



3.6 Surgery, Transplant and Health Technologies Area



Publications: **28** Impact Factor: **40.4** QI: **3**

Osteoarticular Surgery Research–GICOA Group

Research Activity

Publications

- Cordero-Ampuero J, García-Rey E, García-Cimbrello E. Proximal femoral bone regeneration after an un cemented hydroxyapatite-coated long-stem in revision Hip Surgery. *Open Orthop J*. 2018; 12: 125-33. Article. Not Indexed
- Dale TM, Saucedo JM, Rodríguez-Merchán EC. Total elbow arthroplasty in haemophilia. *Haemophilia*. 2018; 24(4): 548-56. Review. IF: 3.59; Q2
- de la Corte-Rodríguez H, Rodríguez-Merchán EC, Álvarez-Román MT, Martín-Salces M, Martinoli C, Jiménez-Yuste V. The value of HEAD-US system in detecting subclinical abnormalities in joints of patients with hemophilia. *Expert Rev Hematol*. 2018; 11(3): 253-61. Review. IF: 2.505; Q3
- de la Corte-Rodríguez H, Rodríguez-Merchán EC, Jiménez-Yuste V. Point-of-care ultrasonography in orthopedic management of hemophilia: Multiple uses of an effective too. *HSS J*. 2018; 14(3): 307-13. Review. Not Indexed
- Encinas-Ullán CA, Rodríguez-Merchán EC. Isolated medial collateral ligament tears: an update on management. *Efort Open Rev*. 2018; 3(7): 398-407. Article. Not Indexed

- Escobar MA, Brewer A, Caviglia H, Forsyth A, Jiménez-Yuste V, Laudénbach L, Lobet S, McLaughlin P, Oyesiku JOO, Rodríguez-Merchán EC, Shapiro A, Solimeno LP. Recommendations on multidisciplinary management of elective surgery in people with haemophilia. *Haemophilia*. 2018; 24(5): 693-702. Review. IF: 3.59; Q2
- Gómez-Barrena E, Padilla-Eguiluz NG, Avendano-Sola C, Payares-Herrera C, Velasco-Iglesias A, Torres F, Rosset P, Gebhard F, Baldini N, Rubio-Suárez JC, García-Rey E, Cordero-Ampuero J, Vaquero-Martín J, Chana F, Marco F, García-Coiradas J, Caba-Dessoux P, de la Cuadra P, Hernigou P, Flouzat-Lachaniette CH, Gouin F, Mainard D, Laffosse JM, Kalbitz M, Marzi I, Sudkamp N, Stockle U, Ciapetti G, Donati DM, Zagra L, Pazzaglia U, Zarattini G, Capanna R, Catani F.A Multicentric, open-label, randomized, comparative clinical trial of two different doses of expanded hBM-MSCs plus biomaterial versus iliac crest autograft, for bone healing in nonunions after long bone fractures: Study protocol. *Stem Cells Int*. 2018: 6025918. Article. IF: 3.902; Q2
- López-Franco M, Gómez-Barrena E. Cellular and molecular meniscal changes in the degenerative knee: a review. *J Exp Orthop*. 2018; 5(1): 11. Review. Not Indexed
- Rodríguez-Merchán EC, García-Ramos JA, Padilla-Eguiluz NG, Gómez-Barrena E. Arthroscopic partial meniscectomy for painful degenerative meniscal tears in the presence of knee osteoarthritis in patients older than 50 years of age: Predictors of an early (1 to 5 years) total knee replacement. *Arch Bone Jt Surg*. 2018; 6(3): 203-11. Article. Not Indexed

