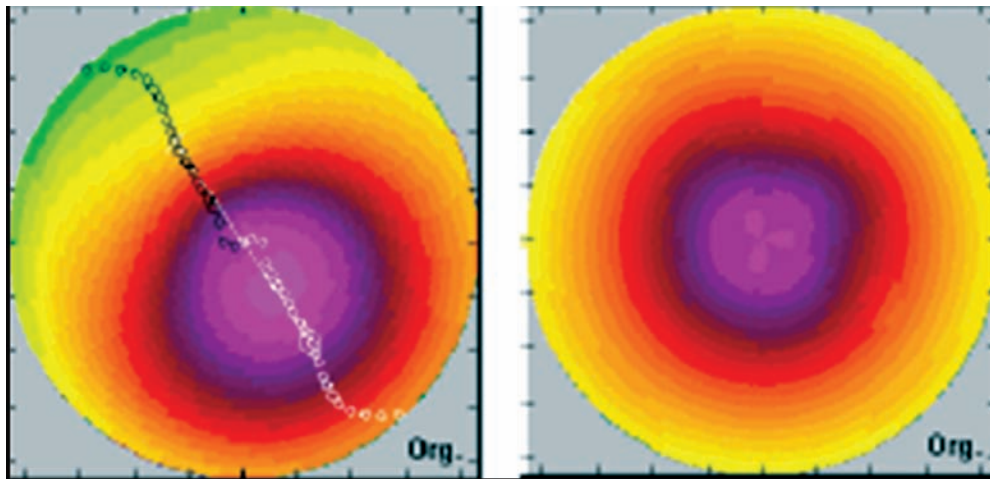


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Mastering the Techniques of Customized LASIK (Technology and Innovations)

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Dedicated to

- *My Respected Param Pujya Guru Sant Gurmeet Ram Rahim Singh Ji for his blessings and motivation.*
- *My Respected Parents, teachers, my wife Dr. Aruna Garg, son Abhishek and daughter Anshul for their constant support and patience during all these days of hard work.*
- *My dear friend Dr. Amar Agarwal, a renowned International Ophthalmologist for his constant support, guidance and expertise.*

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- *Yveric, Luc and Fanny Laure.*
- *Silvio Korol, who was not only a teacher but also an intellectual guide and a friend.*

Jerome Jean Bovet

- *I dedicate this book to India's Talented Ophthalmologists, in the fervent hope that they may become increasingly devoted to refractive surgery.*

Roberto Pinelli

- *To my son Valentin Aleksandar.*

Bojan Pajic

- *My parents for everything.*
- *To Vini my Best friend.*

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Foreword

It is a great honor and pleasure to write the foreword for *Mastering the Techniques of Customized LASIK (Technology and Innovations)*, edited by Dr. Ashok Garg and seven of his esteemed colleagues: Drs Emanuel Rosen, Dr JT Lin, Dr Noel Alpins, Dr Jerome Jean Bovet, Dr Roberto Pinelli, Dr Bojan Pajic, and Dr Cyres K Mehta. This book was an ambitious project, with 58 chapters divided into four sections covering the basic biophysics and preliminary considerations in customized LASIK, various customized LASIK techniques and platforms, customized LASIK complications and management, and recent advances in customized LASIK techniques. The inclusion of a DVD ROM makes this book an even more valuable teaching tool and reference source, as surgeons can watch actual intraoperative footage from the experts.



Speaking of experts: in this book, some of the very best international minds have come together to produce what I believe is, to date, the most extensive review of customized laser vision correction in existence.

Congratulations are in order for Dr Garg, his co-editors, and the many authors who took the time to share their knowledge so eloquently with us. Their work is both educational and inspirational, serving as a guiding light for those who wish to improve the way that medicine is practiced. I would like to end with a quote from Eleanor Roosevelt, which epitomizes their spirit: “The future belongs to those who believe in the beauty of their dreams.”

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Preface

Laser Refractive Surgery is in its second decade and improvements realized in this time is remarkable. Wavefront Guided Customized Lasik is a recent advancement in Corneal Refractive Surgery that is designed to correct refractive error and higher order aberrations as measured on each patient preoperatively individually. Reducing these aberrations leads to significantly improve visual performance and patient satisfaction. In Customized Lasik refractive outcomes have become increasingly accurate due to nomogram, Laser algorithm adjustments and the use of larger treatment zones, the focus has shifted to maintain or possibly increasing the quality of vision. Latest generation of wavefront based platforms shall allow the refractive surgeons to visualize this goal. Excellent visual acuity results that are achieved with Customized Lasik have led to high patient satisfaction rates and surgeon comforts. As compare to Conventional Lasik Surgery which causes a rise in higher order corneal aberrations, the Customized Lasik ablation intends to maintain the prolate shape of the cornea and reduce corneal surface irregularities which leads to excellent UCVA, better night vision quality and lenses induced wavefront aberrations postoperatively.

Present International book has been written with the aim of providing complete up-to-date information on Customized Lasik in a single comprehensive book which is otherwise not available at an international level. This international book contains 58 excellent chapters written by International Customized Lasik experts covering all aspects from Biophysics to various customized lasik techniques and platforms, Complications management and Recent Advances in a lucid manner. Various new technique-like customized Presbyopic lasik, Aspheric lasik, Pentacam technology, New Algorithm to control corneal asphericity, Femtosecond Laser, Bladeless lasik surgery, Disposable custom configured microkeratome, Visiodynamics and Customized bifocal lasik are star features of this book. A video DVD ROM is an added attraction of the book showing Latest Customized Lasik Techniques by International Masters of this field.

Our special thanks to Sh. Jitendar P Vij, Chairman and Managing Director, M/s Jaypee Brothers Medical Publishers, Mr. Tarun Duneja (General Manager Publishing) and all staff members who took keen interest in the publication of this book in a short span of time.

We are confident that present book shall be able to meet all expectations of Customized Lasik surgeons worldwide to provide complete information on this subject in a comprehensive manner.

Editors

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