



3.4 Large System Pathologies Area



 Publications: **34**  Impact Factor: **137.663**  QI: **10**

Diagnosis and Treatment of Allergic Diseases Group

Research Activity

Books and book chapters

Domínguez Ortega J. Inhaladores de cartucho presurizado. In: Plaza Moral V, Giner Donaire J. GEMA inhaladores: terapia inhalada, fundamentos, dispositivos y aplicaciones prácticas. Madrid: Luzán 5, 2018. p.27-33

Domínguez Ortega J. Inhaladores para el lactante y el niño. In: Plaza Moral V, Giner Donaire J. GEMA inhaladores: terapia inhalada, fundamentos, dispositivos y aplicaciones prácticas. Madrid: Luzán 5, 2018. p.63-6

Domínguez Ortega J. Módulo 3: situaciones especiales. Niños y adolescentes. In: Plaza Moral V, Giner Donaire J. Programa de educación en asma para enfermería. Madrid: Luzán 5, 2018. p.7-14

Domínguez Ortega J. Módulo 3: situaciones especiales. Alergia. In: Plaza Moral V, Giner Donaire J. Programa de educación en asma para enfermería. Madrid: Luzán 5, 2018. p.1-6

Publications

• Bermejo EM, Caballero T, López-Trascasa M, Peregrín PC, Herrera JG. Acquired angioedema with anti-C1-

inhibitor autoantibodies during assisted reproduction techniques. *J Invest Allerg Clin.* 2018; 28(1): 62-4. Editorial Material. IF: 3.802; Q2

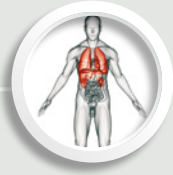
- Bernstein DI, Lummus ZL, Kesavalu B, Yao JB, Kottyan L, Miller D, Cartier A, Cruz MJ, Lemiere C, Munoz X, Quirce S, Tarlo S, Sastre J, Boulet LP, Weirauch MT, Kaufman K. Genetic variants with gene regulatory effects are associated with diisocyanate-induced asthma. *J Allergy Clin Immunol.* 2018; 142(3):959-69. Article. IF: 14.11; D1
- Bobolea I, del Pozo V, Sanz V, Cabañas R, Fiandor A, Alfonso-Carrillo C, Salcedo MA, Revuelto RH, Quirce S. Aspirin desensitization in aspirin-exacerbated respiratory disease: New insights into the molecular mechanisms. *Resp Med.* 2018; 143: 39-41. Article. IF: 3.237; Q2
- Bogoi RN, de Pablo A, Valencia E, Martín-Carbonero L, Moreno V, Vilchez-Rueda HH, Asensi V, Rodríguez R, Toledano V, Rodes B. Expression profiling of chromatin-modifying enzymes and global DNA methylation in CD4+T cells from patients with chronic HIV infection at different HIV control and progression states. *Clin Epigenetics.* 2018; 10:20. Article. IF: 5.496; Q1
- Cabañas R, Calderón O, Ramírez E, Fiandor A, Caballero T, Heredia R, Herranz P, Madero R, Quirce S, Bellón T. Sensitivity and specificity of the lymphocyte transformation test in drug reaction with eosinophilia and systemic symptoms causality assessment. *Clin Exp Allergy.* 2018; 48(3): 325-33. Article. IF: 4.471; Q2
- Canas JA, Sastre B, Rodrigo-Muñoz JM, Fernández-Nieto M, Barranco P, Quirce S, Sastre J, del Pozo V. Eosinophil-derived exosomes contribute to asthma remodelling by activating structural lung cells. *Clin Exp*

