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Nota di contenuto	1 A Clinician's Introduction to Artificial Intelligence -- 2 What you need to know about Artificial Intelligence: Technical Introduction -- 3 Artificial Intelligence and Ophthalmology: An Overview -- 4 Artificial Intelligence in cornea and refractive surgery -- 5 Artificial Intelligence and Cataract -- 6 Artificial Intelligence and Glaucoma -- 7 Artificial Intelligence in Retinal Diseases -- 8 Artificial intelligence in neuro-ophthalmology -- 9 Artificial Intelligence and Other Applications in Ophthalmology and Beyond -- 10 The Economics of Big Data -- 11 Ethics and Artificial Intelligence: The Pandora's Box.
Sommario/riassunto	The book helps to explore the vast expanse of artificial intelligence-based scientific content that has been published in the last few years. Ophthalmology has recently undergone a silent digital revolution, with machine learning and deep learning algorithms consistently outperforming human graders in studies published across the globe. It is high time that a resource that breaks this information behemoth into easily digestible bits comes to the fore. This book simplifies the complex mechanics of algorithms used in ophthalmology and vision science applications. It also tries to address potential ethical issues with machines entering our clinics and patients' lives. Overall it is essential

reading for ophthalmologists/eye care professionals interested in artificial intelligence and everyone who is looking for a deep dive into the exciting world of digital medicine.

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