



3.6.4 Osteoarticular Surgery Research - GICOA Group

Publications: 39

Impact Factor: 99.⁹⁹⁵

Q1: 13



Research Activity

Doctoral theses

Torrijos Zarcero M. Eficacia de un programa de mindfulness y compasión para la mejora de la calidad de vida, compasión, autocuidado y bienestar emocional del paciente con dolor crónico: Ensayo clínico aleatorizado [dissertation]. Madrid: UAM: 2019(25/02/2019).

Directors: Palao Tarrero AI, Rodríguez Vega B.

Publications

• Bravo E, Barco R, Rodríguez-Merchán EC. Musculo-skeletal problems of the hand in haemophilia. *EFORT Open Rev.* 2020; 5(6): 328-33.

Article. IF: 4.618; Q1

- Carbonell-Escobar R, Vaquero-Picado A, Barco R, Antuña S. Neurologic complications after surgical management of complex elbow trauma requiring radial head replacement. *J Shoulder Elbow Surg.* 2020; 29(6): 1282-8. Article. IF: 3.019; Q2
- Cucchi D, Luceri F, Celli A, Menon A, Barco R, Wegmann K, Randelli P, Eygendaal D, Arrigoni P. Fracture pattern influences radial head replacement size determination among experienced elbow surgeons. *Indian J Orthop.* 2020; 54(5): 539-47. Article. IF: 1.251; Q4
- de la Corte-Rodríguez H, Álvarez-Román MT, Rodríguez-Merchán EC, Jiménez-Yuste V. What COVID-19 can mean for people with hemophilia beyond the infection risk. *Expert Rev Hematol.* 2020; 13(10): 1073-9. Review. IF: 2.929; Q3

- de la Corte-Rodríguez H, Rodríguez-Merchán EC, Álvarez-Román MT, Jiménez-Yuste V. Intra-articular injections in people with haemophilia in the COVID-19 era. *Haemophilia.* 2020; 26(5): E248-50. Letter. IF: 4.287; Q1
- de la Corte-Rodríguez H, Rodríguez-Merchán EC, Álvarez-Román MT, Martín-Salces M, Martinoli C, Jiménez-Yuste V. HJHS 2.1 and HEAD-US assessment in the hemophilic joints: How do their findings compare? *Blood Coagul Fibrinolysis.* 2020; 31(6): 387-92. Article. IF: 1.276; Q4
- Encinas-Ullán CA, Martínez-Díez JM, Rodríguez-Merchán EC. The use of external fixation in the emergency department: applications, common errors, complications and their treatment. *EFORT Open Rev.* 2020; 5(4): 204-14. Article. IF: 4.618; Q1
- Gálvez-Sirvent E, Ibarzábal-Gil A, Rodríguez-

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- García-Rey E, Sirianni R, García-Cimbrello E, Sedel L. Total hip arthroplasty after acetabular fracture: does initial treatment make any difference to the outcome? A 5-to 23-year follow-up with clinical and radiological analysis. *Hip Int.* 2020; 30(3): 339-46. Article. IF: 2.135; Q3
- Gómez-Barrena E, Padilla-Eguiluz N, Rosset P, Gebhard F, Hernigou P, Baldini N, Rouard H, Sensebe L, Gonzalo-Daganzo RM, Giordano R, García-Rey E, Cordero-Ampuero J, Rubio-Suárez JC, García-Simon MD, Stanovici J, Ehrnthaller C, Huber-Lang M, Flouzat-Lachaniette CH, Chevallier N, Donati DM, Spazzoli B, Ciapetti G, Fleury S, Fernández MN, Cabrera JR, Avendaño-



