



Dra. Felicidad Manero

The Cornea, Cataract and Refractive Surgery Department of the IMO, Institute of Ocular Microsurgery

Lecturer in the Cornea and Refractive Surgery Master's Degree of the Instituto de Microcirugía Ocular

License Number: 24.913

Curriculum

Professional Profile

Specialist in anterior segment pathology at the Ocular Microsurgery Institute and professor on the Master's Course in Cornea and Refractive Surgery run by the IMO and the Faculty of Medicine at the Autonomous University of Barcelona.

Training

Bachelor of Medicine and Surgery from the Autonomous University of Barcelona in 1986.

Sponsored by the IMIM (Municipal Institute of Medical Research) from 1988 to 1994 in the Ophthalmology Department of La Esperanza Hospital in Barcelona.

Specialisation

Expert in ocular surface diseases.

Professional Appointments

Medical advisor to Novartis (ophthalmic division) from 1994 to 2004.

Since 1994 she has practised ophthalmology in the Cornea and Refractive Surgery Department of the Retina/Vitreous Centre at Clínica Quirón, Barcelona, and later at the IMO, as part of Dr Güell's team.

Research

She is also co-researcher in clinical trials into intraocular lenses carried out at the IMO.

She has participated as a co-researcher in different clinical trials. (Principal researcher: Dr J.L. Güell):

HOLOCORE. Efficacy and Safety of Autologous Cultivated Limbal Stem Cells Transplantation (ACLST) for Restoration of Corneal Epithelium in Patients With Limbal Stem Cell Deficiency. (7424-01)

PRGF-ENDORET (BTI-011-EC/15/QUER)

BIOTEK-PADCICLO (MC2-03-C1)

- Acrysof lens (Alcon). Phakic intraocular lens. Since 2000.
- Artiflex (Ophthec). Phakic intraocular lens. Since 2002.
- Tecnis Lens (Pharmacia) pseudophakic IOL. 2003.
- LAL (Calhoun): Pseudophakic light-adjustable lens. Since 2006.
- IOL (Corneal): lente pseudofáquica esférica. Pseudophakic aspherical lens. Since 2006. **Biomedical Research Foundation, Clinic Hospital.** Ocular surface regenerative medicine: cellular therapy applications for ocular surface repair with ex-vivo amplification of sclerocorneal limbus autologous progenitor cells over amniotic membrane. Since 2012.
- **Bioftalmik.** Development of a multiparametric diagnosis/prognosis system for keratoconus and other corneal ectasias based on biomarkers. Since 2011.

Publications

Güell JL., Elies D., Honorio Pallas, **Manero F.** Capitulo 11: Lente Intraocular fásica y cataratas. Videos 11-1: Cataratas en portador de lente fásica de cámara anterior. Video 11-2: Cataratas en portador de lente fásica de cámara posterior. Video 11-3: Cataratas en portador de lente PRL Monografía 2016. Complicaciones en la cirugía del cristalino. Francisco Poyales. Elsevier. Monografías SECOIR. ISBN (Versión impresa): 978-84-9113-034-5. ISBN (Versión Electrónica):978-84-9113-079-6.

Pallás JH., Güell JL., Segovia E., Gris O., **Manero F.** Capítulo 8.4.1 Queratoprótesis de Boston tipo I: técnica quirúrgica y postoperatorio. Queratoplastias: Nuevas técnicas para el siglo XXI. Sociedad Española de Oftalmología. 2016. ISBN: 978-84-89085-62-6

Güell JL, Morral M., Elies D, Gris O, Gaytan J, **Manero F.** Melting. In: Jorge L. Alio, Dimitri T Azar. Management of Complications in Refractive Surgery. 2nd Edition. Springer's distributor in theUSA, Lippincott Williams and Wilkins (LWW) Editors: 2016.

Güell JL, Morral M., Elies D, Gris O, **Manero F.** CXL in combination with phakic lenses. In: Hafezi F, Randleman B. Corneal collagen cross-linking. 2nd Edition. SLACK 2016.

