
SECTION 2.6

Applications of Biomaterials in Functional Tissue Engineering

OUTLINE

Rebuilding Humans Using Biology and Biomaterials

Overview of Tissue Engineering Concepts and Applications

Tissue Engineering Scaffolds

Micromechanical Design Criteria for Tissue-Engineering Biomaterials

Tendon Tissue-Engineering Scaffolds

Bone Tissue Engineering

Biomaterials for Cardiovascular Tissue Engineering

Soft Tissue Engineering