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Nota di contenuto	5.1. Homing of Mesenchymal Stem Cells 5.2. Growth Factors Influence the Ability of MSCs to Migrate; 5.2.1. PDGF; 5.2.2. IGF; 5.2.3. BMP-2, BMP-4, BMP-7, TGF-1, TGF-3; 5.2.4. EGF, HB-EGF, TGF α ; 5.2.5. FGF-2; 5.2.6. HGF; 5.2.7. VEGF-A; 5.3. Chemotactic Factors Influence the Ability of MSCs to Migrate; 5.3.1. SDF-1; 5.3.2. MCP-1, MIP-1a, IL-8; 5.3.3. RANTES, MDC; 5.3.4. Fractalkine; 5.3.5. SLC, TARC; 5.4. Other Chemoattractants; 5.4.1. LPA, S1P; 5.4.2. HMGB-1; 5.4.3. TNF- α ; 5.4.4. Ligands for Toll-Like Receptors; 5.5. Signaling Pathways Influence the Ability of MSCs to Migrate.
Sommario/riassunto	This monograph provides a current and in-depth review of scholarly information about mesenchymal stem cells and their application in the craniofacial region of the human body. Chapters in this volume cover biological and conceptual information about mesenchymal stem cells, induced pluripotent stem cells, craniofacial regeneration, new methods of scaffold fabrication, tooth regeneration and three-dimensional printing in dentistry. The book is suitable for clinicians and cell biologists aiming to gain a better understanding of the promising field of craniofacial regenerative medicine.