



Dr. José García-Arumí

The Retina Department of the IMO, Institute of Ocular Microsurgery

Lecturer of Masters in Retina and Vitreous of the IMO

License Number: 17.215

Curriculum

Professional Profile

Founding partner and retina specialist at the Institute of Ocular Microsurgery. Academic Head of the Master's and Postgraduate programmes at the IMO Research Foundation, which is part of the Department of Surgery at the Autonomous University of Barcelona (UAB). Professor of Ophthalmology and Coordinator of the Ophthalmology knowledge area of the Faculty of Medicine at the UAB.

He is President of the Catalan Ophthalmology Society, Head of the Ophthalmology Department at Vall d'Hebron University Hospital and Director of the Ophthalmology Biomedical Research Unit at the same hospital since 2007.

Member of the Royal Academy of Medicine in Barcelona. On a national level, he is Vice-president of the Spanish Retina and Vitreous Society (SERV) and a member of the Board of Directors of the Spanish Ophthalmology Society. On an international level, he holds the position of Liaison Leader of the American Society of Retina Specialists (ASRS) for Europe, is a member of the Board of Directors of EURETINA and the Board of Directors of Club Jules Gonin, as well as being a founding member and professor at the European School of Advanced Studies in Ophthalmology (ESASO).

He is a specialist in retina surgery, with a special interest in the treatment of diabetic retinopathy and complicated retinal detachment surgery. He is a pioneer in Spain in the treatment of macular hole, intraocular tumour surgery and retinal vascular disease..

Training

Bachelor in Medicine from the Autonomous University of Barcelona (UAB) and Doctor of Medicine also from the Autonomous University of Barcelona (UAB).

He undertook a vitreoretinal fellowship with Robert Cooling at Moorfields Eye Hospital, London, in 1986.

Specialisation

Diabetic Retinopathy, retinal surgery and surgical or brachytherapy treatment of intraocular tumours.

His areas of interest are vitreoretinal surgery, with particular focus on eye surgery, diabetic retinopathy and the macular hole.

He has introduced to Europe new techniques for the surgical treatment of retinal vascular pathology. He has also been a pioneer in the surgical treatment of venous thrombosis and arterial embolisms, as well as the surgical resection of intraocular tumours.

Memberships

- Medical Science Academy of Catalonia and the Balearics
- American Academy of Ophthalmology
- Club Jules Gonin
- Ocular Oncology Group
- Pan-American Society of Ophthalmology
- Catalan Ophthalmology Society (president)
- Spanish Ophthalmology Society
- Spanish Retina and Vitreous Society (vice president)
- Spanish Retina and Vitreous Society (founding member)
- French Ophthalmology Society

IMO
instituto de
microcirugía
ocular

Professional Appointments

Founder of GEMTO (Spanish Multi-Centre Ocular Trauma Study Group) in September 1992, Seville.

Organiser of the GEMTO National Conference in April 1993, Madrid.

Organiser of the international course on advances in the treatment of intraocular tumours, Barcelona, June 1995.

Head of the retina section in the Ophthalmology Department of Quinta de Salut de l'Aliança Hospital from 1988 to 1991.

Healthcare coordinator in the Ophthalmology Department of Catalonia General Hospital from 1988 to 1991.

Staff doctor in the Ophthalmology Department of Vall d'Hebrón University Hospital from 1991.

Head of section in the Ophthalmology Department of Vall d'Hebrón University Hospital from April 1998.

Coordinator of the Ophthalmology Department of the same hospital from July 1998.
Head of the Ophthalmology Department from 2001.

Director of the Ophthalmology Biomedical Research Unit of Vall d'Hebrón University Hospital since 2007.

Founding member of the Ocular Microsurgery Institute of Barcelona, where he practises as a vitreoretinal surgeon and is also a coordinator of the Ophthalmic Oncology Unit.

Teaching

President of the IMO Foundation for research and teaching.

Lecturer for the Ophthalmology Knowledge Area at the Autonomous University of Barcelona, Faculty of Medicine.

Professor of the Retina modules at ESASO, European School for Advanced Studies in Ophthalmology, Lugano, Switzerland.

Coordinator of the Knowledge and Ophthalmology Area at the Valle de Hebrón Teaching Unit.

García-Arumí, José. Speaker: RETINAWS. Subretinal PFCL. Rush University Medical Center, Fort Lauderdale, Florida. May, 2010.

García-Arumí, José. Professor: RETINAWS. Rush University Medical Center, Fort Lauderdale, Florida, May, 2009.

García-Arumí, José. Lead professor and coordinator on the doctorate course Retinal detachment surgery: Endoresection in choroidal melanoma. Traumatic retina detachment: how is it diagnosed and treated? Diabetic macular oedema. Therapeutic algorithm. Vall d'Hebrón Hospital – UAB. Barcelona. April, 2009.

García-Arumí, José. Professor: ESASO course. Retinal vascular occlusions; surgical treatment. Surgery of the macular hole. ESASO, Lugano, Switzerland. February – September, 2009.

García-Arumí, José. Speaker: Doctorate course Myopic retina. Myopic macular hole. Vall d'Hebrón Hospital – UAB. Barcelona. March, 2010.

García-Arumí, José. Speaker. Post-graduate course about Diagnosis and treatment of macular disorders. Round table moderator. Myopic maculopathy. Absence of closure or post-surgical reopening of the macular hole: treatment alternatives. 7th Meeting of Former Students from the Barraquer Institute. UAB – Barraquer University Institute. Barcelona. April, 2010.

García-Arumí, José. Director of the doctorate course on Vitreoretinal disease. Retina detachment secondary to open-globe trauma. Vitreoretinal surgery on choroidal tumours. Vall d'Hebrón Hospital – UAB. Barcelona. May, 2010.

Doctoral theses

As a **Professor of Ophthalmology** and Coordinator of the Ophthalmology knowledge area of the Faculty of Medicine at the UAB, **Dr. José García-Arumí** has directed the following doctoral theses:

Intraocular Straylight and Contrast Sensitivity Two Months Afer Lasik: Intraocular Straylight Measurement as a New Parameter in Visual Quality Assessment Gustavo MONTENEGRO MARTÍNEZ. June 2012. Outstanding.

