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**LIST OF ABBREVIATIONS**

|  |  |
| --- | --- |
| SF | Silk Fibroin |
| Gly | Glycine |
| Ser | Serine |
| Ala | Alanine |
| Thr | Threonine |
| Val | Valine |
| hMSCs | Human Mesenchymal Stem Cells |
| MSC | Mesenchymal Stem Cell  |
| HA | Hyaluranic Acid |
| PEO | Polyethylene oxide |
| BMB-2 | Bone Moprhogenetic Protein -2 |
| BMSCs | Bone Marrow-Derived Mesenchymal Stem Cells |
| ACLFs | Anterior Cruciala Ligament Fibroblast |
| MPC | 2-metacryloxyethyl phosphorylcholine |
| HFIP | Hexafluoroisopropanol |
| ECM | Extracellular Matrix |
| LDL | Low-density Lipoprotein |
| HDL | High-density Lipoprotein |
| DOPC | 1-2,dioleoyl-sn-glycero-3-phosphocholine |
| PVA | Polyvinyl Alcohol |