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Contributing professionals

**Prof. Carlo E. Traverso, MD**

Ophthalmology Dept, San Martino Hospital, Genova, Italy  
Professor of Ophthalmology  
Chairman of Clinica Oculistica University of Genova  
AAO Achievement Award, FARVIO  
President, EU EYE  
Chairman, EGS Foundation Board  
Medical director, FBOMJ Eye Bank of Genova  
Executive Committee Member, Istituto David Chiossone Genova

**Assist. Prof. Luis Abegão Pinto, MD, PhD**

Ophthalmology Dept, Hospital Santa Maria, Lisbon, Portugal  
Prof. Luis Abegão Pinto is the Head of the Glaucoma Clinic of the Department of Ophthalmology of Portugal's largest Hospital (Hospital Santa Maria) and serves as Assistant Professor of Ophthalmology at the Faculty of Medicine of Lisbon University, Portugal. He has authored or co-authored 50 indexed, peer-reviewed papers in Glaucoma. He is actively engaged in a number of scientific ophthalmological societies, including the European Glaucoma Society (EGS) and European Vision and Eye Research (EVER).

**Assoc. Prof. Vikas Chopra, MD**

Associate Professor, Ophthalmology  
David Geffen School of Medicine at UCLA  
Steward and Hildegard Warren Endowed Chair  
Doheny Eye Institute  
Principal Investigator, Doheny Image Reading Center  
Medical Director, UCLA Doheny Eye Centers - Pasadena  

60+ Peer-reviewed publications  
AAO Achievement Award  
Active Member: AAO, AGS, ABO

Introduction

The Gonioscope was developed to capture the entire 360 degrees of the angle using a unique 16 surface multi-mirrored prism lens. By optimizing the multimirror prism lens, a white LED is projected into the angle, simulating indirect static gonioscopy. Captured images can be stitched together to provide a view of the entire angle to support angle assessment and clinical findings.

Width of the angle

Open → Closed
Contributing professionals

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Width of the angle

Open → Closed
Clinical evaluation

**Synechia**

Comment
Closed angle
Trabecular meshwork is not visible.

**Iris processes**

Comment
This is different from synechiae.

**Neo-vessels**

March 2018
Comment
White arrow: same vessel in both pictures
Black arrow: increased neovascularization, indicating progressive disease

August 2018

**Angle closure**

Comment
Minor gap between the full length synechia

**Angular recession**

Comment
Cyclodialysis + Iridodialysis with sclera visible through cleft

**Sea-serpent**

Comment
A physiological vessel circling the iris, not to be confused with neovascularization

---

*1* Images courtesy of Prof. C. E. Traverso, MD, Clinica Oculistica, Di.N.O.G.M.I., University of Genova - Ospedale Rodolfo S. Martin, Italy

*2* Images courtesy of Assist. Prof. Luis Abegao Pinto, MD, PhD, University of Lisbon, Portugal

* Images courtesy of Vikas Chopra, MD, Doheny Eye Institute, UCLA, USA

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Clinical evaluation

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Surgical evaluation

Drainage system implantation

Comment
Linear stitching and individual images

Trabeculectomy

Comment
Black arrow: Scleral window
White arrows: Iridectomy beneath the scleral hole

Post-vitreous surgery

Comment
Silicone oil covering the entire superior angle

Images courtesy of Prof. C. E. Traverso, MD, Clinica Oculistica, Di.N.O.G.M.I., University of Genova - Ospedale Policlinico S. Martino, Italy

Images courtesy of Assist. Prof. Luis Abegao Pinto, MD, PhD, University of Lisbon, Portugal
**Surgical evaluation**

**Drainage system implantation**

* Images courtesy of Prof. C. E. TRAVERSO, MD, Clinica Oculistica, Di.N.O.G.M.I., University of Genova - Ospedale Policlinico S. Martino, Italy
* Images courtesy of Assist. Prof. Luis Abegao Pinto, MD, PhD, University of Lisbon, Portugal

**Comment**

Linear stitching and individual images

**Trabeculectomy**

* Images courtesy of Prof. C. E. TRAVERSO, MD, Clinica Oculistica, Di.N.O.G.M.I., University of Genova - Ospedale Policlinico S. Martino, Italy

**Comment**

Black arrow: Scleral window
White arrows: Iridectomy beneath the scleral hole

**Post-vitreous surgery**

**Comment**

Silicone oil covering the entire superior angle

**Synechiae**

**Iridoplasty**

**Synechiae**
Clinical and surgical evaluation

Phakic IOL implantation

Comment
White arrow: Haptic of phakic IOL
Black arrows: Epithelial ingrowth covering the angle

MIGS device 1

Comment
Trabecular bypass microstent within Schlemm’s canal

MIGS device 2

Comment
Focusing on the device

Comment
Blue arrow: MIGS implant
Green arrows: Trabeculectomy ostium
Orange arrow: Pigment deposit inferiorly
Red arrow: Iris torn from the root

Images courtesy of Assist. Prof. Luis Abegao Pinto, MD, PhD, University of Lisbon, Portugal
* Images courtesy of Vikas Chopra, MD, Doheny Eye Institute, UCLA, USA
Surgical evaluation

Phakic IOL implantation*1

Comment
White arrow: Haptic of phakic IOL
Black arrows: Epithelial ingrowth covering the angle

MIGS device 1*2

Comment
Trabecular bypass microstent within Schlemm’s canal

MIGS device 2*1

Comment
Focusing on the device

Clinical and surgical evaluation

Comment
Blue arrow: MIGS implant
Green arrows: Trabeculectomy ostium
Orange arrow: Pigment deposit inferiorly
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*1 Images courtesy of Assist. Prof. Luis Abegao Pinto, MD, PhD, University of Lisbon, Portugal
*2 Images courtesy of Vikas Chopra, MD, Doheny Eye Institute, UCLA, USA
Automated Gonioscopy Clinical Cases
GS-1 Gonioscope

* Image courtesy of Prof. C. E. TRAVERSO, MD, Clinica Oculistica, Di.N.O.G.M.I., University of Genova - Ospedale Policlinico S. Martino, Italy

Brochure and listed features of the device are intended for non-US practitioners.

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