Biomacadores oculares en la enfermedad de alzheimer precoz. Estudio de capa de fibras nerviosas y células ganglionares de la retina y alternaciones papilares Sandra GÓMEZ SÁNCHEZ. September 2012. Outstanding.

Cirugía combinada de facoemulsificación de la catarata y esclerectomía profunda no perforante con implante supracoroideo. Maria Rosa BONILLA QUIJADA. September 2011.

Oct e índices de insulinoresistencia en diabéticos tipo 2 no insulino dependientes sin signos de retinopatía. Baltasar CORRÓ MOYÁ. September 2011.

Correlación entre los hallazgos anatomopatológicos y los hallazgos clínicos y en laboratorio en pacientes con arteritis de células gigantes. Lisette Teresa LÓPEZ TORRES. September 2011.

Síndrome del iris flácido intraoperatorio (IFIS): Estudio retrospectivo de incidencias de IFIS. Francesc MARCH DE RIBOT. September 2011.

Trabeculoplastia selectiva láser en glaucoma primario de ángulo abierto y glaucoma pseudoexfoliativo. Raquel SOCÍAS SEGURA. September 2011.

Implantació del dispositiu de drenatge per a glaucoma express en 25 pacients a l'Hospital Universitari Dr. Joseph Trueta de Girona. Teresa TORRENT SOLANS. September 2011.

Hallazgos oculares y sistémicos en pacientes con linfoma coroideo. Maria José ROMERO RODRÍGUEZ. September 2011.

Estudio de la Agudeza Visual final correlación con variables anatómicas y funcionales objetivas en pacientes con Desprendimiento de Retina primario. Marcos Javier RUBIO CASO. September 2011.

Análisis de las formas clínicas de uveítis asociadas a esclerosis múltiple. Revisión retrospectiva de los casos atendidos en el servicio de oftalmología del Hospital Universitario Vall d'Hebron. Daniel VELÁSQUEZ VILLORIA. September 2011.

Características de la apertura palpebral en la regeneración aberrante del tercer nervio craneal: análisis de la población atendida en el servicio de oftalmología del Hospital Universitario Vall d'Hebron. Luisa VÉLEZ ESCOLÀ. September 2011.

Relación entre parámetros analíticos, parámetros tomográficos y edema macular en pacientes diabéticos tipo 2 no insulino dependientes. Sebastián Andrés PRIETO BRICEÑO. September 2011.

Estudio prospectivo de eficacia y seguridad de pegaptanib sodio en el tratamiento primario del edema macular secundario a trombosis venosas de la retina. Marta GARCÍA VILARÓ. June 2011.

Factores determinantes del tiempo de demora y resultados funcionales en pacientes con desprendimiento de retina rhegmatogeno primario tratado mediante vitrectomía vía pars plana. Lucía LORAS QUEROL. September 2010.

Eficacia del implante express en el tratamiento del glaucoma crónico de ángulo abierto. Juan Antonio EZPELETA CAMPAÑA. September 2010.

Correlación entre la alteración del IS/OS y resultados visuales a largo plazo en el AM cerrado quirúrgicamente. Cristina PUJADAS GARCIA. September 2010.

Incidencia de la hipertensión ocular y glaucoma agudo por bloqueo pupilar tras implante de lente intraocular fáquica tipo ICL. Resultados anatómicos y funcionales a corto y medio plazo. Resultados preliminares. Miquel CALLIZO PLANAS. June 2010.

Cribado de la retinopatía diabética mediante retinografía digital no midriática. Spyridoula SOUKI. September 2010.

Eficacia del implante de una matriz de colágeno (Ologen®) en la exéresis del pterigion. Maria del Pilar PRATS VIDAL. September 2009.

Evaluación de ciclotodestrucción transesceral con láser diodo en el glaucoma refractario. Alejandro CÉSPEDES DOBÓN. September 2009.

Comparación del espesor macular entre niños diabéticos sin retinopatía diabética y niños sanos. Raquel BAÑÓN NAVARRO. September 2009.

Etiología, pronóstico visual y orígenes de la endoftalmitis endógena. Revisión retrospectiva de casos registrados en el Hospital Vall d'Hebron. Miriam CARBAJAL FONTANET. September 2009.

Características de los pacientes con uveítis e hipertensión ocular en nuestra área. Joel SUÁREZ JÁUREGUI. September 2009.

Cuantificación de los factores de riesgo cardiovascular en la DMAE exudativa. Elena RUSIÑOL RODRÍGUEZ. September 2009.

Toxoplasmosis ocular. Serie de casos. Laura NATALIA DISTEFANO. September 2009.

Tratamiento del melanoma coroideo. Estudio retrospectivo. Mateo PONS CRESPI. June 2009.

Determinación y análisis de los factores de riesgo en la retinopatía del prematuro. Marc MENEZO RALLO. June 2009.

Perfil biológico y factores clínicos en el desarrollo y severidad de la uveítis asociada a la artritis idiopática juvenil oligoarticular. Carmen GARCÍA DE VICUÑA MUÑOZ DE LA NAVA. June 2009.

Mediciones biométricas con Biomicroscopía ultrasónica de la cámara posterior y la relación con las medidas del diámetro limbal en pacientes con miopía axial moderada. Cosme LAVÍN DAPENA. September 2008.

La cirugía del pterigión: ¿Existe diferencia entre la plastia de conjuntiva y la plastia limboconjuntiva?. Olga ÁLVAREZ BULNES. September 2008.

Glaucoma 'Afàquic' post cirugía de cataractes congènites: incidència i factors no risc. Laura BELTRÁN AGUILÓ. September 2008.

Estudio comparativo de triple terapia: terapia fotodinámica + antivascular endothelial growth factor + triamcinolona versus doble terapia: terapia fotodinámica + antivascular endothelial growth factor para la degeneración macular asociada a la edad exudativa. Begoña PINA MARÍN. September 2008.

