

1. Record Nr.	UNINA9910163018603321
Titolo	Microincision vitrectomy surgery : emerging techniques and technology // volume editors Hideyasu Oh, Yusuke Oshima
Pubbl/distr/stampa	Basel, Switzerland : , : S. Karger AG, , 2014 ©2014
ISBN	3-318-02661-1
Descrizione fisica	1 online resource (262 p.)
Collana	Developments in Ophthalmology, , 1662-2790 ; ; Volume 54
Disciplina	617.7/460598
Soggetti	Vitreous body - Surgery Retina - Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"145 figures, 124 in color, and 10 tables, 2014"--Cover.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Over the last two decades, tremendous progress has been made in vitrectomy surgery, most importantly the significant reduction of the gauge and implementation of microincision vitrectomy surgery (MIVS). At the same time, the introduction of wide-viewing systems and the utilization of vital dyes to better recognize structures like the vitreous and membranes have taken place. This volume starts with the fundamentals of MIVS, introducing both the mechanics and the physics of the latest generation of vitrectomy devices, followed by a description of the discrete gauge systems (i.e. 23-, 25-, and 27-gauge). Individualized but mandatory settings, techniques, and technology are also discussed in detail. There are also more than ten chapters outlining concrete surgical strategies that give surgeons a thorough overview of the procedures. Encompassing an overview of the recent advances in the field, this publication provides a valuable tool for general ophthalmologists as well as vitreoretinal specialists to easily review and master up-to-date information and surgical pearls.