Stem Cells, Craniofacial Development and Regeneration is an introduction to stem cells with an emphasis on their role in craniofacial development. Divided into five sections, chapters build from basic introductory information on the definition and characteristics of stem cells to more indepth explorations of their role in craniofacial development. Section I covers embryonic and adult stem cells with a focus on the craniofacial region, while sections II-IV cover the development and regeneration of craniofacial bone, tooth, temporomandibular joint, salivary glands and muscle. Concluding chapters describe the current, cutting-edge research utilizing stem cells for craniofacial tissue bioengineering to treat lost or damaged tissue.

The authoritative resource for dentistry students as well as craniofacial researchers at the graduate and post-graduate level, Stem Cells, Craniofacial Development and Regeneration explores the rapidly expanding field of stem cells and regeneration from the perspective of the dentistry and craniofacial community, and points the way forward in areas of tissue bioengineering and craniofacial stem cell therapies.

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