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Autore	Pavlidis Mitrofanis
Titolo	27-Gauge Vitrectomy : Minimal Sclerotomies for Maximal Results / / by Mitrofanis Pavlidis ; edited by Ulrich Spandau
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-20236-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (470 p.)
Disciplina	610
Soggetti	Ophthalmology Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Extras Online"--Cover. Includes index.
Nota di contenuto	27G: Development of 27G -- Differences between 27G and 25G /23G -- Disadvantages -- Advantages. Tools for 27G: Devices -- Instruments -- Future Developments / Needs. Techniques for 27G: Endoillumination -- Usage of Vitreous Cutter -- Posterior Hyaloid Detachment -- Membrane Peeling -- Delamination of Diabetic Membranes -- PVR Treatment -- Hemostasis and Marking of Retinal Tears -- Laser Treatment -- Fluid Air Exchange. Surgical Indications: Non Combined Vitrectomy -- Combined Phaco Vitrectomy -- MICVIT (Microincisional Cataract / Vitrectomy) -- Vitrectomy for Floaters -- Macular Pucker -- Macular Hole -- Vitreomacular Traction -- Dropped Nucleous -- Combined 27G PPV + Secondary IOL implantation -- Retinal Detachment -- Diabetic Retinopathy -- Silicone Oil Tamponade -- Silicone Oil Extraction -- Pediatric Vitrectomy -- Vitrectomy for Long Eyes -- Hybrid Procedures.
Sommario/riassunto	This book provides step-by-step instructions on how to operate with 27G instrumentation in a wide range of surgical indications, including vitreous floaters, macular holes, dropped nucleus, retinal detachment, diabetic retinopathy, submacular hemorrhage, retinopathy of prematurity and much trauma. All surgeries are approached in cookbook fashion, with initial coverage of the "ingredients" (devices and instruments) and then meticulous description of preparation and

performance with supporting photographs, drawings, and videos. In addition, the differences and benefits in comparison with 23G and 25G vitrectomy are highlighted. Small-gauge vitrectomy has radically changed the ways in which vitrectomy is performed. 27G vitrectomy is the most recent and most exciting development in small-gauge vitrectomy. The healing time is faster but the small diameter prolongs the duration of surgery. This obstacle has been overcome with powerful new vitrectomy machines and revolutionary vitreous cutters with two cutting blades making 27G vitrectomy as fast as 25G. This new equipment has expanded the indications for 27G surgeries immensely from detachment surgery to retinopathy of prematurity and the advent of new instruments may make 27G the gold standard in the future. This book, written by authors with huge experience in 27G vitrectomy, will enable surgeons to fully exploit its advantages.
