

**A GUIDE FOR PATIENTS**

# **LITERATURE**

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literature page



# ❖ Shoulder Injury

## ➤ Isolation and characterization of human mesenchymal stem cell derived from shoulder tissue involved rotator cuff tears

Recent studies report a relatively high failure rate for Tendon bone healing after rotator cuff repair. Several studies have investigated biologically augmented rotator cuff repair; however, none has shown the application of synovial mesenchymal stem cells for such repair.

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## ➤ Allogeneous tendon stem/progenitor cells in silk scaffold for functional shoulder repair

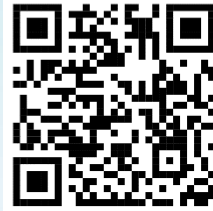
Tendon stem/progenitor cells (TSPCs) were recently identified within tendon tissues. This study aimed to investigate TSPC-seeded knitted silk-collagen sponge scaffold for functional shoulder repair.

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## ➤ The future role of mesenchymal stem cells in the management of shoulder disorders

Biologics may help to optimize the healing environment after rotator cuff repair. Mesenchymal stem cells (MSCs) may have the potential to regenerate a physiological enthesis, thereby improving healing at the repair site after rotator cuff repair.

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