Güell J.L., Verdaguer P, Elies D, Gris O, **Manero F.** Persistent stromal scar after PRK and CXL: different preoperative findings, similar complication. J Refract Surg 2015 Mar;31(3): 211-2

Güell J.L., M. Morral, O.Gris, D. Elies, **Manero F.** (Manuscript 2015-35) Comparison of 20% SF6 versus air as Tamponade in Descemet membrane Endothelial Keratoplasty. Ophthalmology 2015;-1-8 2015 . <http://dx.doi.org/10.1016/j.opthta.2015.05.013>.

Güell J.L., Verdaguer P, Mateu-Figueras G, Elies D, Gris O, El Hussein MA, **Manero F.**, Morral M. SMILE Procedures With Four Different Cap Thicknesses for the Correction of Myopia and Myopic Astigmatism. J Refract Surg. 2015 Sep 1;31(9):580-5.

Güell J.L., Verdaguer P, Elies D, Gris O, **Manero F.** Corneal impairment in a patient with type 2 dystal arthogryposis. Eye Contact Lens 2015 Jan ;41(1): e5-8. Doi.10.1097/ICL.0b013e3182a2f881

Morrall M, Güell J.L., El Hussein M, Elies D, Gris O, **Manero F**. Paired-Eye comparison of corneal endothelium cell counts after Unilateral Iris-Claw Phakic Intraocular Lenses. J Cataract Refract Surg 2016; 42:117–126

Verdaguer P, Güell J.L., Mateu-Figueres G, Elies D, Gris O, **Manero F**, Morrall M. Unilateral Iris-claw Intraocular Lens Implantation for Aphakia: A Paired-Eye Comparison. Accepted at the Cornea Journal on July 2016

Güell JL, Morrall M, Gris O, Elies D, Manero F. Chapter 18: Corneal Collagen Cross-Linking in Combination with Phakic Intraocular Lenses. Book: Corneal Collagen Cross-linking. CXL Editors: Farhad Hafezi/ J.Bradley Randleman. SLACK Incorporated. 2013.

Güell JL, P. Verdaguer, Gris O, Elies D, Manero F. Monografía 2013. " Atlas de técnicas complejas en la cirugía del segmento anterior ". Capítulo: reconstrucción del iris. Ed: Elsevier, 2013.

Güell JL, Gris O, Aristizabal D, Elies D, Manero F, Morrall M. Chapter 40: Sequential sectorial conjunctival epitheliectomy and superficial keratectomy. Book: Ocular Surface Disorders Edited by Jose M Benitez del Castillo y Michael Lemp. JP Medical Publishers, 2013.

Güell JL, Elies D, Verdaguer P, Gris O, Manero F. ESASO COURSE SERIES. Vol 3. Cataract. Chapter: Phakic Intraocular lenses in Keratoconus. Morrall M. Chapter: Laser Corneal Refractive Surgery: An Update. Editor: Güell J.L. Barcelona. Karger Edition. 2013.

Güell JL, Verdaguer P, Elies D, Gris O, Manero F. Corneal Impairment in a Patient With Type 2 Distal Arthrogyrosis. Eye Contact Lens. 2013 Nov 27.

Güell JL, Morrall M, Gris O, Elies D, Manero F. Bimanual Technique for Insertion and Positioning of Endothelium-Descemet Membrane Graft in Descemet Membrane Endothelial Keratoplasty. Cornea 2013; 32: 1521–1526

Güell JL, Verdaguer P, Elies D, Gris O, Manero F. Reply: Corneal hydrops after intrastromal corneal ring segment implantation. Journal cataract refractive Surg 2013;39(5):816

Güell JL, Elies D, Manero F, Gris O, Morrall M. Veryflex: Pearls for the implantation and for the right position and surgical results. En: Phakic IOLs: State of the Art. LASIK-The evolution of Refractive Surgery. Buratto L, Slade S, Tavolato M. SLACK, 2012.

