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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Part 1: Current situation of the regenerative medicine -- Chapter 1: Current situation of the regenerative medicine -- Part 2: Development and regeneration of the ear.- Chapter 2: The inner ear -- Chapter 3: Regeneration of the Soft Tissue Defects of the External Auditory Meatus -- Chapter 4: Regeneration of the Tympanic Membrane -- Chapter 5: An approach in regenerative medicine for the treatment of intractable otitis media -- Chapter 6: Peripheral Nerve Regeneration by Tissue Engineering for Prevention of Misdirection -- Part 3: Development and regeneration of the nose and the paranasal sinuses -- Chapter 7: Development and regeneration of the nose and

the paranasal sinuses -- Part 4: Development and regeneration of the oral cavity and the pharynx -- Chapter 8: Development and regeneration of the oral cavity and the pharynx -- Part 5: Development and regeneration of the larynx -- Chapter 9: Laryngeal Development -- Chapter 10: Laryngeal framework regeneration -- Chapter 11: Vocal folds Development -- Chapter 12: Regeneration of the vocal fold -- Part 6: Development and regeneration of the head & neck - Chapter 13: Cranial bone regeneration -- Chapter 14: Salivary gland development and regeneration -- Chapter 15: Regeneration of the Trachea -- Chapter 16: Future perspective.

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#### Sommario/riassunto

This book describes an exciting new movement using regenerative medicine to treat patients with otolaryngological diseases. The emerging field of regenerative medicine uses tissue engineering, which combines medicine and engineering not only to treat the diseases themselves but also to enable recovery of the function of affected areas. As otolaryngology covers wide regions, including many diseases of the head and neck, the book is divided into sections, each corresponding to a different anatomical structure — the ear, nose, oral cavity, pharynx, larynx, and head and neck. The structural developments of each region, the underlying mechanisms of diseases specific to these regions, their experimental models, and proposals for new regenerative treatment are all discussed in detail. The various diseases and symptoms considered in the book include inner ear and middle ear diseases, rhinitis, nasal sinusitis, and otolaryngological cancers. To date there have been few clinical studies reporting regenerative medical applications in the field of otolaryngology, but in this volume leading authors present the latest research findings to help provide new therapies for patients in the future. This state-of-the-art information makes the book a valuable professional reference work for all doctors and researchers who focus on regenerative treatments in the field of otolaryngology and neuroscience.

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