Allergy. 2018; 48(9): 1173-85. Article. IF: 4.471; Q2

- Castellanos M, Torres-Pardo A, Rodríguez-Pérez R, Gasset M. Amyloid assembly endows gad M I with biomineralization properties. *Biomolecules*. 2018; 8(1): e13. Article. IF: 4.694; Q1
- Comán I, Barranco P, Quirce S. Occupational asthma caused by high- and low-molecular weight agents in an auto body worker. *Ann Allerg Asthma Im*. 2018; 120(6): 669-70. Letter. IF: 3.56; Q2
- Comán I, Pola-Bibián B, Barranco P, Vila-Nadal G, Domínguez-Ortega J, Romero D, Villasante C, Quirce S. Bronchiectasis in severe asthma clinical features and outcomes. *Ann Allerg Asthma Im*. 2018; 120(4): 409-13. Article. IF: 3.56; Q2
- Corcuera MT, Rodríguez-Bobada C, Zuloaga J, Gómez-Aguado F, Rodríguez-Pérez R, Mendizábal A, González P, Arias-Díaz J, Caballero ML. Exploring tumourigenic potential of the parasite *Anisakis*: a pilot study. *Parasitol Res*. 2018; 117(10): 3127-36. Article. IF: 2.067; Q2
- Dávila I, Domínguez-Ortega J, Navarro-Pulido A, Alonso A, Antolín-Amerigo D, González-Mancebo E, Martín-García C, Núñez-Acevedo B, Prior N, Reche M, Rosado A, Ruiz-Hornillos J, Sánchez MC, Torrecillas M. Consensus document on dog and cat allergy. *Allergy*. 2018; 73(6): 1206-22. Review. IF: 6.771; Q1
- Entrala A, Domínguez-Ortega J, González-Muñoz M, Fiandor A, Quirce S. Usefulness of the basophil activation test to confirm beer allergy. *J Invest Allerg Clin*. 2018; 28(4): 279-80. Editorial Material. IF: 3.802; Q2
- Esteban-Gorgojo I, Antolín-Amerigo D, Domínguez-Ortega J, Quirce S. Non-eosinophilic asthma: current perspectives. *J Asthma Allergy*. 2018; 11: 267-81. Review. IF: 4.694; Q1
- Grabenhenrich LB, Reich A, McBride D, Sprickelman A, Roberts G, Grimshaw KEC, Fiocchi AG, Saxoni-Papageorgiou P, Papadopoulos NG, Fiandor A, Quirce S, Kowalski ML, Sigurdardottir ST, Dubakiene R, Hourihane JOB, Rosenfeld L, Niggemann B, Keil T, Beyer K. Physician's appraisal vs documented signs and symptoms in the interpretation of food challenge tests: The EuroPrevall birth cohort. *Pediatr Allerg Immun-Uk*. 2018; 29(1): 58-65. Article. IF: 4.654; D1
- Ibáñez MD, del Río PR, Lasa EM, Joral A, Ruiz-Hornillos J, Muñoz C, Traseira CG, Escudero C, Rivera JMO, Garriga-Baraut T, González-de-Olano D, Rosado A, Sánchez-García S, Bustamante SP, Vilchez MAP, Montano PP, Morillo RC, Iglesia EM, Vila AF, Valbuena T, López-Patino A, Martorell A, Sastre J, Audicana MT. Prospective assessment of diagnostic tests for pediatric penicillin allergy From clinical history to challenge tests. *Ann Allerg Asthma Im*. 2018; 121(2): 235-44. Article. IF: 3.56; Q2
- Llluncor M, Pedrosa M, Cancelliere N, Rivero-Paparoni D, Burgos A, Fiandor A, Pagola MJ, Quirce S, Caballero T. Molecular sensitization profile according to proton pump inhibitor response in patients with esophageal eosinophilia. *J Invest Allerg Clin*. 2018; 28(5): 354-8. Article. IF: 3.802; Q2
- Lumry WR, Craig T, Zuraw B, Longhurst H, Baker J, Li HH, Bernstein JA, Anderson J, Riedl MA, Manning ME, Keith PK, Levy DS, Caballero T, Banerji A, Gower RG, Farkas H, Lawo JR, Pragst I, Machnig T, Watson DJ. Health-related quality of life with subcutaneous CI-inhibitor for prevention of attacks of hereditary angioedema. *J Allergy Clin Immunol Pract*. 2018; 6(5): 1733-41. Article. IF: 7.55; D1
- Marqués-Mejías MA, Barranco P, Laorden D, Romero D, Quirce S. Worsening of severe

asthma due to menstruation and sensitization to albumins. *J Invest Allerg Clin*. 2018; 28(5): 330-2. Article. IF: 3.802; Q2