Verdaguer P, **Güell JL, Elies D, Gris O, Manero F**. Cover Story. Enhancement after LASIK. Treatment of corneal epithelial ingrowth. *Cataract and Refractuce SurgeryToday Europe*. 2012: June; 34-40.

Güell JL, Morral M, **Gris O, Elies D, Manero F**. Transient myopic shift after phakic intraocular lens implantation. *J Cataract Refract Surg*. 2012 Jul; 38(7):1283-7.

Güell JL, Morral M, **Gris O, Elies D, Manero F**. Treatment of symptomatic bullous keratopathy with poor visual prognosis using a modified gundersen conjunctival flap and amniotic membrane. *Ophthalmic Surg Lasers Imaging*. 2012 Nov 1; 43(6):508-12.

Güell JL, Morral M, Malecaze F, **Gris O, Elies D, Manero F**. Collagen crosslinking and toric iris-claw phakic intraocular lens for myopic astigmatism in progressive mild to moderate keratoconus. *J Cataract Refract Surg*. 2012 Mar; 38(3):475-84.

Güell JL, Morral M, Malecaze F, **Gris O, Elies D, Manero F**. Reply Crosslinking and Toric Phakic IOL in keratoconus. *J Cataract Refract Surgery* 2012; 38(8): 1514-1515.

Güell JL, Verdaguer P, **Elies D, Gris O, Manero F**. Acute corneal hydrops after intrastromal corneal ring segment implantation for keratoconus. *J Cataract Refract Surg*. 2012 Dec; 38(12):2192-5.

Güell JL, Morral M, **Gris O, Elies D, Manero F**, Saenz N. Barcelona-Cincinnati Technique for Limbal Transplantation. *J Emmetropia* 2012; 3:119-123.

Güell JL, Morral M, **Gris O, Elies D, Manero F**. Treatment of Symptomatic Bullous Keratopathy with Poor Visual Prognosis Using a Modified Gundersen Conjunctival Flap and Amniotic Membrane. *Ophthalmic Surg Lasers Imaging*. November/December 2012 ;43 (6):508-512.

Güell JL, Elies D, Gris O, **Manero F**, Morral M. *Femtosecond laser-assisted enhancements after laser in situ keratomileusis*. *J Cataract Refract Surg*. 2011 Nov; 37(11):1928-31.

Güell JL, Arcos E, Gris O, Aristizábal D, Pacheco M, Sanchez C, **Manero F**. *Outcomes with the Boston Type 1 Keratoprosthesis at Instituto de Microcirugía Ocular IMO*. *Saudi Journal of Ophthalmology* (2011) 25, 281–284.

Güell JL, Morral M, Malecaze F, Gris O, Elies D, **Manero F**. *Collagen crosslinking and toric iris-claw phakic intraocular lens for myopic astigmatism in progressive mild to moderate keratoconus*. *J Cataract Refract Surg*. 2012 Mar; 38(3):475-84.

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Güell JL, Morral M, Gris O, **Manero F**. *Case Report: Amniotic membrane transplantation for epithelial hyperplasia after photorefractive keratectomy on an intrastromal corneal ring segments recipient keratoconic cornea*. British Journal Of Ophthalmology. October 2009.

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Güell JL, Morral M, Salinas C, Elies D, Gris O, **Manero F**. *Intrastromal corneal ring segments to correct low myopia in eyes with irregular or abnormal topography including forme fruste keratoconus: 4-year follow-up*. J Cataract Refrac Surgery. 2010; 36(7):1149-1155

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Güell JL, Morral M, Elies D, **Manero F**. *Chapter 8: Toric phakic intraocular lenses for the correction of refractive errors in Keratoconus*. Pag. 59-72. Editor: R. Pinelli, A Leccisotti. Keratoconus Surgery and Cross-linking. Jaypee Brothers Medical Publishers (P) LTD: St. Louis 2009. 186

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Güell JL, Sanchez C, Elíes D, Gris O, **Manero F**, Morral M, Sisquella M, Marin Sanchez JM, Artal P. Monografía : *Cirugía de la Presbicia. Capitulo 25: Lentes Ajustables con la Luz*. SECOIR 2010: 315-324.

