Cecilia Pascual-Garrido
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Sports Division
University of Colorado School of Medicine
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Current Position

August, 2014 to present
Assistant Professor, Hip Preservation Center, University of Colorado Hospital, Aurora, Colorado

Education

2015- Present PhD Student
Universidad Catolica- Buenos Aires- Argentina "Cartilage Repair with MSCs delivered in a Novel Hydrogel"

August, 2013- July, 2014
Hip Preservation Center, Fellow Instructor,
University of Colorado Hospital, Aurora, CO

August, 2012- July, 2013
Adult Reconstruction Fellowship
University of Colorado Hospital, Aurora, CO

August, 2011- July, 2012
Sports and Shoulder Surgery Fellowship
HSS (Hospital for Special Surgery). New York

August, 2010- July, 2011
Sports Fellowship
Barton Lake Tahoe Orthopedic Sports Medicine Fellowship, California

August, 2008-July, 2009
Research Fellow of Cartilage Restoration Center at Rush Departments of Orthopedics & Anatomy and Cell Biology Section of Sports Medicine, Rush University Medical Center. Chicago, IL

August, 2007- July, 2008
Postdoctoral Research Fellowship
Department of Biochemistry. Rush University Medical Center. Chicago, IL

June, 2002- July, 2007
Residence in Orthopedics

Hospital Italiano de Buenos Aires, Argentina

2007, April - June
Internship
Cartilage Transplantation Unit
Universitat Freiburg Klinikum, Germany

2007, April- June
Internship
Orthobiologie and Knorpelregeneration. Shulthess Klinik, Zurich, Switzerland

2006, April 1 – April 29
Internship
Cleveland Clinic, Sports Medicine Area, Bergfeld J Department
Cleveland, Ohio

2005, January - March
Internship
Department of Biochemistry and Section of Rheumatology Medical College Rush Presbyterian, St Luke Medical Hospital
Chicago, IL

2001, July - December
Internship
Clínica Universitaria de Navarra, Orthopaedics and Traumatology-Muskuloskeletal Research Area
Pamplona, Spain

2000, October - November
Internship
Hospital Universitario La Paz, Orthopaedics Service
Madrid, Spain

March, 1994- November, 2000
Medical Degree
René Favaloro Medical University
Buenos Aires, Argentina
Graduated with Honors (9.78 /10)

Professional Societies and Memberships

Active Member of ICRS.
Associate Member of AOSSM
Associate Member of AAOS
Active Member of ORS
Active Member of ISHA
Active Member of ISAKOS

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Committee and Service Responsibilities	2016-2017 ORS Nominating Committee. Chair. Dr. Matias Bostrom 2015- 2019 AOSSM Research Committee. Chair Dr. LaPrade 2015-2016 ICRS Educational Committee. Chair Dr. Jack Farr 2015 COMIRB Panel Reviewer at University of Colorado 2015-2016 AAOT International Scientific Committee
Certification	United States Medical Licensing Certificated. ECFMG Certified. 2009 Step 3: Pass 2007 Step 2 CS: Pass 2007 Step 1: Pass 2006 Step 2 CK: Pass
Teaching Lectures	2016: Vail Scientific Summit: Engaging the greatest minds in regenerative medicine and science. “Novel Scaffolds, Bioprinting in Orthopedics”. 2016: ISHA ICL Course: Treatments for Femoral Head Cartilage Management: Results & Tricks: OATS, MACI, MCFX, Cells. 2016: AOSSM Annual Meeting. Leader Faculty. ICL course: Biologics Treatments for Orthopedics Injuries. 2016: Cartilage Repair in the Hip. Fukuoka, Department of Orthopedics, Wakamatsu Hospital for the University of Occupational and Environmental Health, Japan 2016. 2016: ORS. Cartilage Healing and Gene Therapy Moderator. Orlando, USA. 2015: ICRS. Moderator Hip Cartilage Session. Chicago, USA May 8-13. 2014: AOSSM ICL course: “The Active Hip – From Hip Dysplasia to FAI and In-Between: An Approach to Open and Arthroscopic Management” AOSSM, Seattle, WA. USA. 2014: “Hip Dysplasia in Active Patients”. Barton Memorial Hospital. South Lake Tahoe, CA, USA. 2014: Hip Preservation Course. AAOT (Asociacion Argentina de Ortopedia y Traumatologia). Buenos Aires, Argentina. 2009. ICRS “Treatment of Chondral Defects of the Knee”. Florida, USA.
Medical Student Preceptor	2016: Jaren LaGreca, M.D. Candidate 2017. University of Colorado. School of Medicine.

