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ISBN	981-15-6716-6
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXXIII, 308 p. 148 illus., 112 illus. in color.)
Collana	Biological and Medical Physics, Biomedical Engineering
Disciplina	620.106
Soggetti	Fluid mechanics
	Nose - Anatomy
	Nose - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Clinical Computational Fluid Dynamics The Human Nose Reconstruction of the Human Airways Generation of Computational Models For Simulation Models of Flow Computational Fluid Dynamics of the Nose Clinical CFD 1: Disorders of Nasal Airflow Clinical CFD 2: Other Applications Frontiers and Future Directions.
Sommario/riassunto	This book explores computational fluid dynamics in the context of the human nose, allowing readers to gain a better understanding of its anatomy and physiology and integrates recent advances in clinical rhinology, otolaryngology and respiratory physiology research. It focuses on advanced research topics, such as virtual surgery, Al-assisted clinical applications and therapy, as well as the latest computational modeling techniques, controversies, challenges and future directions in simulation using CFD software. Presenting perspectives and insights from computational experts and clinical specialists (ENT) combined with technical details of the computational modeling techniques, this unique reference book will give direction to and inspire future research in this emerging field.

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