

Osteoarticular Surgery Research-GICOA Group



Publications: **29** Impact Factor: **66.811** QI: **7**

Research Activity

DOCTORAL THESES

Laiglesia Lorenzo MA. Generación de células mesenquimales de placenta para uso clínico[dissertation]. Madrid: UAM: 2017(11/09/2017).

Directors: Gómez Barrera E; Gonzalo RM.

Jiménez Díez V. Estudio anatómico de la región lateral del codo. Descripción de las estructuras implicadas en la epicondilitis lateral[dissertation]. Madrid: UCM: 2017(01/06/2017).

Directors: Sañudo Tejero JR, Cecilia López D, Barco Laakso, R.

BOOKS AND BOOK CHAPTERS

Rodríguez-Merchan EC, Liddle AD (eds.). Joint Preservation in the Adult Knee. Bern, Switzerland: Springer International Publishing, 2017. p.1-180

PUBLICATIONS

- Álvarez-Román MT, Fernández-Bello I, de la Corte-Rodríguez H, Hernández-Moreno AL, Martín-Salces M, Butta-Coll N, Rivas-Pollmar MI, Rivas-Muñoz S, Jiménez-Yuste V. Experience of tailoring prophylaxis using factor VIII pharmacokinetic parameters estimated with myPKFit (R) in patients with severe haemophilia A without inhibitors. *Haemophilia*. 2017; 23(1): E50-4. Letter. IF: 2.768; Q2
- Barco R, Antuna SA. Medial elbow pain. *Efort Open Rev*. 2017; 2(8): 362-71. Review. Not Indexed

- Barco R, Streubel PN, Morrey BF, Sánchez-Sotelo J. Total elbow arthroplasty for distal humeral fractures A ten-year-minimum follow-up Study. *J Bone Joint Surg Am*. 2017; 99(18): 1524-31. Article. IF: 4.583; D1
- Carbonell-Escobar R, Rubio-Suárez JC, Ibarzabal-Gil A, Rodríguez-Merchán EC. Analysis of the variables affecting outcome in fractures of the tibial pilon treated by open reduction and internal fixation. *J Clin Orthop Trauma*. 2017; 8(4): 332-8. Article. Not Indexed
- Cruz-Pardos A, García-Rey E, García-Cimbrello E. Total hip arthroplasty with use of the cementless zweymuller alloclassic system a concise follow-up, at a minimum of 25 years, of a previous report. *J Bone Joint Surg Am*. 2017; 99(22): 1927-31. Article. IF: 4.583; D1
- de la Corte-Rodríguez H, Rodríguez-Merchán EC. The health assessment questionnaire disability index (HAQ-DI) as a valid alternative for measuring the functional capacity of people with haemophilia. *Thromb Res*. 2017; 153: 51-6. Article. IF: 2.779; Q2
- García-Rey E, Cruz-Pardos A, García-Cimbrello E. The evolution of an uncemented acetabular component in alumina-on-alumina total hip arthroplasty has improved clinical outcome: A prospective, comparative five to 15 year follow-up study. *Bone Joint J*. 2017; 99B(6): 749-58. Article. IF: 3.581; D1
- García-Rey E. Screws are not needed when secure interference fit of uncemented acetabular components is adequate: a 5-to 15-year follow-up with clinical and radiological analysis. *Hip Int*. 2017; 27(3): 267-72. Article. IF: 1.276; Q3
- Gómez-Barrera E. CORR Insights(A (R)): Periprosthetic occult fractures of the acetabulum occur frequently during primary THA. *Clin Orthop Relat R*. 2017; 475(2): 495-7. Editorial Material. IF: 4.091; D1
- Granchi D, Gómez-Barrera E, Rojewski M, Rosset P, Layrolle P, Spazzoli B, Donati DM, Ciapetti G. Changes of bone turnover

markers in long bone nonunions treated with a regenerative approach. *Stem Cells Int.* 2017; 3674045. Article. IF: 3.989; Q2

