



Dr. Carlos Mateo

The Retina and Vitreous Department of the IMO, Institute of Ocular Microsurgery.

Lecturer in the Retina and Vitreous Master's Degree of the IMO.

License Number: 17.494

Curriculum

Professional Profile

Founding partner and ophthalmologist specialising in the retina at the Ocular Microsurgery Institute. Associate professor on the Master's Course in Retina and Vitreous run by the IMO and the Faculty of Medicine at the Autonomous University of Barcelona and part-time teacher on the retina modules at the European School for Advanced Studies in Ophthalmology, ESASO.

His main areas of interest are the pathology of high myopia, retinal detachment, severe ocular trauma and diabetic retinopathy. His daily practice, medical as well as surgical, is also oriented towards AMD treatment, retinal vascular disease and diabetic macular pathology.

Introduced macular translocation techniques in Spain, such as subretinal neovascularisation in age-related macular degeneration (AMD) and high myopia.

Introduced macular indentation techniques in Spain for treating tractional macular disease in high myopia.

Training and Professional Activity

Graduate in Medicine and Surgery from the Clinical Hospital of Barcelona

Ophthalmology resident at the Valle de Hebrón General Hospital. Autonomous University of Barcelona.

Staff doctor in the Retina and Vitreous Department of the Barcelona Valle de Hebrón General Hospital (1985-2000)

Specialist surgeon in vitreoretinal surgery at the Catalonia General Hospital (1987-1991)

Member of the Retina and Vitreous Centre of Barcelona (1991-1994)

Coordinator of the vitreoretinal surgery section for proliferative diabetic retinopathy at the Fundación Sardá Farriol (1994-2000)

Teaching

Associate professor of Ophthalmology at the UAB (Autonomous University of Barcelona) in the Master's Course on Surgical Retina

Senior Lecturer at the European School for Advanced Studies in Ophthalmology (ESASO)

Professor of the European Vitreo Retinal Society Training School (EVRTS).

Affiliations

- American Academy of Ophthalmology
- American Society of Retina Specialists
- Arab African Society of Retina Specialists (honorary member)
- European Society of Retina Specialists (EURETINA)
- Spanish Ophthalmology Society
- Spanish Retina and Vitreous Society (SERV)
- Catalanian Ophthalmology Society

Recent Publications

Mazzarella S, **Mateo C.**, Freixes S, Burés-Jelstrup A., Ríos J, Navarro R, García-Arumí J, Corcóstegui B, Arrondo E. Effect of intravitreal injection of dexamethasone 0,7 mg (Ozurdex®) on intraocular pressure in patients with macular edema. *Ophthalmic Res* 2015; 54 (3): 143-9.

Mateo C., Burés-Jelstrup A. Macular buckling with Ando plombe may increase choroidal thickness and mimic serous retinal detachment seen in the tilted disk syndrome *Retinal Cases Brief Rep* 2016; 10:327-330

Ohno-Matsui K, Alkabes M, Salinas C, **Mateo C.**, Moriyama M, Cao K, Yoshida T. Features of posterior staphylomas analyzed in wide-field fundus images in patients with unilateral and bilateral pathologic myopia. *Retina*. 2016 Aug 23.

Oleñik A, Rios J, **Mateo C.** Inverted internal limiting membrane flap technique for macular holes in high myopia with axial length ≥ 30 mm. *Retina*. 2016 Sep;36 (9):1688-93. doi: 10.1097

Güell JL, Arrondo E, Cortina S, Echevarría J, Gomez Resa, MV, Gris O, Hannush S, **Mateo C.** Chapter: *Boston KPro I: Complications*. Edition: Springer Publishing. Book: keratoprosthesis and Artificial Corneas: Fundamentals and Surgical applications. C26 Chapters . July 2014.

Alkabes M, Burés-Jelstrup A, Salinas C, Medeiros MD, Rios J, Corcostegui B, **Mateo C.** *Macular buckling for previously untreated and recurrent retinal detachment due to high myopic macular hole: a 12-month comparative study*. *Graefes Arch Clin Exp Ophthalmol*. 2014 Apr;252(4):571-81. doi: 10.1007/s00417-013-2497-y. Epub 2013 Oct 26. PubMed PMID: 24158373.

Alkabes M, Pichi F, Nucci P, Massaro D, Dutra Medeiros M, Corcostegui B, **Mateo C.** *Anatomical and visual outcomes in high myopic macular hole (HM-MH) without retinal detachment: a review*. *Graefes Arch Clin Exp Ophthalmol*. 2014 Feb;252(2):191-9. Epub 2014 Jan 3. PubMed PMID: 24384802.