Relación y evaluación del síndrome metabólico, insulinoresistencia y edema macular en pacientes con diabetes mellitus tipo II. Josep BADAL LAFULLA. September 2008.

Afectación de la función visual en el Síndrome de Vogt-Koyanagi-Harada en fase crónica. Vanesa MARTÍN GÓMEZ. September 2008.

Análisis de las complicaciones precoces y tardías de la inyección intravítrea de triamcinolona en el tratamiento del edema macular en el Hospital Vall d'Hebron de Barcelona. Javier MORENO SANZ. September 2008.

Implantación de anillos intraestromales para la corrección del queratocono. Isabel MAYO PAMPÍN. June 2008.

Prevención de la progresión de la retinopatía diabética durante la cirugía de la catarata con el uso de triamcinolona intravítrea. Carlos BARNÉS RUIZ. June 2008.

Oxigenoterapia hiperbárica en el tratamiento de las oclusiones de la arteria central de la retina. Marta JORGE VISPO. June 2008.

Macular Thickness Measured in Diabetic Macular Edema Morphological and Functional Analysis using RTA and SAP. Juliana RODRIGUES YOSHIMOTO. June 2008.

Eritropoyetina y edema macular secundario a oclusiones venosas retinianas. Joan GIRALT JOSA. September 2007.

Endorresección mediante cirugía vitreoretiniana en el tratamiento de melanomas coroides altos de localización posterior. Óscar BALAGUER SOLÉ. September 2007.

L'ús dels filtres en el glaucoma. Sílvia BOVER SOLÀ. September 2007.

Efectos a corto plazo de BEVACIZUMAB en membranas neovasculares secundarias a degeneración macular asociada a la edad. Ana Maria CARDONA MONJO. September 2007.

Cirugía combinada de Vitrectomía vía pars plana y Queratoplastia penetrante: Resultados a largo plazo. Elisabet ESTEVE RIASOL. September 2007.

Estudio de las causas de epífora en el paciente con ectropion involutivo y protocolo de tratamiento en el Hospital Vall d'Hebron. Elisabeth CORONADO QUITLLET. September 2007.

Extracción quirúrgica de las membranas peripapilares. Maria Magdalena SASTRE COMAS. September 2007.

Estudio univariante de los factores pronósticos en el melanoma uveal tras enucleación. Javier Esteban FERNÁNDEZ GARCÍA. September 2007.

Vitrectomía con pelado de la M.L.I. en el edema macular diabético. Elena RIGO OLIVER. September 2007.

Técnica de Jones y tira tarsal lateral en el entropión evolutivo. Itziar FIGUERAS GARCÍA. September 2007.

Neurotomía radial óptica en oclusión de vena central y hemicentral de la retina. Arantxa URDIALES MERINO. September 2007.

Neuropatía per amiodarona. Daniel VILA SOLÀ. September 2007.

Cambio en el grosor de la capa de fibras nerviosas de la retina en pacientes VIH tratados con terapia HAART: Estudio con OCT. Laura PELEGRÍN COLÁS. June 2007.

Estudio de correlación entre campimetría y tomografía de coherencia óptica (OCT) en glaucoma. Anniken BURÉS JELSTRUP. June 2007.

Epidemiología de las uveítis en nuestro medio. Maria Esther SANTOS BLANCO. September 2006.

Linfomas de anejos oculares. José NIETO ENRÍQUEZ. September 2006.

Tractament de l'oclusió de la vena central de la retina: estudi comparatiu dels resultats als 12 mesos de la neurotomia òptica radial i del tractament conservatiu. Josep CALLIZO PLANAS. September 2006.

Revisión de la experiencia en cirugía de pterigion y análisis de sus resultados en el Hospital Vall d'Hebron. Jorge FARRANDO MARTÍNEZ. September 2006.

Prótesis microeléctricas aplicables en la retina, experiencia clínico quirúrgica, comparación de dispositivos, presente y proyección al futuro de la visión artificial. Joaquin Miguel LÓPEZ RODRÍGUEZ. June 2006.

Parálisis del tercer nervio craneal: análisis de la población atendida en el servicio de oftalmología del Hospital Universitario Vall d'Hebron. Carmen GARCÍA BADIA. June 2006.

Acetónido de triamcinolona intravítreo como coadyuvante al ciclofotodiodo transescleral de contacto en el tratamiento del glaucoma neovascular. Sara MARTÍN NALDA. September 2005.

Estudio comparativo sobre el periodo de posicionamiento postquirúrgico necesario en el tratamiento de las roturas inferiores en el desprendimiento de retina rhexmatógeno pseudofáquico primario mediante vitrectomía vía pars plana. Laia BISBE LÓPEZ. September 2005.

Acetónido de triamcinolona intravítrea en tratamiento del edema macular diabético. Emma-Beatriz AUSIN GONZÁLEZ. September 2005.

Uveítis recurrentes y tratamiento con anticuerpos monoclonales (DACLIZUMAB). Luis AMSELEM GÓMEZ. September 2005.

Estudio de la diplopia pre y post descompresión orbitaria en la oftalmopatía tiroidea y análisis del tratamiento quirúrgico del estrabismo post descompresión orbitaria. Ana WERT ESPINOSA. September 2005.

Estudio comparativo de la reducción de la energía necesaria para realizar la facoemulsificación de cataratas, con el nuevo sistema de micropulsos vs el anterior programa de ultrasonidos, con el equipo Millenium. M^a Cruz CIPRÉS PALACÍN. September 2005.

Endoftalmitis sacular tras cirugía de la catarata. Rodrigo ABREU GONZÁLEZ. June 2005.

Transplante de membrana amniótica. Miguel Ángel ZAPATA VICTORI. September 2004.

Terapia fotodinámica con verteporfín como tratamiento de la neovascularización coroidea yuxtafoveal secundaria a degeneración macular asociada a la edad y miopía patológica. Mercè MORRAL PALAU. September 2004.