- Monge-Ortega OP, Cabañas R, Fiandor A, Domínguez-Ortega J, González-Muñoz M, Quirce S, Lluch-Bernal M, Bellón T. Overlap between DRESS syndrome and exanthema induced by sulfadiazine in a patient treated with sulfamethoxazole: Utility of the lymphocyte transformation test for identification of the culprit drug. *J Invest Allerg Clin*. 2018; 28(2): 132-4. Editorial Material. IF: 3.802; Q2
- Muñoz X, Álvarez-Puebla MJ, Arismendi E, Arochena L, Ausin MD, Barranco P, Bobolea I, Canas JA, Cardaba B, Crespo A, del Pozo V, Domínguez-Ortega J, Fernández-Nieto MD, Giner J, González-Barcala FJ, Luna JA, Mullol J, Ojanguren I, Olaguibel JM, Picado C, Plaza V, Quirce S, Ramos D, Rial M, Romero-Mesones C, Salgado FJ, San-José ME, Sánchez-Díez S, Sastre B, Sastre J, Soto L, Torrejón M, Urnadoz M, Valdés L, Valero A, Cruz MJ. The MEGA Project: A study of the mechanisms involved in the genesis and disease course of asthma. Asthma cohort creation and long-term follow-up. *Arch Bronconeumol*. 2018; 54(7): 378-85. Article. IF: 4.214; Q1
- Pascal M, Pérez-Gordo M, Caballero T, Escibese MM, Longo MNL, Luengo O, Manso L, Mathieu V, Seoane E, Zamorano M, Labrador M, Mayorga C. Microbiome and allergic diseases. *Front Immunol*. 2018; 9: 1584. Review. IF: 4.716; Q2
- Plaza V, Cosío BG, Entrenas LM, Olaguibel JM, de Llano LP, Quirce S. The role of FENO in the diagnosis and control of asthma. Expert multidisciplinary group debate during the asthma meeting point 2017. *Arch Bronconeumol*. 2018; 54(4): 237-8. Letter. IF: 4.214; Q1
- Pola-Bibián B, Domínguez-Ortega J, Vila-Nada G, Entrala A, González-Cavero L, Barranco P, Cancelliere N, Díaz-Almirón M, Quirce S. Predictors of asthma relapse in patients who attended an emergency department. *Allergy Asthma Proc*. 2018; 39(4): 292-8. Article. IF: 2.124; Q3
- Quirce S, Antolín-Amérigo D, Domínguez-Ortega J. 'Hidden' occupational allergens such as additives. *Curr Opin Allergy Cl*. 2018; 18(2): 67-72. Review. IF: 3.014; Q3
- Quirce S, Vandenplas O, Campo P, Cruz MJ, de Blay F, Koschel D, Moscató G, Pala G, Raulf M, Sastre J, Siracusa A, Tarlo SM, Walusiak-Skorupa J, Cormier Y. Occupational hypersensitivity pneumonitis: an EAACI position paper. *Allergologie*. 2018; 41(10): 449-69. Article. IF: 0.15; Q4
- Raulf M, Quirce S, Vandenplas O. Addressing molecular diagnosis of occupational allergies. *Curr Allergy Asthm R*. 2018; 18(1): 6. Review. IF: 3.982; Q2
- Ruethers T, Raith M, Sharp MF, Koeberl M, Stephen JN, Nugraha R, Le TTK, Quirce S, Nguyen HXM, Kamath SD, Mehr SS, Campbell DE, Bridges CR, Taki AC, Swoboda I, Lopata AL. Characterization of Rask1 a novel major allergen in Indian mackerel and identification of parvalbumin as the major fish allergen in 33 Asia-Pacific fish species. *Clin Exp Allergy*. 2018; 48(4): 452-63. Article. IF: 4.471; Q2
- Ruiz-Baques A, Contreras-Porta J, Marqués-Mejías M, Rebollo JMC, Torres FC, Pla MNA, Santisteban AZ, Chivato T. Evaluation of an online educational program for parents and caregivers of children with food allergies. *J Invest Allerg Clin*. 2018; 28(1): 37-41. Article. IF: 3.802; Q2
- Salmerón PP, Romero JD, Ortega JD, Horrillo ML, Gutiérrez FJA, Moragón EM, Moral VP, Rodríguez CA, Franco JM. Management of asthma in the emergency department: a consensus statement. *Emergencias*. 2018; 30(4): 268-78. Article. IF: 3.35; Q1



