

SECTION 1.4

Materials Processing

OUTLINE

Introduction to Materials Processing for Biomaterials

Physicochemical Surface Modification of Materials Used in Medicine

Nonfouling Surfaces

Nonthrombogenic Treatments and Strategies

Surface-Immobilized Biomolecules

Surface Patterning

Medical Fibers and Biotextiles

Textured and Porous Biomaterials

Biomedical Applications of Additive Manufacturing