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Nota di contenuto	Mucus, Goblet Cell, Submucosal Gland -- Coagulation system and rhinosinusitis -- Cilia, Ciliary Movement, and Mucociliary Transport -- Functional Defense Mechanisms of the Nasal respiratory Epithelium -- Local Nasal Inflammation : T Cells and B cells -- Mast Cells -- Macrophage -- The Neutophil and Chronic Rhinosinusitis -- The role of EO -- CRS and biologic therapies -- Nasal NO -- Physiology and Pathophysiology of Sneezing and Itching -- The Dry Nose -- Physiology of the Aging Nose and Geriatric Rhinitis -- Nutrition and the Upper Respiratory Tract -- Physiology of Lacrimal drainage -- Intranasal Trigeminal Perception -- Sinus Pain -- Computational Fluid Dynamics of the Nasal Cavity -- Physiology and Pathophysiology of Nasal Breathing -- Function of the Turbinates -- The Nasal valves -- Nose and Sleep Breathing Disorders -- Pathophysiology of OSAS -- Rhinomanometry -- Acoustic Rhinomanometry -- New Measurement methods in the Diagnosis of nasal Obstruction -- Testing of Transport, Measurement of Ciliary Activity -- Nasal Defensive Proteins -- Assessment of Olfactory Function -- Olfaction -- Electron Microscopy and the Nose -- Genetic Background of the Rhinologic Diseases -- Vomeronasal Organ -- Physiology of the Nasal Cartilages and their

	importance to Rhinosurgery -- Physiology and Pathophysiology of the Growing Skeleton -- Physiologic Concerns During Rhinplasty -- Nasal Pulmonary Interactions -- Phyiologic and Dentofacial Effects -- The nose and the Eustachian Tube. Nanomedicine and nose.
Sommario/riassunto	This fully revised and expanded second edition provides a comprehensive and up-to-date overview of nasal physiology and pathophysiology. With the help of numerous tables, schematic drawings, and color photographs, it helps readers gain a better understanding of the impact of structural changes and the process of disease development, and to make treatment decisions. Each chapter has been written by a leading expert in the field and addresses one important aspect in an accessible way. Covering all four functions of the nose: respiration, defense, olfaction and cosmesis, the book discusses the various techniques for the clinical evaluation of nasal function as well as current trends and future directions in nasal physiologic research. This second edition also includes additional chapters on rhinomanometry, local nasal inflammation, T cells and B cells, and artificial intelligence for the nose. Given its scope, the book is a valuable resource for both experienced otorhinolaryngologists and novices in the field.