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2016: Abigail Richards. BS (Summer Student).

2016: Francisco Rodriguez-Fontan, MD (International Research Cartilage Fellow).

Awards

2016 AOSSM/SANOFI OSTEOARTHRITIS "Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in an Equine Animal Model"

2016 The William Harris Career Development Award in Hip Preservation. Anchor Group. Washington University.

2015 Sponsored guest by AAOS/ORS for the Biological Treatments for Orthopedics Injuries Research (BTOI) Symposium, Rosemont, Chicago, Nov 5-7.

2015 AAOS/OREF/ORS Clinician Scholar Career Development Program. Rosemont, Chicago Sept 17-19.

2007. Prof. Dr. Carlos Ottolenghi Research Award. "Inoculation of progenitors cells in hip osteonecrosis - A study in a rabbit model

2006. Prof. Dr. Carlos Ottolenghi Research Award. 2006. "Increased chondrogenic capacity of periosteum supplemented with chondrocytes". A rabbit model animal.

2006. SIROT Oral Presentation Award. Fourth SICOT/ SIROT Annual International Conference. "Mesenchymal stem cells and chondrocytes for the repair of large full thickness osteochondral defects. A rabbit model animal".

2006. Argentina Arthroscopy International Meeting Award. "Osteochondral defects treated with progenitor cells or ACI Rabbit model".

2005. 42 Orthopedics and Traumatology Argentinean Meeting Residency Award. "Mesenchymal and autologous chondrocyte cell-based repair of large full thickness defects of articular cartilage".

2005 Argentinean Meeting of Sport Medicine Award. "Controversial of growth factors in sports medicine".

Publications

1. 2016. Ignacio Dallo, Jorge Chahla, Justin Mitchell, **Cecilia Pascual-Garrido**, John Feagin and Robert LaPrade. Biologic Approached for the Treatment of Partial Tears of the Anterior Cruciate Ligament. OJSM. In Press.

2. 2016. Nicolas Puzzi, Jorge Chahla, Robert LaPrade, George Muschler and **Cecilia Pascual-Garrido**. Cell therapy for Avascular Necrosis in the Hip. Systematic Review of the Literature and Study Qaulity Analysis. JBJS Am. In press.

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3. 2016. Jorge Chahla, Javier Olivetto, Omer Mei-Dan y **Cecilia Pascual-Garrido.** Terapias Biologicas de las Lesiones del Cartilage de la Cadera. Revista Latinoamericana de Cirugia Ortopedica. 1 (1):37-46

4. 2016. Soshi Uchida, **Cecilia Pascual-Garrido**, Yasuo Ohnishi, Hajime Utsunomiya, Yohei Yukizawa, Jorge Chahla and Akinori Sakai**.** Arthroscopic Shoelace Capsular Closure Technique in the Hip using Ultratape. Arthroscopic Technique. In press**.**

5. 2016. Francisco Rodriguez Fontan, MD; Nicolas S. Piuzzi, MD ; Jorge Chahla, MD ; Karin Payne, PhD; Robert F. LaPrade, MD; George F. Muschler, MD; **Cecilia Pascual-Garrido, MD.** Stem and Progenitor Cells for Cartilage Repair: Source, Safety Evidence and Efficacy. Operative Techniques in Sports Medicine. In press**.**

6. 2016. **Pascual-Garrido C**, Erika Daley, Nikhil Verma and Brian J Cole. Comparison of the Outcomes for Cartilage Defects of the Knee Treated with Either Biologic Resurfacing versus Focal Metallic Implants. Journal of Arthroscopic and Related Surgery. In press.

