1. Record Nr. UNISALENTO991000087459707536

Autore	Felisatti, Ettore
Titolo	Cooperare in team e in classe / Ettore Felisatti
Pubbl/distr/stampa	Lecce : La Biblioteca Pensa Multimedia, 2006
ISBN	8882324087
Descrizione fisica	202 p. ; 23 cm
Collana	Infanzia e primaria: professione insegnante
Disciplina	371.102
Soggetti	Didattica
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910820712103321

Autore	Kaschke Michael
Titolo	Optical devices in ophthalmology and optometry : technology, design principles and clinical applications / / Michael Kaschke, Karl-Heinz Donnerhacke, and Michael Stefan Rill ; cover design, Simone Benjamin
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , 2014 ©2014
ISBN	3-527-64898-4 3-527-64896-8 3-527-64899-2 9783527410682
Descrizione fisica	1 online resource (639 p.)
Altri autori (Persone)	DonnerhackeKarl-Heinz RillMichael Stefan BenjaminSimone
Disciplina	617.70028
Soggetti	Oftalmologia - Aparells i instruments Optometria - Aparells i instruments Ophthalmology - Equipment and supplies Optometry - Equipment and supplies

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title page; Contents; Preface; Part One; 1 Structure and Function; 1.1 Anatomy of the Human Eye; 1.2 Retina: The Optical Sensor; 1.2.1 Retinal Structure; 1.2.2 Functional Areas; 1.3 Recommended Reading; References; 2 Optics of the Human Eye; 2.1 Optical Imaging; 2.1.1 Entrance and Exit Pupils; 2.1.2 Cardinal Points; 2.1.3 Eye Axes; 2.1.4 Accommodation; 2.1.5 Resolution; 2.1.6 Adaption; 2.1.7 Stiles-Crawford Effect; 2.1.8 Depth of Field; 2.1.9 Binocular Vision; 2.1.10 Spectral Properties; 2.2 Schematic Eye Models; 2.2.1 Paraxial Model: The Gullstrand Eye; 2.2.2 Finite Wide-Angle Models 2.2.3 Applications of Eye Models2.3 Color Vision; 2.4 Recommended Reading; References; 3 Visual Disorders and Major Eye Diseases; 3.1 Refractive Errors; 3.1.1 Axial-Symmetric Ametropia: Myopia and Hyperopia; 3.1.2 Astigmatism; 3.1.3 Notations of Spherocylindric Refraction in Astigmatic Eyes; 3.1.4 Anisometropia; 3.1.5 Distribution of Refractive Errors; 3.1.6 Refractive Errors Caused by Diseases; 3.2 Cataract; 3.3 Glaucoma; 3.4 Age-Related Macular Degeneration; 3.4.1 ARM; 3.4.2 Dry AMD; 3.4.3 Wet AMD; 3.5 Diabetic Retinopathy; 3.6 Retinal Vein Occlusions; 3.7 Infective Eye Diseases 3.7.1 Trachoma3.7.2 Onchocerciasis; 3.8 Major Causes for Visual Impairment; 3.9 Major Causes of Blindness; 3.10 Socio-Economic Impact of Eye Diseases; 3.11 Recommended Reading; Problems to Chapters 1-3; References; Part Two; 4 Introduction to Ophthalmic Diagnosis and Imaging; 4.1 Determination of the Eye's Refractive Status; 4.2 Visualization, Imaging, and Structural Analysis; 4.3 Determination of the Eye's Functional Status; 4.3.1 Global Functional Status; 4.3.2 Local Functional Status; 4.4 Light Hazard Protection; References; 5 Determination of the Refractive Status of the Eye 5.1 Retinoscopy 5.1.1 Illumination Beam Path; 5.1.2 Observation Beam Path; 5.1.3 Measurement Procedure; 5.1.4 Accuracy in Retinoscopy; 5.1.5 Applications; 5.2 Automated Objective Refractometers (Autorefractors); 5.2.1 Common Characteristics of Autorefractors; 5.2.2 Measuring Methods; 5.2.3 Measurement Accuracy and Limitations of Automatic Refractometers; 5.3 Aberrometers; 5.3.1 Fundamentals of Aberrometry; 5.3.2 General Measurement Principles for Aberrometers; 5.3.3 General Remarks on Aberrometry; 5.3.4 Hartmann-Shack Wavefront Aberrometer (Outgoing Light Aberrometer) 5.3.5 Ingoing Light Aberrometers 5.3.6 Commercial Aberrometers; 5.4 Wavefront Reconstruction and Wavefront Analysis; 5.4.1 From Wavefront to Refraction (Wavefront Analysis); 5.4.2 Applications of Wavefront Analysis; 5.5 Excursus: Refractive Correction with Eye Glasses and Contact Lenses; 5.6 Recommended Reading; 5.7 Problems; References; 6 Optical Visualization, Imaging, and Structural Analysis; 6.1 Medical Magnifying Systems; 6.1.1 Optics of a Single Loupe; 6.1.2 Medical Loupes; 6.2 Surgical Microscopes; 6.2.1 Requirements for Surgical Microscopes; 6.2.2 Functional Principle 6.2.3 Modular Structure of Surgical Microscopes
Sommario/riassunto	Medical technology is a fast growing field. This new title gives a comprehensive review of modern optical technologies alongside their clinical deployment. It bridges the technology and clinical domains and will be suitable in both technical and clinical environments. It

introduces and develops basic physical methods (in optics, photonics, and metrology) and their applications in the design of optical systems for use in medical technology with a special focus on ophthalmology. Medical applications described in detail demonstrate the advantage of utilizing optical-photonic methods. Exercises an