- Iorio A, Iserman E, Blanchette V, Dolan G, Ettingshausen CE, Hermans C, Negrier C, Oldenburg J, Reininger A, Rodríguez-Merchán C, Spannagl M, Valentino LA, Young G, Steinitz-Trost KN, Gringeri A. Target plasma factor levels for personalized treatment in haemophilia: A Delphi consensus statement. *Haemophilia.* 2017; 23(3): E170-9. Article. IF: 2.768; Q2
- Keller L, Schwinte P, Gómez-Barrena E, Arruebo M, Benkirane-Jessel N. Smart implants as a novel strategy to regenerate well-founded cartilage. *Trends Biotechnol.* 2017; 35(1): 8-11. Editorial Material. IF: 13.578; D1
- Liddle AD, Rodríguez-Merchán EC. Evidence-based management of the knee in hemophilia. *JBJS Rev.* 2017; 5(8): e12. Review. Not Indexed
- Martínez-Pérez M, Pérez-Jorge C, Lozano D, Portal-Núñez S, Pérez-Tanoira R, Conde A, Arenas MA, Hernández-López JM, de Damborenea JJ, Gómez-Barrena E, Esbrit P, Esteban J. Evaluation of bacterial adherence of clinical isolates of *Staphylococcus* sp. using a competitive model. *Bone Joint Res.* 2017; 6(5): 315-22. Article. IF: 2.362; Q2
- Martín-Saavedra F, Crespo L, Escudero-Duch C, Saldaña L, Gómez-Barrena E, Vilaboa N. Substrate microarchitecture shapes the paracrine crosstalk of stem cells with endothelial cells and osteoblasts. *SCI Rep-Uk.* 2017; 7: 15182. Article. IF: 4.122; Q1
- Rodríguez-Merchán E. Knee Bracing after anterior cruciate ligament reconstruction reply. *Orthopedics.* 2017; 40(2): 70. Letter. IF: 1.463; Q3
- Rodríguez-Merchán EC, de la Corte-Rodríguez H. Acute hemophilic hemarthrosis: is local cryotherapy recommended? *Expert Rev Hematol.* 2017; 10(12): 1029-32. Review. IF: 1.937; Q3
- Rodríguez-Merchán EC, de la Corte-Rodríguez H. Side effects and potential risk factors of botulinum toxin type A intramuscular injections in knee flexion contractures of hemophiliacs. *Expert Rev Hematol.* 2017; 10(7): 587-94. Review. IF: 1.937; Q3
- Rodríguez-Merchán EC, Liddle AD. Pathogenesis and treatment options for hemophilic synovitis. *Expert Opin Orphan Drugs.* 2017; 5(2): 173-9. Review. IF: 0.684; Q4
- Rodríguez-Merchán EC. Fibrin glue for local haemostasis in haemophilia surgery. *Hosp Pract (1995).* 2017; 45(5): 187-91. Review. Not Indexed
- Rodríguez-Merchán EC. Intra-articular corticosteroid injections in haemophilic arthropathy: are they recommended? *Hosp Pract (1995).* 2017; 43191. Article. Not Indexed
- Rodríguez-Merchán EC. Joint distraction in advanced osteoarthritis of the ankle. *Arch Bone Jt Surg.* 2017; 5(4): 208-12. Review. Not Indexed
- Rodríguez-Merchán EC. Management of hemophilic arthropathy of the ankle. *Cardiovasc Hematol Disord Drug Targets.* 2017; 17(2): 111-8. Article. Not Indexed
- Rodríguez-Merchán EC. Platelet-rich plasma intra-articular injections for haemophilic synovitis: Scientific knowledge does not support its use. *Haemophilia.* 2017; 23(5): e486-7. Letter. IF: 2.768; Q2
- Rodríguez-Merchán EC. Should arterial embolization in recurrent spontaneous hemophilic hemarthroses refractory to intensive prophylaxis be the first invasive resort? *Cardiovasc Hematol Disord Drug Targets.* 2017; 17(1): 33-7. Article. Not Indexed
- Rodríguez-Merchán EC. Simultaneous bilateral total knee arthroplasty in hemophilia: is it recommended? *Expert Rev Hematol.* 2017; 10(10): 847-51. Review. IF: 1.937; Q3
- Román-Belmonte JM, de la Corte-Rodríguez H, Rodríguez-Merchán EC. Comparative analysis of two methods of data entry into electronic medical records: A randomized clinical trial (research letter). *J Eval Clin Pract.* 2017; 23(6): 1478-81. Letter. IF: 1.483; Q3
- Saldaña L, Valles G, Bensiamar F, Mancebo FJ, García-Rey E, Vilaboa N. Paracrine interactions between mesenchymal stem cells and macrophages are regulated by 1,25-dihydroxyvitamin D3. *SCI Rep-Uk.* 2017; 7: 14618. Article. IF: 4.122; Q1
- Vaquero-Picado A, Rodríguez-Merchán EC. Isolated posterior cruciate