- Rodríguez-Merchán EC, Gómez-Cardero P. Unicompartmental knee arthroplasty: current indications, technical issues and results. *Efort Open Rev.* 2018; 3(6): 363-73. Article. Not Indexed
- Rodríguez-Merchán EC, Valentino LA. Joint lavage followed by intra-articular injection of hyaluronic acid and/or corticosteroids in patients with severe hemophilic arthropathy of the knee: Is this intervention really effective? *Expert Rev Hematol.* 2018; 11(6): 449-54. Review. IF: 2.505; Q3
- Rodríguez-Merchán EC. Does a previous high tibial osteotomy (HTO) influence the long-term function or survival of a total knee arthroplasty (TKA)? *Arch Bone Jt Surg.* 2018; 6(1): 19-22. Review. Not Indexed
- Rodríguez-Merchán EC. Hemophilic arthropathy: current treatment challenges and future prospects. *Expert Opin Orphan Drugs.* 2018; 6(8): 477-83. Article. IF: 0.763; Q4
- Rodríguez-Merchán EC. Intra-articular corticosteroid injections in haemophilic arthropathy: are they recommended? *Hosp Pract (1995).* 2018; 46(1): 43556. Review. Not Indexed
- Rodríguez-Merchán EC. Preoperative Aspiration Culture (PAC) for the diagnosis of infection in a prosthetic knee joint. *Arch Bone Jt Surg.* 2018; 6(5): 342-5. Review. Not Indexed
- Rodríguez-Merchán EC. Response to: missing angiogenic factors in hemophilic arthropathy. *Expert Rev Hematol.* 2018; 11(1): 3. Letter. IF: 2.505; Q3
- Rodríguez-Merchán EC. Single local infiltration analgesia (LIA) AIDS early pain management after total knee replacement (TKR): An evidence-based review and commentary. *HSS J.* 2018; 14(1): 47-9. Review. Not Indexed
- Rodríguez-Merchán EC. The importance of smoking in orthopedic surgery. *Hosp Pract (1995).* 2018; 46(4): 175-82. Review. Not Indexed
- Rodríguez-Merchán EC. Topical therapies for knee osteoarthritis. *Postgrad Med.* 2018; 130(7): 607-12. Review. IF: 2.237; Q2
- Rodríguez-Merchán EC. Treatment of chronic articular pain in adult people with hemophilia. *Cardiovasc Hematol Disord Drug Targets.* 2018; 18(3): 182-6. Review. Not Indexed
- Rodríguez-Merchán EC. Treatment of musculo-skeletal pain in haemophilia. *Blood Rev.* 2018; 32(2): 116-21. Review. IF: 6.125; Q1
- Rodríguez-Merchán EC. What's new in gene therapy of hemophilia. *Curr Gene Ther.* 2018; 18(2): 107-14. Review. IF: 2.218; Q3
- Rodríguez-Merchán EC. What's new in orthopedic surgery for people with hemophilia. *Arch Bone Jt Surg.* 2018 ;6(3): 157-60. Editorial Material. Not Indexed
- Román-Belmonte JM, de la Corte-Rodríguez H, Rodríguez-Merchán EC. How blockchain technology can change medicine. *Postgrad Med.* 2018; 130(4): 420-7. Review. IF: 2.237; Q2
 - Rubio-Suárez JC, Carbonell-Escobar R, Rodríguez-Merchán EC, Ibarzábal-Gil A, Gil-Garay E. Fractures of the tibial pylon treated by open reduction and internal fixation (locking compression plate-less invasive stabilising system): Complications and sequelae. *Injury.* 2018; 49:S60-4. Article. IF: 1.834; Q2
 - Vaquero-Picador A, de Armas JN, Antuña S, Barco R. Morphometry of the radiocapitellar joint: is humeral condyle diameter a reliable predictor of the size of the radial head prosthesis? *J Shoulder Elb Surg.* 2018; 27(6): 1092-6. Article. IF: 2.865; Q1

- Vaquero-Picador A, Rodríguez-Merchán EC. Arthroscopic repair of the meniscus: surgical management and clinical outcomes. *Efort Open Rev.* 2018; 3(11): 584-94. Article. Not Indexed
- White CJ, Palmer AJR, Rodríguez-Merchán EC. External fixation vs intramedullary nailing for knee arthrodesis after failed infected total knee arthroplasty: A systematic review and meta-analysis. *J Arthroplasty.* 2018; 33(4): 1288-95. Review. IF: 3.524; Q1

Public projects

Gómez Barrena E. ORTHO-3: Uso de células mesenquimales de donante expandidas para la regeneración ósea en osteonecrosis de cabeza femoral desarrollada tras trasplante de médula ósea (PI17/01844). ISCIII. 2018-2020.

Management centre: FIBHULP

Private projects

Barco Laakso R. Morfología radiocapitelar - un estudio anatómico. Acumed Llc. 2018-Ongoing.

Management centre: FIBHULP

Barco Laakso R. Artoplastia de cabeza radial anatómica versus espaciador de metal de vástago liso para traumatismo de codo. Medical Simulator S.L. 2018-Ongoing.

Management centre: FIBHULP

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

Antuña Antuña S. Terapia celular con células troncales del tejido adiposo en roturas del manguito rotador. Medcomtech S.A. 2015-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



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Clinical trials

Gómez Barrena E. Estudio prospectivo, multicéntrico para evaluar la eficacia y la seguridad de una inyección única de Hialuronato Sódico en pacientes con artrosis de rodilla. Type: Estudios, phase Producto Sanitario.

HULP code: 5175. Sponsored's protocol code: TM-SH2%/301.

Sponsored by: Tedec-Meiji Farma, S.A. Signed date: 24/09/2018

Gómez Barrena E. Evaluation of safety, feasibility and preliminary efficacy of MSCS from third party donors in the treatment of patients with osteonecrosis of the femoral head after allogeneic stem cell transplantation. Type: Clinical Trial, phase II.

HULP code: 5016. Sponsored's protocol code: ALOFEM.

Sponsored by: Fundación Para La Investigación Biomédica Hospital Universitario La Paz. Signed date: 19/12/2018

Gómez Barrena E. Ensayo clínico fase II para evaluar el efecto del HC-SVT-1001 (células mesenquimales troncales adultas autólogas de tejido adiposo expandidas e incluidas en bio-material de fosfato tricálcico) en el tratamiento quirúrgico de pseudoartrosis atróficas de huesos largos. Type: Clinical Trial, phase II.

HULP code: Anexo-III 4278. Sponsored's protocol code: STEMQUIRI/12ES01.

Sponsored by: Salvat S.A. Signed date: 22/06/2018

Gómez Barrena E. A post-market domestic (US) and international data collection to assess the Optetrak® knee system. Type: EPA-SP.

HULP code: PI-3335. Sponsored's protocol code: CR5-007.

Sponsored by: Exactech International Operation AG. Signed date: 30/10/2018

Rubio Suárez JC. Fracturas extracapsulares del tercio proximal de fémur con inestabilidad rotacional. Estudio comparativo de la eficiencia de diferentes sistemas para incrementar la estabilidad. Type: Producto Sanitario.

HULP code: PI-3134. Sponsored's protocol code: ICSCYL-HURH-GAMMAUb.

Sponsored by: Fundación Instituto de Estudios de Ciencias de la Salud de Castilla y León.

Signed date: 08/05/2018

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

