
CHAPTER 3

Implants to Facilitate Tissue/Organ Regeneration

3.1 The Problem of the Missing Organ; Solutions

3.1 Regeneration versus Repair

3.2 Matrices for Tissue Regeneration

3.2.1 Chemistry

3.2.1.1 Synthetic Polymers

3.2.1.2 Analogs of Extracellular Matrix: Collagen-GAG Copolymers

3.2.2 Pore Characteristics

3.2.3 Degradation Rate