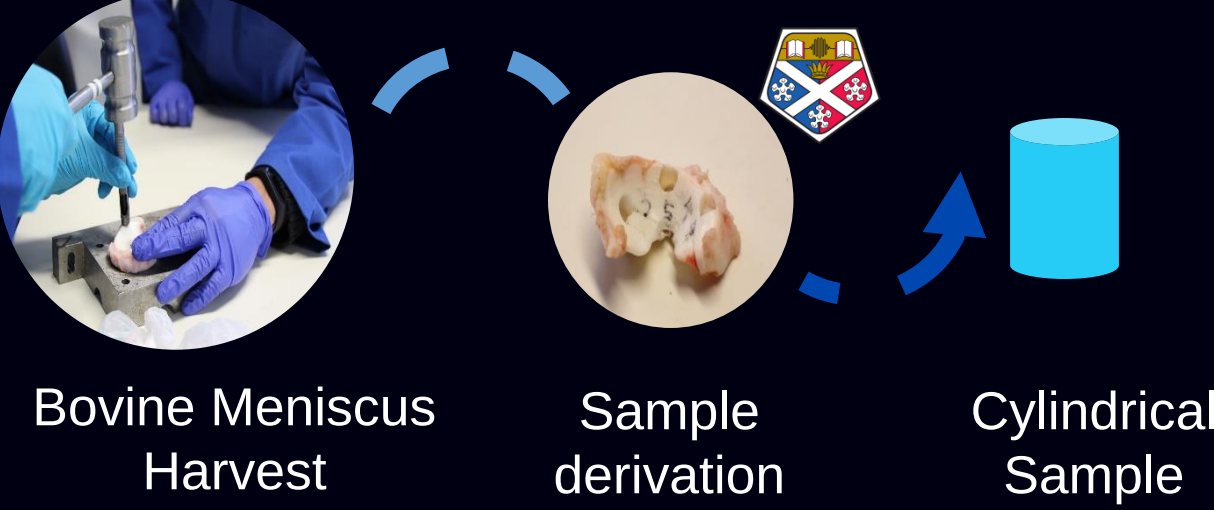
Introduction

Joint injury is the damage over the joint tissues, including articular cartilages, ligaments, tendons or menisci. Out of these different joint injuries, meniscus and tendon injuries give rise to an unmet clinical need for patients. While it is estimated that over 30 million patients per year require tendon related operation, 23.8 out of each 100,000 people within the world population suffer from meniscus injury per year^{1,2}. Although an array of therapeutic strategy is developed, ranging from non-surgical conservative treatment, minimal invasive treatment to surgical treatment, full recovery of either injured menisci or tendons haven't been achieved. With this being the case, this project aims to invent a novel material, HydroJel, in hope of allowing the potential construction of optimal approaches for full menisci and tendons remedy.

Product Development

1. Meniscus Replacement

1.1 Animal Model



1.2 Mechanical Testing