J.L. Güell, M.Morral, O.Gris, F. Manero. Letter. Management of Epithelial Hyperplasia after photorefractive keratectomy on a cornea with Intrastromal Corneal Ring Segments. Br J Ophthalmol 2010;94 (11):1547-1548

J.L. Güell, M.Morral, D. Elies, O.Gris, F.Manero. Chapetr 6: Complications of Excimer surgery. Book: Ophthalmic Surgery 4/e Spaeth et al. Elsevier Editorial.(Probably edited in ——J.L. Güell, O. Gris, F. Manero, M. Calatayud, M. Torrabadella., M. Morral. Chapter 146: Indications for and Uses of Amniotic membrane. Pag 1647.Book. Cornea. Surgery of the Cornea and Conjunctiva. Third Edition.. Volume Two. Krachmer, Mannis, Holland. Mosby Elsevier Inc. 2011.

Jose L. Guell, MD; Merce Morral, MD PhD; François Malecaze, MD PhD; Oscar Gris, MD PhD; Daniel Elies, MD; Felicidad Manero, MD. Collagen Cross-linking and Toric Iris-Claw Phakic Intraocular Lens for Myopic Astigmatism in Progressive, Mild-to-moderate Keratoconus Journal Cataract refractive Surgery (submitted in February 2011),, Accepted Pending for publication

Güell JL, Elies D, Gris O, Manero F, Morral M. Femtosecond Laser assisted Enhancements after LASIK. Journal Cataract Refract Surg 2011. (Accepted for publication in May 2011 in press) Porbablemente se publicara en Octubre/Noviembre 2011

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Güell JL, Arcos E, Gris O, Aristizabal D, Pacheco M, Sanchez C, Manero F. Outcomes with the Boston Type 1 Keratoprosthesis at Instituto de Microcirugía Ocular IMO. Saudi Journal of Ophthalmology (2011) 25, 281–284

MONOGRAFIA 2011. Metodos de Diagnostico en Segmento anterior. Alfredo Castillo Gómez. Capitulo 38: J.L. Güell, Elies D, Salinas C, Manero F, Gris O, Morral M. Estudio patología corneal con OCT . Capitulo 20: Güell JL, Elies D, Gris O, Manero F, Pacheco

M, Sanchez C. Sistema Combinado Topografía-tomografía Visante omni. Capitulo 3: Aristizabal D, Gris O, Güell JL, Elies D. Estudio endotelial con microscopia especular

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Jose L. Güell MD, PhD; Merce Morral MD, PhD; Oscar Gris MD, PhD; Daniel Elies MD; Felicidad Manero MD Treatment of symptomatic bullous keratopathy with poor visual prognosis using a modified Gundersen conjunctival flap and amniotic membrane (submitted in the BJO. October 2011)

Güell JL, Verdaguer P, Elies D, Gris O, Manero F. Acute corneal hydrops after intrastromal corneal ring segment implantation for keratoconus. J Cataract Refract Surg. 2012 Dec;38(12):2192-5. doi: 10.1016/j.jcrs.2012.10.032. PubMed PMID: 23195257.

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Güell JL, Morral M, Gris O, Elies D, Manero F. Transient myopic shift after phakic intraocular lens implantation. J Cataract Refract Surg. 2012 Jul;38(7):1283-7. doi: 10.1016/j.jcrs.2012.04.020. Epub 2012 May 18. PubMed PMID: 22608029.

Güell JL, Morral M, Malecaze F, Gris O, Elies D, Manero F. Collagen crosslinking and toric iris-claw phakic intraocular lens for myopic astigmatism in progressive mild to moderate keratoconus. J Cataract Refract Surg. 2012 Mar;38(3):475-84. doi: 10.1016/j.jcrs.2011.10.031. Epub 2012 Jan 20. PubMed PMID: 22261324.

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