Tratamiento del entropión involutivo con toxina botulínica. Álex FONOLLOSA CALDUCH. September 2004.

Neoplasias malignas primarias múltiples en pacientes con melanoma maligno de úvea. Julia MARTÍNEZ GARCÍA. June 2004.

Estudio de la relación entre las dimensiones pre-operatorias del agujero macular y agudeza visual evaluadas con OCT. Miguel Ángel DUARTE CALDERÓN. September 2003.

Tratamiento del desprendimiento de retina en pacientes pseudofáquicos. Jesús José TORRES BLANCH. September 2003.

Triamcinolona intravítrea. Heidari Nejad HABIB. September 2003.

Análisis de la población con parálisis del oblicuo superior atendida en el Servicio de Oftalmología de la Ciudad Sanitaria y Universitaria Vall d'Hebron. Tirso ALONSO ALONSO. September 2003.

Lente de Morcher. Fabian BRANDAO MELQUIADES DE ARAUJO. June 2003.

La membrana amniótica en oftalmología. Marc MONTOLIU GIL. September 2002.

Stent Nasolacrimal: tractament de l'obstrucció de la via lacrimal baixa. Javier VALLDEPERAS BELMONTE. September 2002.

Photodynamic therapy. Resultados en DMAE y en miopía patológica. Lluís ARIAS BARQUET. June 2002.

Estudio preliminar de la terapia fotodinámica de las membranas neovasculares miópicas. Laura BROC ITURRALDE. September 2001.

Síndrome del párpado flácido y citología de impresión. José Ignacio VELA SEGARRA. June 2001.

Tratamiento personalizado de la miopía. Jordi GATELL TORTAJADA. June 2001.

Retinopatía del prematuro: incidencia, severidad y evolución. Nieves MARTÍN BEGUÉ. June 2001.

Estudio descriptivo sobre indicadores y población sometida a queratoplastia en el servicio de Oftalmología de la Ciudad Sanitaria y Universitaria Vall D'Hebron. Anna BOIXADERA ESPAX. June 2001.

Doctoral thesis examination boards

Member of the doctoral thesis examination board for Doctorate of Surgery courses 2000-2001 to 2008-2009 both inclusive.

Research

Collaborating researcher. NEUTON. Phase IV trial to assess the efficacy of aflibercept in naïve patients with macular oedema secondary to central retinal vein occlusion (CRVO) on an individualised treat-and-extend (TAE) treatment regimen. (AFLI -2014-01)

Phase II-III, multicentre, prospective, randomised, controlled trial to assess the efficacy of neuroprotective drugs administered topically to prevent or stop diabetic retinopathy. Neurodegeneration as a close event in the pathogenesis of DR J García Arumí. Promoter: CAIBER

In Eye. A clinical trial in phase IV, open, random, three branches, multi-centric and 12 months' duration for assessing the effectiveness and safety of two treatment regimes, bi-monthly or "treat and extend" personalised flexible PRN versus a PRN regime according to stabilisation criteria by means of monthly 0.5 mg ranibizumab intravitreal injection assessments in naive patients with choroidal neovascularisation secondary to age-related macular degeneration. J García Arumí.

A 24 month trial, phase III-B, multi-centric, open, of a single treatment group, that assesses the effectiveness and safety of a personalised dosing regime on demand, according to defined stabilisation criteria with intravitreal injections of 0.5 mg of ranibizumab, applied as monotherapy in patients with visual impairment due to macular oedema secondary to central retinal vein occlusion (CRVO) J García Arumí.
Promoter: Novartis

Brighter. A 24 month trial, phase IIIb, multi-centric, open, random, with active control, three treatment groups in order to assess the effectiveness and safety of a personalised dosing regime on demand according to defined stabilisation criteria, with intravitreal injections of 0.5 mg of ranibizumab, applied as monotherapy or with laser retinal photocoagulation (ORVR). J García Arumí. Promoter: Novartis

A phase IV clinical trial for evaluating the genetic variants of the VEGF pathway with treatment effectiveness biomarkers with aflibercept in patients with neovascular AMD. J García Arumí. Promoter: The IMO Foundation

A phase IV clinical trial for assessing the effectiveness of aflibercept in naive patients with macular oedema secondary to central retinal vein occlusion (CRVO) in a personalised "treat and extend" (TAE) treatment regime. J García Arumí. Promoter: The Retina+ Foundation

BLUEPFD01 A phase I clinical trial, open, multi-centric, to establish the safety, tolerance and effectiveness of intraoperative blue perfluorodecalin in patients with rhegmatogenous retina detachment associated or not with proliferative vitreoretinopathy. J García Arumí. Promoter: IMO / HVH

MYPATHWAY A retrospective descriptive study about caring for high myopia patients with and without myopic choroidal neovascularisation (CNV) monitored by the retinologist. J García Arumí. Promoter: Novartis

CUN-RAN-2013-01 A retrospective study about the influence of clinical and genetic factors on the response to ranibizumab in AMD. J García Arumí. Promoter: Navarra University Clinic (CUN)

Observar: A descriptive study about caring for patients with diabetic macular oedema and macular oedema secondary to retinal vein occlusion by the retinology specialist and adherence to the official recommendations of the Spanish Retina and Vitreous Society (SERV). J García Arumí. Promoter: Novartis

NEW SYSTEMS OF NON-VIRAL ANTIANGIOGENIC GENE THERAPY FOR TREATING DIABETIC RETINOPATHY. J García Arumí.

LA MATARÓ TVE3: Cell therapy with pigmented retina and differentiated photoreceptor epithelium cells from pluripotent stem cells in a retinitis pigmentosa rat model. J García Arumí. Promoter: LA MARATÓ TVE3

FUNDALUCE: Photoreceptors and pigment epithelium differentiated from stem cells as a therapeutic strategy for retinitis pigmentosa in the RCS rat. J García Arumí. Promoter: Fundación Lucha con la Ceguera (Fundaluce).

PEDF TÓPICO: Active fraction of the pigment epithelium-derived factor (PEDF) in treating choroidal neovascularisation in the AMD animal model. J García Arumí.

