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Sommario/riassunto	This book links oxygen metabolism from experimental animal models to human clinical applications, bringing together concepts and knowledge from laboratory models to clinical practice. In particular, the book provides the experimental results of a rat model exposed to various protocols that prove the suggested monitoring approach, describes the various monitoring devices developed for patients' monitoring in clinical situations, and provides a discussion of the

results as well as conclusions. The book is ideal for a range of basic scientists, seeking greater understanding of the clinical applications and potential translation of in vitro and animal model studies as well as a range of clinicians, seeking greater understanding of the fundamentals of oxygen metabolism and homeostasis.