Burés-Jelstrup A, Alkabes M, Gómez-Resa M, Rios J, Corcóstegui B, **Mateo C.** *Visual and anatomical outcome after macular buckling for macular hole with associated foveoschisis in highly myopic eyes*. *Br J Ophthalmol*. 2014 Jan;98(1):104-9. Epub 2013 Oct 29. PubMed PMID: 24169656.

Dutra Medeiros M, Postorino M, Navarro R, Garcia-Arumí J, **Mateo C.**, Corcóstegui B. *Dexamethasone Intravitreal Implant for Treatment of Patients with Persistent Diabetic*

Macular Edema. Ophthalmologica. 2013 Dec 19. [Epub ahead of print] PubMed PMID: 24356099.

Alkabes M, Burés-Jelstrup A, Salinas C, Medeiros MD, Rios J, Corcostegui B, **Mateo C**. *Macular buckling for previously untreated and recurrent retinal detachment due to high myopic macular hole: a 12-month comparative study*. Graefes Arch Clin Exp Ophthalmol. 2013 Oct 26. [Epub ahead of print] PubMed PMID: 24158373.

Mateo C, Dutra Medeiros M, Alkabes M, Burés-Jelstrup A, Postorino M, Corcóstegui B. *Illuminated Ando plombe for optimal positioning in highly myopic eyes with vitreoretinal diseases secondary to posterior staphyloma*. JAMA Ophthalmol. 2013 Oct;131(10):1359-62. PubMed PMID: 23949132.

Medeiros MD, Postorino M, Pallás C, Salinas C, **Mateo C**, Garcia-Arumí J, Corcóstegui B. *Cyclodialysis induced persistent hypotony: surgical management with vitrectomy and endotamponade*. Retina. 2013 Sep;33(8):1540-6. PubMed PMID: 23598794.

Dutra Medeiros M, Navarro R, Garcia-Arumí J, **Mateo C**, Corcóstegui B. *Dexamethasone intravitreal implant for treatment of patients with recalcitrant macular edema resulting from Irvine-Gass syndrome*. Invest Ophthalmol Vis Sci. 2013 May 7;54(5):3320-4. PubMed PMID: 23599334.

Mateo C, Dutra Medeiros M, Alkabes M, Burés-Jelstrup A, Postorino M, Corcóstegui B.

Illuminated Ando Plombe for Optimal Positioning in Highly Myopic Eyes with Vitreoretinal Diseases Secondary to Posterior Staphyloma. JAMA Ophthalmol 2013; 131: 1359-1362.

Mateo C, Gómez-Resa MV, Burés-Jelstrup A, Alkabes M. *Surgical outcomes of macular buckling techniques for macular retinoschisis in highly myopic eyes*. Saudi J Ophthalmol 2013; 27: 235-239.

Alkabes M, Padilla L, Salinas C, Nucci P, Vitale L, Pichi F, Burés-Jelstrup A, **Mateo C**. *Assessment of OCT measures as prognostic factors in myopic macular hole surgery without foveoschisis*. Graefes Arch Clin Exp Ophthalmol. 2013; 251: 2521-2527.

Gómez-Resa MV, Burés-Jelstrup A, **Mateo C**. *Myopic traction maculopathy*. Dev Ophthalmol. 2014; 54: 204-212.

Medeiros MD, Alkabes M, Navarro R, Garcia-Arumí J, **Mateo C**, Corcóstegui B. *Dexamethasone intravitreal implant in vitrectomized versus nonvitrectomized eyes for treatment of patients with persistent diabetic macular edema*. J Ocul Pharmacol Ther.

2014 Nov;30(9):709-16. doi: 10.1089/jop.2014.0010. Epub 2014 Sep 26. PubMed PMID: 25259834.

Dutra Medeiros M, Postorino M, Navarro R, Garcia-Arumí J, **Mateo C**, Corcóstegui B. *Dexamethasone intravitreal implant for treatment of patients with persistent diabetic macular edema*. Ophthalmologica. 2014;231(3):141-6. doi: 10.1159/000356413. Epub 2013 Dec 19. PubMed PMID: 24356099.