A six month phase III, multicenter, masked, randomised, sham-controlled trial to assess the safety and efficacy of 700 mg and 360 mg dexamethasone posterior segment drug delivery system applicator system in the treatment of patients with macular edema following central retinal vein occlusion or branch retinal vein occlusion. Principal researcher at the IMO: J García Arumí. Promoter: Allergan.

Phase II/III, randomised, controlled, double-blind, multi-centric, comparative trial for the search for doses in parallel groups for comparing the safety and efficacy of intravitreal injections of 0.3, 0.03 or 0.003 mg of pegaptanib sodium (macugen®), administered every six weeks for three years compared to simulated injections in subjects with diabetic macular oedema that affects the centre of the macula. Principal researcher at the IMO: J García Arumí. Promoter: Pfizer.

Phase IIIb clinical trial, prospective, double-blind, controlled, randomised with parallel groups and multi-centric, to compare the safety and efficacy of photodynamic therapy with verteporfin (PDTV) versus the association of PDTV with intravitreal triamcinolone acetate in patients with subfoveal choroidal neovascularisation secondary to age-related macular degeneration (AMD). Principal researcher at the IMO: J García Arumí. Promoter: Novartis.

Multi-centric trial with double-masking, controlled with placebo and randomised of the microplasmin intravitreal injection for the non-surgical treatment of focal

vitreomacular adherence. Principal researcher at the IMO: J. García Arumí. Promoter: Thrombogenics.

Study in phase III, randomised, with double masking, compared with active substance for evaluating the efficacy, safety and tolerability of repeated doses of intravitreal Trap-Eye VEGF in subjects with neovascular-type age-related macular degeneration (AMD), VIEW 2. Principal researcher at the IMO: J García Arumí. Promoter: Bayer-Schering.

Phase III study, randomised, multi-centric, with double masking and controlled with laser, with the objective of assessing the efficacy and safety of ranibizumab (intravitreal injections) as combined and monotherapy treatment in patients with visual impairment secondary to diabetic macular oedema, RESTORE. Principal researcher at the IMO: J. García Arumí. Promoter: Novartis.

Grants and subsidies

Differential expression of cytokines and metalloproteinases in macular oedema secondary to retinal vein occlusive disorders and uveitic macular oedema: comparative analysis in vitreous humour. Principal researcher at the IMO: J. García-Arumí. Funding entity: ISC III, FIS Fellowship P1 060803.

The role of somatostatin-28 in the pathophysiology of macular oedema secondary to uveitis. Principal researcher at the IMO: J. García-Arumí. Funding entity: ISC III FIS Fellowship PI070414

Assessment of the efficacy and safety of intravitreal bevacizumab injection in treating choroidal neovascularisation associated with high myopia. Principal researcher at the IMO: J. García-Arumí. Funding entity: ISC III Project: EC07/90808. A coordinated, non-commercial clinical research project with drugs for human use.

Study about the efficacy and safety of intravitreal bevacizumab injections in macular oedema secondary to retinal vein occlusions (ebover). Principal researcher at the IMO: J. García-Arumí. Funding entity: ISC III A coordinated, non-commercial clinical research project with drugs for human use. Study code: EC08/00171.

Random and open study about the efficacy, safety and tolerability of repeated doses of intravitreal bevacizumab in patients with refractory uveitic macular oedema. Principal researcher at the IMO: J. García-Arumí. Funding entity: ISC III. A coordinated, non-

commercial clinical research project with drugs for human use. Study code: EC08/00117.

The role of sst-28 in uveitic macular oedema pathogenesis. Funding entity: ISC III PI070414. The research group I directed has been integrated in the rectics, a research group in the Themed Network: Ocular pathology of ageing, visual quality and quality of life), RD07/0062

Recent publications

Blanco Teijeiro, María Jose., Piñeiro Ces, Antonio. Asencio Duran M., Bande Rodriguez M., Bergès O., Caminal Mitjana JM., Distefano L., Elizalde Montagut J., Espejo Arjona F., Fernández Rodríguez MI., García Álvarez C., **García Arumí J.**, Gómez- Ulla F., Mataix Boronat J., Pardo Pérez M., Piulats Roderíguez JM., Ruiz- Oliva F., Santiago Varela M., Saornil Alvarez MA., Zapata Victori MA. Guías de Práctica Clínica de la SERV. Melanoma Uveal. ISBN: 978-84-608-6002-0. Marzo 2016

García-Layana A, Figueroa MS, Arias L, Araiz J, Ruiz-Moreno JM, **García Arumí J.**, Gómez-Ulla F, López-Gálvez MI, Cabrera-López F, García-Campos JM, Monés J, Cervera E, Armadá F, Gallego-Pinazo R. Individualized Therapy with Ranibizumab in Wet Age-Related Macular Degeneration. J Ophthalmol. 2015; 2015:412903. PMID: 26491550. PMC: 4600506. DOI: 10.1155/2015/412903. IF: 0,870

Mazzarella S, Mateo C, Freixes S, Burés-Jelstrup A, Rios J, Navarro R, **García Arumí J.**, Corcóstegui B, Arrondo E. Title: 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. PMID: 26394206. DOI: 10.1159/000438759. IF: 1,344

Alfredo García Layana; **García Arumí J.**; José M Ruiz Moreno; Lluís Arias Barquet; Francisco Cabrera López; Marta S Figueroa. A review of current management of vitreomacular traction and macular hole. Journal of Ophthalmology. 2015; 2015:809640. PMID: 25821592. PMCID: PMC4363823. DOI: 10.1155/2015/809640. IF: 0,870

García Arumí J.; Laura Distefano; A Fonollosa; C Quijano; B Corcostegui. Management of Vision-Threatening Complications of Vasoproliferative Tumors of the Retina.