7. 2016. Kuettner, Chahla, Chase, Mitchell, Pinney and **Pascual-Garrido C.** Current Concepts Review Update: Osteochondral Lesions of the Talus. Foot and Ankle International. In press

8. 2016. Chadayammuri V, **Pascual-Garrido C,** Garabekyan T, Kraeutler MJ, Milligan K, Bedi A, Mei-Dan O.Effect of General Anesthesia on Preoperative Hip Range of Motion in Patients Undergoing Hip Arthroscopy. Orthopedics. 2016 Aug 18:1-5. doi: 10.3928/01477447-20160811-03.

9. 2016 Kuettner and McCarty and **Pascual-Garrido**. Intra-articular injection for prevention of OA Part 2: A review on the evidence in animal and human studies. OJSM. In press

10. 2016 Kuettner and McCarty and **Pascual-Garrido**. Intra-articular injection of mesenchymal stem cells for meniscal regeneration Part 2: A review on the evidence in animal and human studies. OJSM. In press.

11. 2016 **Pascual-Garrido C**, Jiandong Hao, John Schrock, Omer Mei-Dan and Jorge Chahla. Arthroscopic Juvenile Allograft Cartilage Implantation for Cartilage Lesions in the Hip. Arthroscopy Techniques. August 22, 2016.

12. 2016 Chadayammuri V, **Pascual-Garrido C**, Garabekyan T, Kraeutler MJ, Milligan K, Bedi A, Mei-Dan O. Effect of General Anesthesia on Preoperative Hip Range of Motion in

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Patients Undergoing Hip Arthroscopy. Orthopedics. 2016 Aug 18:1-5.

13. 2016 Jorge Chahla, George Sanchez, Gilbert Moatshe, Abigail Richards, Chris Van der Walt and **Cecilia Pascual-Garrido**. Vascular Coloration for Anatomical Study of the Pelvis and Hip: Implications in Hip Preservation Surgery. Arthroscopy Techniques. In Press.
14. 2016. Jaren Lagreca, MD; Jorge Chahla MD, Abigail Richards, Robert LaPrade MD, Cecilia Pascual-Garrido, MD. Residents Physicians Reduce Activity Below Recommended Guidelines during Residency. Journal of Graduate Medical Education. Under Review.
15. 2016. Matthew J. Kraeutler MD[1]; Jorge Chahla MD[2]; Chase S. Dean MD[2]; Justin J. Mitchell MD[2]; Maria Gala Santini-Araujo MD[3]; Stephen J. Pinney MD[4]; **Cecilia Pascual-Garrido MD**[1] "Osteochondral lesions of the talus: An updated review. Foot and Ankle Journal. In press.
16. 2016 **Pascual-Garrido C,** Angeline ME, Chahla J, Ma R, Warren RF and Rodeo SA. Low levels of Vitamin D effect on Cartilage and Subchondral Bone in a Rat Model. **HSS Journal.** 2016 Jul; 12(2):150-157.
17. 2016 Mei-Dan, **Pascual-Garrido** et al. Lateral Acetabular Coverage Predicts Size of Hip Labrum. AJSM (American Journal Sports Medicine). Mar 17.
18. 2016 Chahla J, LaPrade R, Nho S, Mei-Dan, MJ Philippon and **Cecilia Pascual-Garrido**. Biological Therapies for Cartilage Lesions in the Hip. A New Horizon. 2016 Orthopedics. 2016 Jun 30:1-9. doi: 10.3928/01477447-20160623-01.
19. 2016 Chahla J, Dean Chase and **Cecilia Pascual-Garrido**. Core Decompression Augmented with Autologous Bone Marrow Aspiration Concentrate for Early Avascular Necrosis of the Femoral Head. A Minimally Invasive Technique. Arthroscopy Techniques. Vol 5, Issue 3, 615-620
20. 2016 Chahla, **Pascual-Garrido C**, LaPrade et al: Intra-articular Cell Therapy Injection for Knee Osteoarthritis and Focal Cartilage Defects: Systematic Review of the Literature and Study Quality Analysis. JBJS. Under Review.
21. 2016 Chahla**, Pascual-Garrido C**, LaPrade et al. Concentrated Bone Marrow Aspirate for the Treatment of Chondral Injuries and Osteoarthritis of the Knee: A Systematic Review of Outcomes. OJSM. 2016 Jan 13; 4(1): 2325967115625481.
22. 2016 **Pascual-Garrido**, John B Schrock, Justin Mitchell, Gaston Camino Willhuber, Omer Mei-Dan and Jorge

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Chahla. Arthroscopic Fixation of Os Acetabuli- Bony Rim Fracture Management. Arthroscopy Techniques. In press.

