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Nota di contenuto	Basic optics for intraocular lens power calculations -- Historic overview -- Modern formulas for intraocular lens power calculations -- The Olsen formula / Thomas Olsen -- The Haigis formula / Wolfgang Haigis -- The refractive formulas -- Calculating for iseikonia -- Physical principles of A-scan ultrasound / Shane Dunne -- The A-scan biometer -- A-scan biometry -- High precision A-scan biometry using the Kohn immersion shell / Gus Kohn -- Ultrasound measurement of the challenging eye / Pier Enrico Gallenga, Adriano Mancini, and Anastasia di Giovanni -- Avoiding errors in axial length measurement -- Optical biometry using partial coherence interferometry / Wolfgang Haigis -- B-mode guided biometry / Olivier Bergs ... [et al.] / Measuring the ultrasound axial length in biphakic eyes / Kenneth J. Hoffer -- Measuring the corneal power -- Intraocular lens power calculations after corneal refractive surgery -- Selecting the proper intraocular lens power -- The unexpected postoperative result