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Other collaborations in scientific publications

Reviewer / evaluator of international journals with impact index:

- RETINA, the Journal of Retinal and Vitreous Diseases
- American Journal of Ophthalmology
- Ophthalmology
- British Journal of Ophthalmology
- Archives of ophthalmology
- Graeffes Archives for Clinical and Experimental Ophthalmology
- European Journal of Ophthalmology
- Clinical Ophthalmology

Reviewer / evaluator of Spanish journals:

- Archivos Sociedad Española de Oftalmología
- Annals d'Oftalmologia

Evaluator of research projects of the grants within the promotion programme for biomedical research and health sciences from the Ministry for Health and Consumer Affairs (FIS fellowships) from the 2002 call to the present.

International meetings

García-Arumí J. (2016) 1) Speaker. 1. Guest speaker lecture “Retinal Detachment & PVR” 2. “Surgical management of diabetic proliferative vitreoretinopathy” 2) Panellist. Live Surgery. Annual Israeli Retina Society Meeting. Jerusalem EYE TECHNOLOGY AND INNOVATIONS. THE ANNUAL ISRAELI RETINA SOCIETY MEETING. Jerusalem

García-Arumí J. (2016) 1. “Retinal Detachment Resulting from a Macular Hole” 2. “What to do when faced with vasoproliferative tumor?” 3. “Membrane Peeling: Staining and PFCL. Viscodissection in Closed Funnel.” 4. “Subretinal membranes and PVR” 5. “Proliferative Vitreoretinopathy, Surgical Management and Improved Techniques” 6. Case Discussions III 7. Symposium. “Retinal Detachment and PVR” 8. Novartis 9. “Retinal Vasoproliferative Tumour–The Barcelona Guide Treatment” 10. Retinaws Presentation 11. “Is Retinal Detachment after Cataract Surgery Preventable?” 12. Pre Meeting. ESCRS. Main Symposium 13. Pre-Meeting “ESCRS/EURETINA Symposium: Cataract, AMD and Beyond” 14. Main Symposium 2. ESCRS. ESCRS/EURETINA Symposium: Cataract, AMD and Beyond 15. “New Surgical Approaches for Diabetic Retinopathy” 16. “Free Papers Sessions: VR Surgery 5.” 16th Euretina Congress. Copenhagen

García-Arumí J. (2016) 1. Vitreoretinal Surgery “Internal limiting membrane flap transposition and inverted flap technique for highly myopic full-thickness macular holes” 2. Session XV Rapid Fire Papers: Vitreoretinal Surgery. “Intraoperative fusion of retinal breaks for the management of primary rhegmatogenous retinal detachment with pars plana vitrectomy alone.” 30th Meeting of the Club Jules Gonin. Bordeaux

García-Arumí J. (2016) 1. Master Class: PVR surgery 2. POSTER SESSION. Rapid-fire poster presentations 3. SESSION 5: CSC. 16th ESASO Retina Academy. Estoril

García-Arumí J. (2016) 1) Speaker. 1. OCT intraoperatorio: sviluppi futuri 2. Uso combinato di PFCL e Trypan blue nell’asportazione della PVR epiretinica 3. Trapianto autologo di ILM per i fori maculari refrattari 4. Inverted flap per i fori maculari miopici 2) Moderator. La PVR: management e tecniche chirurgiche 3) Grupo de discusión. Corso ESASO - Nuovi sviluppi nella chirurgia vitreoretinica. 17th GIVRE National Congress. Trieste

García-Arumí J. (2016) Speaker. 1. "Presurgical examination" 2. "Hyaloid detachment" 3. "Dissection of proliferative tissue" 4. "Use of anti-VEGF" 5. "Videos and cases studies." Intermediate & Advanced Surgical Retinal. European School of Advanced Studies in Ophthalmology (ESASO). Lugano

García-Arumí J. (2016) 1) Chairperson. "Controversies in Emergency (ESASO Course)" 2) Speaker. Management of Tractional Diabetic Retinopathy." 12th International Congress of the Middle East Africa Council of Ophthalmology (MEACO). Bahrein

García-Arumí J. (2016) 1. Global Retinal. "Management of Myopic Macular Hole" 2. "Retinal Artery Occlusion: Surgical Management." World Ophthalmology Congress 2013. Guadalajara (Mexico)

García-Arumí J. (2016) 1. Retinal detachment. "Management of subretinal membranes in PVR" 2. Panel: Macular Edema. 3. Vitreoretina 5: "Management of retinal artery occlusion" 4. Lunch with experts and courses. Advanced Macular surgery symposium "tell it like it is" 5. How do I do it Video panel 5. "Vitreoretinal surgery in tractional diabetic retinopathy. Moderator. 6th Cairo Retina Meeting. Cairo

García-Arumí J. (2015) 1. Main Session: Combo cataract/vitreoretinal surgery and cataract complication management. Chair 2. The Future is Small: Vitrectomy and pharmacology: new and future pharmacological agent for better results 3. Poster Session. Evaluation Panel 4. Main Session: Retinal Detachment. Chair. "A safer way to remove proliferative membranes in retinal detachment: PFCL and staining" 5. PVR-Course. Chair. "How to manage PVR in trauma cases." FLORETINA 2015. Florence

García-Arumí J. (2015) Instructional Courses. "Vitreoretinal Surgical Techniques. AAO ANNUAL MEETING. Las Vegas (Nevada)

García-Arumí J. (2015) 1) Discussion panel Session 5: Anti-VEGF vs PRP in Proliferative Diabetic Retinopathy. 2) Speaker. Dexamethasone implant as first and second line treatment for DME 3) Clinical Presentation of 8 Clinical Cases. 15th ESASO Retina Academy. Barcelona

García-Arumí J. (2015) 1. Instructional Course I: Proliferative Vitreoretinopathy, Surgical Management & Improved Techniques. Course Organiser. "PFCL and trypan blue in the membrane dissection." 2. Chairperson. Free Paper Session 4. Imaging I. 3. Instructional Course 20. Basic Technical Aspects of Minimal Invasive Vitrectomy. "Safety aspects of minimal invasive vitrectomy." 4. ESCRS/Euretina Symposium. Late Complications in Operated Eyes. "Bag/IOL dislocation into the vitreous cavity" 5. Main Session 4. Innovation & Technology. Chairperson. "Innovation in techniques for dealing with proliferative vitreoretinopathy" 6. World Retina Day. Spanish Vitreoretinal Society