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- Sánchez-Jareño M, Cabañas R, Caballero T. Management of pregnancy in hereditary angioedema. *Allergy, Asthma, Immunology*. 2018; 23(4): 186-92. Article. Not Indexed
- Tomás-Pérez M, Entrala A, Bartolomé B, Caballero ML, Quirce S. Dermatitis caused by ingestion of Chia Seeds. *J Invest Allerg Clin*. 2018; 28(1): 46-7. Editorial Material. IF: 3.802; Q2
- Tomás-Pérez M, González-Cavero L, Domínguez-Ortega J. Study on immunotherapy safety: clinical practice in allergy outpatient care. *Rev Alerg Mex*. 2018; 65(4): 357-61. Article. Not Indexed
- Zanichelli A, Azin GM, Cristina F, Vacchini R, Caballero T. Safety, effectiveness, and impact on quality of life of self-administration with plasma-derived nanofiltered C1 inhibitor (Berinert (R)) in patients with hereditary angioedema: the SABHA study. *Orphanet J Rare Dis*. 2018; 13: 51. Article. IF: 3.687; Q2
- Zanichelli A, Magerl M, Longhurst HJ, Aberer W, Caballero T, Bouillet L, Bygum A, Grumach AS, Botha J, Andresen I, Maurer M. Improvement in diagnostic delays over time in patients with hereditary angioedema: findings from the Icatibant Outcome Survey. *Clin Transl Allergy*. 2018; 8: 42. Letter. IF: 4.232; Q2

Public projects

Caballero Molina MT. Nuevos biomarcadores en enfermedades mediadas por el sistema del complemento (PII5/00255). ISCIII. 2016-2019.

Management centre: FIBHULP

Quirce Gancedo S. Towards precision medicine in the study of risk factors and triggers of asthma (PREMEDAS). CIBERES. 2017-2019.

Management centre: Hospital Valle Hebrón

Rodríguez Pérez MR. Contrato Miguel Servet II (CPII13/00022). ISCIII/CAM. 2014-2025.

Management centre: FIBHULP

Private projects

Caballero Molina MT. Curso teórico-práctico de formación en investigación en angioedema. Shire Pharmaceuticals Ibérica S.L. 2017-Ongoing.

Management centre: FIBHULP

Caballero Molina MT. Development and trans-cultural validation of an international specific questionnaire (IHAE-QOL) for assessment of health related quality of life in adult patients with hereditary angioedema due to c1 inhibitor deficiency (HAE) and quality of life study (DTV-IHAE-QOL). *Hereditary Angio-Edema In*. 2009-Ongoing.

Management centre: FIBHULP

Domínguez Ortega FJ. Asesoramiento para el diseño del estudio clínico "ensayo clínico prospectivo multicéntrico aleatorizado de doble simulación controlado con placebo de búsqueda de la dosis más eficaz para el tratamiento de rinitis/rinoconjuntivitis por alergia frente al polen gramíneas. *Inmunotek*. 2015-Ongoing.

Management centre: FIBHULP

Domínguez Ortega FJ. Conocimientos básicos en patología alérgica para un médico residente e investigadores de Hospital Universitario La Paz. Glaxosmithkline S.A. 2017-Ongoing.

Management centre: FIBHULP

Quirce Gancedo SE. II Jornadas científicas sobre conocimientos básicos en patología alérgica para un médico residente e investigadores del Hospital Universitario La Paz. Glaxosmithkline S.A. 2018-Ongoing.

Management centre: FIBHULP

Quirce Gancedo SE. New findings in asthma, allergy and atopic dermatitis. Omnix Pharma S.L. 2018-Ongoing.

Management centre: FIBHULP

Quirce Gancedo SE. Relación entre asma y obesidad en la población española mayor o igual a 18 años. Novartis Farmaceutica S.A. 2009-Ongoing.

Management centre: FIBHULP

Quirce Gancedo SE. Sesiones en investigación del diagnóstico molecular como herramienta de identificación de perfiles de respuesta en pacientes con enfermedad respiratoria alérgica y alergia a alimentos. Thermo Fisher Diagnostics SLU. 2017-Ongoing.

Management centre: FIBHULP

Rodríguez Pérez MR. Evaluación de la capacidad alérgica de productos alimentarios mediante test de activación de basófilos y sensibilización cutánea con alimentos. Angulas Aguinaga S.A.U. 2018-Ongoing.

Management centre: FIBHULP

International projects

Quirce Gancedo S. E-PHOCAS (PHenotyping of OCCupational ASthma). EAACI (European Academy of Allergy and Clinical Immunology). 2016-2020.