- Sola C, Montemurro T, Panaitescuc C, Veronesi E, Rajewski MT, Lotfi R, Dominici M, Schrezenmeier H, Layrolle P. Early efficacy evaluation of mesenchymal stromal cells (MSC) combined to biomaterials to treat long bone non-unions. *Injury-Int J Care Inj*. 2020; 51: S63-73. Article. IF: 2.586; Q2
- Gómez-Barrena E, Padilla-Eguiluz NG, García-Rey E, Hernández-Esteban P, Cordero-Ampuero J, Rubio-Suárez JC. Validation of a long bone fracture non-union healing score after treatment with mesenchymal stromal cells combined to biomaterials. *Injury-Int J Care Inj*. 2020; 51: S55-62. Article. IF: 2.586; Q2
 - Gómez-Barrena E, Padilla-Eguiluz NG, Rosset P. Frontiers in non-union research. *EFORT Open Rev*. 2020; 5(10): 574-83. Article. IF: 4.618; Q1
 - Gómez-Barrena E, Rubio-Suárez JC, Fernández-Baillo N, Antuña S, Cruz-Pardos A, Blanco M, Ortiz-Cruz E, González-Morán G, Gil-Garay E. Limiting spread of COVID-19 in an orthopaedic department—a perspective from Spain. *J Surg Case Rep*. 2020; (4): rjaa095. Article. Not Indexed
 - Hachem AI, D'O GC, Rondanelli SR, Rius X, Barco R. Latarjet cerclage: The metal-free fixation. *Arthrosc Tec*. 2020; 9(9): E1397-408. Article. Not Indexed
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 - Pasta G, Jannelli E, Ivone A, Mosconi M, Ferranti Calderoni E, Minen A, Benazzo F, Rodríguez-Merchán EC. The role of six biomarkers in diagnosis of hemophilic arthropathy: review of the literature. *J Biol Regul Homeost Agents*. 2020; 34(3 Suppl. 2): 7-13. Article. IF: 1.711; Q4
 - Pérez-Chrzanowska H, Padilla-Eguiluz NG, Gómez-Barrena E. Defining the most effective patient blood management combined with tranexamic acid regime in primary uncemented total hip replacement surgery. *J Clin Med*. 2020; 9(6): 1952. Article. IF: 4.241; Q1
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 - Rodríguez-Merchán EC, de la Corte-Rodríguez H. Iliopsoas hematomas in people with hemophilia: diagnosis and treatment. *Expert Rev Hematol*. 2020; 13(8): 803-9. Review. IF: 2.929; Q3
 - Rodríguez-Merchán EC, Liddle AD. Prevention of periprosthetic joint infection in total knee arthroplasty: Main studies reported between november 2017 and january 2020. *Arch Bone Jt Surg-ABJS*. 2020; 8(4): 465-9. Editorial Material. Not Indexed
 - Rodríguez-Merchán EC. Does Intravenous or intraarticular tranexamic acid (TXA) reduce joint bleeding following arthroscopic anterior cruciate ligament (ACL) reconstruction and arthroscopic meniscectomy? Can intraarticular use be harmful to chondrocytes? *Arch Bone Jt Surg-ABJS*. 2020; 8(5): 557-9. Editorial Material. Not indexed
 - Rodríguez-Merchán EC. Hemophilic pseudotumors: Diagnosis and management. *Arch Bone Jt Surg-ABJS*. 2020; 8(2): 121-30. Review. Not Indexed
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 - Rodríguez-Merchán EC. Serological biomarkers in hemophilic arthropathy: Can they be used to monitor bleeding and ongoing progression of blood-induced joint disease in patients with hemophilia? *Blood Rev*. 2020; 41: 100642. Review. IF: 8.25; Q1
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 - Rubio I, Bellostas L, García-Rey E. Radiological subsidence and acetabular erosion after tapered uncemented hemiarthroplasty in femoral neck fractures a 10-to 13-year follow-up study. *Injury-Int J Care Inj*. 2020; 51: S37-41. Article. IF: 2.586; Q2
 - Vallés G, Bensiamar F, Maestro-Paramio L, García-Rey E, Vilaboa N, Saldaña L. Influence of inflammatory conditions provided by macrophages on osteogenic ability of mesenchymal stem cells. *Stem Cell Res Ther*. 2020; 11(1): 57. Article. IF: 6.832; Q1
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Research projects

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

Management centre: FIBHULP

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

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Barco Laakso R. Morfología radiocapite-



3.6 Surgery, Transplant and Health Technologies Area

lar, un estudio anatómico. Acumed LLC. 2018-Ongoing.

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Management centre: FIBHULP

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

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