Symposium. A rescue Therapy When Conventional Treatment Does Not Work. "Management of recurrent RD/PVR" 7. Panel: World Retina Day. Retinaws Symposium." 15th EURETINA Congress. Nice

García-Arumí J. (2015) Speaker. 1. Instructional Courses: Vitreoretinal Surgical Rounds. What Would Machemer Do? 40 Years of Evolution 2. Retinaws: When the Going Gets Tough, the Tough Get Going, Challenging Cases in Vitreoretinal Surgery. 33rd Annual Meeting American Society of Retina Specialists (ASRS). Vienna

García-Arumí J. (2015) Speaker. Retina: Pathology of the Vitreo-macular interface: An Update. "Myopic Macular Hole" Club Jules Gonin Symposium. Vienna

García-Arumí J. (2015) Speaker. Intraocular vascular surgery. 65th Annual meeting of the Ophthalmologists of Northern Germany in Hamburg. Vienna

García-Arumí J. (2015) 1) Surgeon. Live surgery 9 surgical cases. 2) Moderator. Session V: macular hole & traction. "Non closure/reopening of macular hole." Trends in Surgical and Medical Retina. 3rd Meeting. Instituto de Microcirugía Ocular. Barcelona

García-Arumí J. (2015) 1. "Short term optical coherence tomographic changes of diabetic macular edema after dexametasone intravitreal implant." Posterboard: A0177. Abstract Number: 1744- A0177. Authors: Laura Distefano, Anna Boixadera, Miguel A. Zapata, Hugo Blasco, Daniel Velázquez, Sergio Copete, Mireia Garriga, Jaume Rigo, Rodolfo Bolados, José García-Arumí 2. "Study of funduscopy and tomographic finding in the retina of patients with Alzheimer disease." Posterboard: D0105. Abstract Number: 369- D0105. Authors: Mireia Garriga, Miguel A. Zapata, Laura Distefano, José Garcia-Arumí 3. "Protein-based nanoparticles for non-viral retinal gene therapy." Posterboard: C0145. Abstract Number: 1537- C0145. Authors: Anna Salas, Laura Fontrodona, Neus Ferrer, Ibane Abasolo, Miguel A. Zapata, José Garcia-Arumí. ARVO. Denver (Colorado)

García-Arumí J. (2015) Speaker 1. AMD. Myopic Macular Hole. Intraoperative OCT. Myopic Macular Hole 2. PVR. Anti-PDGF in AMD. DRCR Network. Retinopathy of Prematurity. Subretinal membranes in PVR surgery, PFCL and trypan blue in PVR. 8th Hippocratis Meeting Retina, Macular, Vitreous. Thessaloniki (Greece)

García-Arumí J. (2015) Speaker: Management of retinal detachment secondary to myopic macular holes. 7th St. Christoph Vitrectomy Meeting. Wegen (Switzerland)

García-Arumí, J. (2015). Speaker. Spanish Vitreoretinal Society. World Retinal Day. A Rescue Therapy When the Conventional Treatment Does Not Work. Management of Recurrent RD/PVR

Garcia-Arumí, J. (2015). Speaker. 15th Euretina Congress. Nice. Instructional Courses. Proliferative Vitreoretinopathy, Surgical Management and Improved Techniques.

Garcia-Arumí, J. (2015). Speaker. 15th Euretina Congress. Nice. Main Session 4 – Innovation & Technology. Chairpersons García- Arumí J. Innovation in techniques for dealing with proliferative vitreoretinopathy.

Garcia-Arumí, J. (2015). Speaker. 15th Euretina Congress. Nice. ESCRS/EURETINA Symposium. Late Complication in Operated Eyes. Bag/IOL dislocation into the vitreous cavity.

Garcia-Arumí, J. (2015). Speaker. American Society Retina Specialist. 33rd Annual Meeting. Vienna. Round table. Retinal detachment and PVR

Garcia-Arumí, J. (2015). Speaker. American Society Retina Specialist. 33rd Annual Meeting. Vienna. Retinaws: When the Going Gets Tough, the Tough Get Going, Challenging Cases in Vitreoretinal Surgery, Kourous Rezaei, MD

Garcia-Arumí, J. (2015). Speaker. **European Society of Ophthalmology.** Club Jules Gonin Symposium. Retina: Pathology of the Vitreo-Macular Interface: An Update. “Myopic macular hole.”

Garcia-Arumí, J. (2015). Speaker. 65th Annual Meeting of the Ophthalmologists of Northern Germany in Hamburg . Intraocular vascular surgery

Garcia-Arumí, J. (2015). Surgeon. Trends in Surgical and Medical Retina 3rd Meeting. Live surgery 9 surgical cases.

Garcia-Arumí, J. (2015). Speaker and moderator. Trends in Surgical and Medical Retina 3rd Meeting. Session V: macular hole & traction moderators: Peter Kaiser, MD / Sherif Sheta, MD / José García-Arumí, MD. Non closure/Reopening of macular hole.