Management centre: University Hospital of Strasbourg

Clinical trials

Caballero Molina MT. BCX7353-302: un estudio fase 3, aleatorizado, doble ciego, controlado con placebo, de grupos paralelos para evaluar la eficacia y seguridad de dos dosis diferentes de BCX7353 como tratamiento oral para la prevención de ataques en pacientes con angioedema. Type: Clinical Trial, phase III.

HULP code: 4984. Sponsored's protocol code: BCX7353-302.

Sponsored by: Biocryst Pharmaceuticals Inc. Signed date: 16/05/2018

Caballero Molina MT. BCX7353-204: estudio abierto para evaluar la seguridad a largo plazo de BCX7353 oral diario en pacientes con angioedema hereditario tiposo y II. Type: Clinical Trial, phase II.

HULP code: 4993. Sponsored's protocol code: BCX7353-204.

Sponsored by: Biocryst Pharmaceuticals Inc. Signed date: 05/02/2018

Barranco Sanz MPE. Estudio observacional prospectivo para evaluar la carga médica y su asociación al uso de corticosteroides orales en pacientes con asma grave en España. Estudio Levante. Type: EPA-SP.

HULP code: PI-3046. Sponsored's protocol code: PI-3046 EPA-SP AST-COR-2017-02 Y D3250R00031.

Sponsored by: Astrazeneca Farmaceutica Spain S.A. Signed date: 08/02/2018

Caballero Molina MT. Registro de pacientes de Firazyr-IOS (Icatibant Outcome Survey). Type: EPA-LA.

HULP code: Anexo-III 3080. Sponsored's protocol code: IOS.

Sponsored by: Shire Pharmaceuticals Iberica S.L. Signed date: 20/09/2018

Quirce Gancedo SE. Registro de pacientes con asma grave no controlada (Gema-Data). Type: EPA-SP.

HULP code: PI-3232. Sponsored's protocol code: VPM-SAL-2017-01.

Sponsored by: Fundación Española del Pulmón. SEPAR. Signed date: 18/05/2018

Gómez Traseira C. Efecto de la intervención 'Escalera de la leche' en el desarrollo de tolerancia y en el reconocimiento de epítomos de células B en niños alérgicos a proteínas de leche de vaca. Type: Producto Alimentario.

HULP code: PI-3274. Sponsored's protocol code: PI-3274.

Sponsored by: Fundación para la Investigación Biomédica del Hospital Clínico San Carlos. Signed date: 21/06/2018

Domínguez Ortega FJ. Estudio piloto sobre el control del asma en pacientes con rinitis alérgica a polen de gramíneas tratados con inmunoterapia sublingual de 5 gramíneas (Staloral®) vs placebo. 5 graps. Type: Clinical Trial, phase III.

HULP code: Anexo-I 4284. Sponsored's protocol code: DOM-STA-2014-01.

Sponsored by: Stallergenes Iberica S.A. Signed date: 10/01/2018

Patents and trademarks

Valenta R, Constantin C, Quirce Gancedo, SE, inventors; Phadia AB, assignee. Novel wheat allergens. PCT/SE2008/051377, EP2225266, US2010305049, AU2008330230, CA2707190, CN101932597, JP2011505134, RU2010126590; 2007 November 30.

Caballero Molina MT, Prior Gómez N, Remor Bitencourt EA, authors, FIBHULP, assignee. Brand name: HAE-QoL HEREDITARY ANGIOEDEMA QUALITY OF LIFE. CM 13.083.068; 2014 July 15.

HAE-QoL
HEREDITARY ANGIOEDEMA QUALITY OF LIFE

Sánchez Herreros R, Martínez Fernández J, Castro Morera A, Gasset Vega M, Rodríguez Pérez RM, Pedrosa Delgado M, Quirce Gancedo S, inventors; FIBHULP, CSIC, assignees. Food allergen extracts and methods of producing and using the same. EPI6382413.9 (Publication Number pending); 2016 September 06.

del Pozo Abejón V, Sastre Dominguez J, Rodrigo-Muñoz JM, Sastre Turrión B, Quirce Gancedo S, Cañas Mañas JA, inventors; FIISFJD, Centro de Investigación Biomédica en Red (CIBER), FIBHULP, Fundación Conchita Rábago de Jiménez Díaz, assignees. In vitro method for identifying severity levels in bronchial asthma patients. P201730739; 2017 May 29.

