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Nota di contenuto	Intro -- BIODEGRADABLE MATERIALS: PRODUCTION, PROPERTIES AND APPLICATIONS -- BIODEGRADABLE MATERIALS: PRODUCTION, PROPERTIES AND APPLICATIONS -- CONTENTS -- PREFACE -- Chapter 1 TOWARDS PEDIATRIC URINARY BLADDER TISSUE ENGINEERING -- NORMAL BLADDER ANATOMY AND PHYSIOLOGY -- ETIOLOGY OF THE NEUROGENIC BLADDER -- CURRENT TREATMENT MODALITIES FOR THE NEUROGENIC BLADDER ARE INADEQUATE -- ADVANCES IN TISSUE ENGINEERING FOR BLADDER REGENERATION -- ALTERNATE CELL SOURCES FOR BLADDER TISSUE ENGINEERING -- BONE MARROW MICROENVIRONMENT -- MSC MULTIPOTENTIALITY AND GROWTH CHARACTERISTICS -- THE USE OF MSCS AS A TOOL FOR REGENERATIVE MEDICINE -- BONE MARROW CELLS AND BLADDER REGENERATION -- ENDOTHELIAL PROGENITOR CELLS FOR VASCULAR GROWTH -- NEURAL PROGENITOR/STEM CELLS -- EMBRYONIC STEM CELLS -- INDUCED PLURIPOTENT STEM CELLS -- SCAFFOLD MATERIAL SELECTION: BIOLOGICS VS. SYNTHETICS/POLYMERICS -- CONTROLLED DELIVERY OF GROWTH FACTORS FROM SCAFFOLDS ENHANCES TISSUE REGENERATION -- THE USE OF NANOTECHNOLOGY WITH SELF-ASSEMBLING MATRICES PROVIDES AN ALTERNATIVE METHOD OF GROWTH FACTOR DELIVERY -- SELF-ASEMBLING NANOMOLECULES -- PA MOLECULES FOR TETHERED GROWTH FACTOR DELIVERY -- DIFFERENTIATION OF NEURAL PROGENITOR CELLS WITH IKVAV

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