ligament tears: an update of management. *Efort Open Rev.* 2017; 2(4): 89-96. Review. Not Indexed

PRIVATE PROJECTS

Antuña Antuña S. Convenio para un proyecto de investigación. Sociedad Española de Cirugía Ortopédica y Traumatología. 2008-Ongoing.

Management centre: FIBHULP

Antuña Antuña S. Terapia celular con células troncales del tejido adiposo en roturas del manguito rotador. *laces Meetings.* 2015-Ongoing.

Management centre: FIBHULP

Barco Laakso R. Terapia celular con células troncales derivadas del tejido adiposo (ASC) para mejorar el proceso de reparación en suturas tendinosas. Unión tendón-hueso (roturas del manguito rotador); unión tendón-músculo (roturas del tendón de aquiles). Sociedad Española de Cirugía Ortopédica y Traumatología. 2009-Ongoing.

Management centre: FIBHULP

Gómez Barrena E. Actualización y renovación de la actividad en el servicio de C.O.T. "a" del Hospital Universitario La Paz. Servicios Hospitalarios S.L. 2012-Ongoing.

Management centre: FIBHULP

INTERNATIONAL PROJECTS

Gómez Barrena E. ORTHOpedic randomized clinical trial with expanded bone marrow MSC and bioceramics versus autograft in long bone nonUNIONS (ORTHOUNION). UE. 2017-2021.

Management centre: FIBHULP

CLINICAL TRIALS

Gómez Barrena E. Estudio aleatorizado, doble ciego, doble simulación, multicéntrico, de diseño adaptativo de escalada de dosis (parte I) y dosis-respuesta (parte 2) para evaluar la seguridad y la eficacia de JNJ-64179375 intravenoso frente a apixaban oral en sujetos sometidos a un reemplazo total de rodilla. Type: Clinical Trial, phase II.

HULP code: 4890. Sponsored's protocol code: 64179375THR2001.

Sponsored by: Janssen Cilag International NV.

Signed date: 18/10/2017

Gómez Barrena E. A multi-centre, open-label, randomized, comparative clinical trial of two different doses of bone marrow autologous human mesenchymal stem cells plus bio-material versus iliac crest autologous graft, for bone healing in non-union after long bone fractures. Type: Clinical Trial, phase III.

HULP code: 4773. Sponsored's protocol code: ORTHOUNION.

Sponsored by: Universidad Autónoma de Madrid.

Signed date: 12/05/2017

PATENTS AND TRADEMARKS

Arenas Vara MA, Conde del Campo A, De Damborenea González JJ, Matykina E, Esteban Moreno J, Gómez Barrena E, Pérez-Jorge Peremarch C, Pérez Tanoira R, inventors; CSIC, Instituto de Investigación Sanitaria Fundación Jiménez Díaz, assignees. Titanium materials anodised with fluorine. P201030720, PCT/ES2011/070342; 2010 May 14.