23. 2016 Tigran Garabekyan, Vivek Chadayammuri, Cecilia **Pascual-Garrido** and Omer Mei-Dan. All Arthroscopic Ligamentus Teres Reconstruction with Graft Fixation at the Femoral Head Neck Junction. Arthroscopy Techniques. February 2016 Feb 15;5(1):e143-7. doi: 10.1016/j.eats.2015.10.020.
24. 2016 Tigran Garabekyan, Vivek Chadayammuri, **Cecilia Pascual-Garrido** and Omer Mei-Dan. All Arthroscopic Ligamentus Teres Reconstruction with Graft Fixation at the Femoral Head Neck Junction. Arthroscopy Techniques. February.
25. 2016 **Pascual-Garrido C**, Morris BL, Dayton MR. Clinical and functional outcomes of the Birmingham Hip Resurfacing System. A Single Surgeon Series of 206 hips. Orthopedics. 2016 Feb 2:1-4. doi: 10.3928/01477447-20160129-01.
26. 2016 Kuettner, **Pascual-Garrido C**, Chubinskaya S. Pecularities in Ankle Cartilage. Cartilage Journal. April, doi: 10.117/19476035.
27. 2016 Chahla, Dean and **Pascual-Garrido C**. Proximal Rectus Femoris Avulsion Repair. Arthroscopy Techniques, May http://dx.doi.org/10.1016/j.eats.2016.02.002.
28. 2016 Chadayammuri V, Garabekyan T, Bedi A, **Pascual-Garrido C**, Rhodes J, O'Hara J, Mei-Dan O. Passive Hip Range of Motion Predicts Femoral Torsion and Acetabular Version. J Bone Joint Surg Am. 2016 Jan 20; 98(2):127-34.
29. 2015 **Pascual-Garrido C**. A novel running progression program for patients following arthroscopic hip surgery. Sports Health. A Multidisciplinary Approach. Under review.
30. 2015 Mei-Dan O, Garabekyan T, McConkey MO, **Pascual-Garrido C**. Arthroscopic Anterior Capsular Reconstruction of the Hip for Recurrent Instability. Arthroscopy: The Journal of Arthroscopic and Related Surgery (in press).
31. 2015 Brett Moreira, **Pascual-Garrido C**, Mei-Dan O. Eversion-Inversion labral repair and reconstruction technique for optimal suction seal Arthroscopy: The Journal of Arthroscopic and Related Surgery (in press).
32. 2015 Chahla J, Rodeo SA and **Pascual-Garrido C.** Posteromedial Reconstruction of the Knee With a Mini-Invasive Technique. A Cadaveric Study. Arthroscopy. Under Review.
33. 2015 **Pascual-Garrido C**, Mei-Dan O. Does Acetabular Coverage Measured on Plain Radiography Correlate with

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that Measured on Pelvic CT?" Journal of Hip Preservation Surgery, Under review.