Conferences and Courses

Mateo C. (2016) 1) Moderator. Surgical Retina. 2) Speaker 1.Considerations about silicone oil 2.Viscodelamination in Proliferative diabetic retinopathy 3.Guest Lecture: Dealing with P.V.R., a personal approach 4.Complex Retinal detachment - common discussions. Upper Egypt Retina Meeting. Luxor

Mateo C. (2016) 1) Moderator. Retina quirúrgica. 2) Speaker 1.Consideraciones quirúrgicas en la alta miopía 2.Podemos reducir las complicaciones en la cirugía del DR... "yes, we can". Fórum Arruzafa 2016. Córdoba

Mateo C. (2016) Speaker. Dealing with myopic retinoschisis in high myopia. Retinapoli 2016. Nápoles

Mateo C. (2016) Speaker. Vitreoretinal Surgical Rounds: What Would Machemer Do?. Annual Meeting of American Academy of Ophthalmology. Chicago

Mateo C. (2016) Speaker. 1) Macular buckle: Indications, techniques and results 2) Complex RD: Common themes. XVI EURETINA Congress. Copenhagen

Mateo C. (2016) Speaker. 1) Tackling PVR: My Way 2) Macular Buckle: My Experience. Delhi Retina Meet 2016. Nueva Delhi

Mateo C. (2016) Speaker. Surgery of PDR. Surgical Retina ESASO Module. European School for Advanced Studies in Ophthalmology. Lugano

Mateo C. (2016) Speaker. Terapias de rescate y nuevos tratamientos: Indentador macular como terapia de rescate para agujeros maculares miópicos persistentes. Mácula 2016. Barcelona

Mateo C. (2016) 1) Moderator. Live Surgery. 2) Speaker 1.Myopic Traction Maculopathy: Vitrectomy and ILM peeling vs. Macular Buckling 2.Idiopathic macular hole: What we know and what we don't know 3.IOFBs: My personal pearls and tricks 4.Dry macular

folds: why, how and when to treat them. 14th International Meeting of The Egyptian Vitreoretinal Society (EGVRS). El Cairo

Mateo C. (2016) 1) Surgeon. Live Surgery: operations in 3D. 2) Speaker 1. Myopic Foveoschisis and Macular Holes: ILM Peeling with Buckle 2. Surgical Retina: The Secret of Avoiding Subretinal PFCL. Frankfurt Retina Meeting. Frankfurt

Mateo C. (2016) Speaker. Una charla especial: Maculopatía traccional en el alto miope. XVIII FacosElche. Elche

Mateo C. (2016) 1) Speaker 1. Retinal detachment: PVR tips and tricks 2. New Devices and techniques: Boston K-Pro. A V-R point of view 3. Macular holes in high myopia: A Real Challenge 4. Troubles dealing with myopic tractional foveoschisis. 2) Panelist 1. Panel 2: Vitreomacular traction 2. How do I do it video panel. 3) Moderator. Vitreoretina 4: New Devices and techniques. 6th Cairo Retina Meeting. El Cairo

Mateo C. (2015) 1) Speaker. 1. Working under air during Vitrectomy. Why and When 2. Myopic maculopathy: Myopic Macular Hole. Is it still a challenge?. 2) Director. Myopic maculopathy. FLOREtina 2015. Florencia

Mateo C. (2015) Speaker. Instruction Course: Vitreoretinal Surgical Techniques: How Do I Do It?. Annual Meeting of American Academy of Ophthalmology. Las Vegas

Mateo C. (2015) Speaker. Foveoschisis y agujero macular miópico: opciones quirúrgicas. Barcelona Retina Meeting. Barcelona

Mateo C. (2015) Speaker. 1) Diabetic Traction 2) Role of Scleral Buckling in Macular Hole 3) Management of Posterior Dislocated IOL 4) PVR Management Sub-Retinal Strand. Al Qassimi Ophthalmology International Conference 2015. Dubai

Mateo C. (2015) Speaker. 1) Disorders of the Vitreoretinal Interface Symposium: Treatment of macular foveoschisis and macular hole in high myopia 2) ASRS Symposium: New Advances in Management of Posterior Retinal Detachment in High Myopia 3) ESASO Symposium: Myopic schisis 4) What to do when faced with myopic foveoschisis associated with foveal detachment?. 15th EURETINA Congress. Niza

Mateo C. (2015) Speaker. Vitreoretinal Surgical Techniques: How Do I Do It? ASRS Annual Meeting. Viena

Mateo C. (2015) Speaker. European Vitreoretinal Society (EVRS) Training School. Bremen

Mateo C. (2014) 1) Speaker. Tractional Myopic Maculopathy. 14th European Vitreoretinal Society Meeting (EVRS). Porto.

Mateo C. (2014) 1) Speaker. Retinal Detachment. Vigo Retina. Vigo.

Mateo C. (2014) 1) Speaker. High myopic foveoschisis and the story goes on and on and on... Duke's University Symposium. Durham.