Garcia-Arumí, J. (2015). Speaker. 8th Hippocratis Meeting (Thessalonika). Subretinal membranes in PVR surgery

Garcia-Arumí, J. (2015). Speaker. 8th Hippocratis Meeting (Thessalonika). PFCL and trypan blue in PVR

National conferences

García-Arumí J. (2016) Speaker. Current treatment of advanced diabetic retinopathy. Course on diabetic retinopathy. Madrid

García-Arumí J. (2016) 1) Speaker. "Relaxing retinotomy in vitreoretinal proliferation" 2) Moderator. Round table III: Clinical retina cases. 47th Catalan Ophthalmology Society (SCOFT) Conference. Barcelona

García-Arumí J. (2016) 1) Moderator. Subspecialisation day: Retina. "Treatment of macular hole with the inverted flap technique. Indications and results" 2) Chairman SEO Conference 2016. Clinical pearls in traumatic cornea management. How to minimise astigmatism and maximise visual results 3) Collaborator on posterior pole vascular disorders refresher course 4) Director 10th Retina Symposium. "Advances in diagnosis and treatment." 92nd Spanish Ophthalmology Society (SEO) Conference. Malaga

García-Arumí J. (2016) Moderator. Surgical retina panel. 1st SERV and Portuguese Retina and Vitreous Group Joint Meeting. Madrid

García-Arumí J. (2016) 1) Speaker. "Macular hole" 2) Moderator and speaker. Rescue therapies and new treatments/Treatment of persistent macular hole after primary failure: platelet concentrate. Intensive course on the macula 2016. Diagnosis and treatment of macular disorders. Madrid

García-Arumí J. (2016) 1) Moderator. Surgical retina panel 2) Communication. "Subretinal proliferation surgery in PVR." 20th Spanish Retina and Vitreous Society (SERV) Conference. Las Palmas de Gran Canaria

García-Arumí J. (2016) 1. Welcome meeting. 2. "Towards excellence in intravitreal therapy." Retinova. Madrid

García-Arumí J. (2015) 1) Speaker. Refresher course: "Management of patients with macular oedema. From medical treatment to surgery." 2) Symposium: "Diagnosis of the macular hole." 46th Catalan Ophthalmology Society Conference. Barcelona

García-Arumí, J. (2015). Speaker. Spanish Ophthalmology Society (SEO) Conference. Lecture for Bayer Retina

Garcia-Arumí, J. (2015). Speaker. Spanish Ophthalmology Society (SEO) Conference. Lecture for Medical Mix.

Garcia-Arumí, J. (2015). Speaker. Spanish Ophthalmology Society (SEO) Conference. Lecture for Topcon Retina.

Garcia-Arumí, J. (2015). Speaker. Spanish Ophthalmology Society (SEO) Conference. Session: "Subspecialisation day: Retina. Complex cases in vitreoretinal surgery and medical retina"

Garcia-Arumí, J. (2015). Speaker. Spanish Ophthalmology Society (SEO) Conference. Advanced course: "The vitreoretinal surgeon in anterior segment surgery with severe complications."

Garcia-Arumí, J. (2015). Course presentation. Vitreoretinal interface disorders. Vall d'Hebron Hospital - Alcon.

Garcia-Arumí, J. (2015). Speaker. Refresher course on medical and surgical retina. Santiago de Compostela. Video session. "Temporary keratoprosthesis, keratoplasty, retinotomy and PVR dissection after complex trauma staining"

Garcia-Arumí, J. (2015). Speaker. Refresher course on medical and surgical retina. Santiago de Compostela. "Choroidal tumour surgery"

Garcia-Arumí, J. (2015). Speaker. Refresher course on medical and surgical retina. Santiago de Compostela. "Myopic macular hole."

Garcia-Arumí, J. (2015). Coordinator. Refresher course on medical and surgical retina. Santiago de Compostela. Panel 4 "Surgical treatment of vascular disorder of the retina."

Garcia-Arumí, J. (2015). Speaker. Refresher course on medical and surgical retina. Santiago de Compostela. "Retinal vein occlusion surgery. Indications."

Garcia-Arumí, J. (2015). Speaker. Retina refresher session. Josep Trueta University Hospital. Girona. "Sharing surgeries"

Garcia-Arumí, J. (2015). Moderator. Retina refresher session. Josep Trueta University Hospital. Girona. Session II "Complicated macular hole management"

Garcia-Arumí, J. (2015). Moderator. Spanish Retina and Vitreous Society Conference. Madrid. Complex clinical cases.

Garcia-Arumí, J. (2015). Speaker. Spanish Retina and Vitreous Society Conference. Madrid. Diabetic retinopathy. Presentation: "Proliferative diabetic retinopathy surgery."

Garcia-Arumí, J. (2015). Speaker. 4th Vitrectomy Meeting. Elche Conference Centre Surgery video II: Presentation: "Traumatic paediatric surgery"

Garcia-Arumí, J. (2015). Speaker. 4th Vitrectomy Meeting. Elche Conference Centre "Refresher on vitreomacular traction syndrome"

Garcia-Arumí, J. (2015). Moderator. 4th Vitrectomy Meeting. Elche Conference Centre "Panel I: "Retinal detachment surgery: Vitrectomy / band / Something new?"

Research

He has undertaken and/or participated in numerous research projects, 31 of which have been published in international scientific journals. He has worked on three FIS (Health Research Fund) research projects related to corneal transplantation (one as principal researcher).

He is currently involved in several research projects on corneal transplantation and the treatment of ocular surface diseases (cornea, conjunctiva and sclero-corneal limbus).

Principal researcher. 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)

Collaborating researcher. PREMED. PHASE IV PREVENTION OF MACULAR OEDEMA IN CATARACT SURGERY. PREMED. NON-COMMERCIAL RESEARCH. (NL 42463.068.12)

Collaborating researcher. PRGF-ENDORET. Randomised, parallel-group, multicentre, blind to evaluators clinical trial to evaluate the efficacy and safety of PRGF-Endoret eye drops in patients with stage 2 and 3 neurotrophic keratitis. (BTI-011-EC/15/QUER)

Collaborating researcher. BIOTEK-PADCICLO. PHASE II, MULTICENTRE, RANDOMISED, DOUBLE-MASKED, 4 PARALLEL ARMS, CONTROLLED, 6-MONTH TRIAL DESIGNED TO EVALUATE THE SAFETY AND EFFICACY OF PAD CICLOSPORIN (CsA 0.06% AND 0.03%) OPHTHALMIC DISPERSION ADMINISTERED ONCE DAILY IN COMBINATION WITH

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LUBRICANT THERAPY AND A 3-MONTH POST-TREATMENT SAFETY FOLLOW-UP IN
MODERATE TO SEVERE DRY EYE PATIENTS. (MC2-03-C1)