Mateo C. (2014) 1) Panellist. Controversies in Surgical Retina: Panel on Controversial Surgical Cases. 2) Speaker. Surgical Retina: Debate II: Myopic foveoschisis. Vitrectomy. 5th World Congress on Controversies in Ophthalmology (COPHY). Lisbon.

Mateo C. (2014) Live surgery. Frankfurt Retina Meeting. Frankfurt.

Mateo C. (2014) Free communication. Anatomical results in myopic macular hole with axial lengths greater than 30 mm after vitrectomy surgery via pars plana and inverted flap technique. 18th Conference of the Spanish Retina and Vitreous Society, SERV. Seville.

Mateo C. (2014) 1) Roundtable. Vitreoretinal junction: roundtable 2) Chairman/Speaker. Vitreoretinal surgery: Macular Buckling... Meeting the past. Retina: A global perspective. Treviso

Mateo C. (2014) 1) Speaker. Intraocular foreign body. 2) Speaker. Idiopathic macular hole. What we know and what we do not know. 40th Annual Meeting of the Galician Ophthalmology Society. Lugo.

Mateo C. (2014) 1) Vitreous-Retina Symposium Moderator/Speaker. Macular translocation in the antiangiogenic age? First Roundtable. 2) Vitreous-Retina Symposium, Moderator/Speaker. Vitreous-retina surgical videos. Second Roundtable. 46th Conference of the Andalusian Ophthalmology Society. Cadiz.

Mateo C. (2014) Speaker. Controversies in idiopathic macular hole. Novartis Preceptorship. Barcelona.

Mateo C. (2013) Speaker. What we know about idiopathic macular holes. 5th Cairo Retina Meeting Joined by the Arab African Society of Retina Specialists (AASRS). Cairo.

Mateo C. (2013) Faculty. Japanese Society of Cataract and Refractive Surgery 28th Annual Meeting. Tokyo.

Mateo C. (2013) Faculty. Classes, Live Surgery and Discussion Groups. 12th European Vitreo-Retinal Training School. Bremen.

Mateo C. (2013) Roundtable. Vitreous-retina surgical videos. Vitreous-retina symposium. 46th Conference of the Andalusian Ophthalmology Society.

Mateo C. (2013) Speaker. Myopic Retinopathy. 2nd Low Vision and Visual Rehabilitation Conference organised by the Spanish Society of Low Vision Specialists, SEEBV.

Mateo C. (2013) 1) Organising committee. 2) Live surgery. 3) Speaker. Macular Buckling in High Myopic Eyes. Trends in Surgical and Medical Retina. Barcelona

Mateo C. (2013) Speaker. Posterior scleral buckling or vitrectomy in myopic eye, Speaker: Carlos Mateo. In session: Innovative vitreoretinal surgery. European Society of Ophthalmology. Copenhagen.

Mateo C. (2013) Live surgery. Present and Future Challenges in Severe Retinal Diseases. Verona.

Mateo C. (2013) Keynote speech. 21st Conference of the Ophthalmological Society of Castile-Leon, ACLOFT. Burgos.

Mateo C. (2013) 1) Presentation. AMD 2) Presentation. Retinal Detachment 3) Presentation. Diabetic Retinopathy. 30th Annual Symposium of the King Khaled Eye Specialist Hospital and the 25th Annual Scientific Meeting of the Saudi Ophthalmological Society. Saudi Arabia.

Research

Collaborator researcher. FOVISTA (OPH-1004B)

Collaborator researcher. SPECTRI (GX29185)

Collaborator researcher. NEUTON (AFLI -2014-01)

Collaborator researcher. HARRIER (RTH-258-C002)

Collaborator researcher. AQUA. "Open-label Phase-IV study to examine the change of vision-related quality of life in subjects with diabetic macular edema (DME) during

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microcirugía
ocular

treatment with intravitreal injections of 2 mg aflibercept according to EU label for the first year of treatment”. (BAY 86-5321 /17850)

Collaborator researcher. AZURE. An open-label, randomized, active-controlled, parallel-group, Phase-3b study of the efficacy, safety, and tolerability of 2 mg aflibercept administered by intravitreal injections using two different treatment regimens to subjects with neovascular age-related macular degeneration (nAMD). (BAY 86-5321 /16598)

Collaborator researcher. VIOLET. An open-label, randomized, active-controlled, parallel-group, Phase-3b study of the efficacy, safety, and tolerability of three different treatment regimens of 2 mg aflibercept administered by intravitreal injections to subjects with diabetic macular edema (DME). (17613)