34. 2015 Mei-Dan O, **Pascual-Garrido C** et al. Femoral Torsion and Acetabular Version as Predictors of Passive Hip Range of Motion and Their Combined Effect on Anterior Hip Instability. JBJS Am. In press.
35. 2015 Mei-Dan O, **Pascual-Garrido C** et al. The Role of Hip Arthroscopy in Investigating and Managing the Painful Hip Resurfacing Arthroplasty. Arthroscopy. Nov. S0749-8063(15)00707-0. doi: 10.1016/j.arthro.2015.08.029.
36. 2015 Chahla J, **Pascual-Garrido C**, Rodeo SA. ACL Reconstruction on Congenital Absence of ACL. A report of 2 cases. HSS J. 2015 Jul; 11(2):177-81. doi: 10.1007/s11420-015-9448-6. Epub 2015 May 17.
37. 2015 **Pascual-Garrido C**, Angeline ME, Chahla J, Ma R, Warren RF and Rodeo SA. Low levels of Vitamin D effect on Cartilage and Subchondral Bone in a Rat Model. HSS Journal. Under Review.
38. 2015 Nacius LA, **Pascual-Garrido C**, Sagiv P, Mei-Dan O. Skin closure after arthroscopy utilizing a pull-out bow-tie subcuticular suture. Muscles Ligaments. 2015 Feb 5; 4(4):404-6.
39. 2014 **Pascual-Garrido C**, Mei-Dan O. Can Hip Arthroscopy be performed with conventional knee length instrumentation? Arthroscopy, Aug. 2014 Dec; 30(12):1588-94.
40. 2014 Cathal M, **Pascual-Garrido C**, Chubinskaya S, Potter HG, Cole BJ and Rodeo SA. Restoration of Articular Cartilage. JBJS Am. J Bone Joint Surg Am. 2014 Feb 19; 96(4):336-44. doi: 10.2106/JBJS.L.01329.
41. 2014 Mei-Dan O and **Pascual-Garrido C**. Percutaneous Derotational Femoral Osteotomy for excessive femoral torsion. Orthopedics. 2014 Apr; 37(4):243-9.
42. 2014 Mei-Dan O, **Pascual-Garrido C** et al. “Inside Out: A labral repair and advancement Technique. Arthrosc Tech. 2014 Mar 21; 3(2):e241-4.
43. 2013. Angeline ME, Ma R, **Pascual-Garrido C**, Warren RF and Rodeo SA. The Effect of Vitamin D Deficiency on Rotator Cuff Healing in a Rat Model. Am J Sports Med. 2014 Jan; 42(1):27-34.
44. 2013 **Pascual-Garrido C**, Carbo L, Makino A. “Outcomes for Revision ACL Reconstruction using allograft in young-middle age patients. Comparison between Patellar Tendon and Tibialis Anterior Allograft”. Pascual-Garrido, C, Makino A. Knee Surg Sports Traumatol Arthrosc. 2014 May; 22(5):1106-1.

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45. 2013 **Pascual-Garrido C**, Green D, Cole BJ. Surgical Treatment of OCD lesions in children and adolescents. Current Opinion in Pediatrics. 2013 Feb; 25(1):46-51.
46. 2013 **Pascual-Garrido C**, Swanson BL, Swanson KE. Transtibial versus low anteromedial portal drilling for anterior cruciate reconstruction: a radiographic study of femoral tunnel position. Knee Surg Sports Traumatology. 2013 Apr; 21(4):846-50.
47. 2012 Neil Ghodadra, Nathan A Mall, Vasili Karas, Robert C Grumet, Spencer Kirk, Allison G McNickle, **Cecilia Pascual- Garrido,** Brian J Cole, Bernard R Bach. Articular and Meniscal Pathology Associated with Primary Anterior Cruciate Ligament Reconstruction. The journal of knee surgery.
48. 2012 Venu M. Nemani, Rachel M. Frank, Keith R. Reinhardt, **Cecilia Pascual-Garrido**, Adam B. Yanke, Russell F. Warren. "Popliteal venotomy during posterior cruciate ligament reconstruction in the setting of a popliteal artery bypass graft: a case report". Athroscopy. Feb; 28(2):294-9.
49. 2012 **Pascual-Garrido C**, Rolon A, Makino A. Treatment of chronic patellar tendinopathy with Autologous Bone Marrow Stem Cells. Stem Cell International Journal. January 2012; 2012: 953510.
50. 2012 **Pascual-Garrido C**, Swanson B, Bannar MS. Closed proximal muscle rupture of the biceps brachii among wakeboarders. Knee Surg Sports Traumatology. 2012 Jun; 20(6):1019-21.
51. 2011 Makino A, **Pascual-Garrido C**, Tanoira I, Rolon A, Isola M, Muscolo DL. Mucoid degeneration of the Anterior Cruciate Ligament. MRI, clinical, intraoperative and histologic findings. Knee Surg Sports Traumatology. 2011. Mar; 19(3):408-11.
52. 2010 Bajaj S, Hakimiyan A, Rappoport L**, Pascual-Garrido C,** Oegema T, Wimmer M, Chubinskaya S. Protective effect of P188 in the Model of Acute Trauma to Human Ankle Cartilage: the Mechanism of Action. J Orthop Trauma. 2010 Sep; 24(9):571-6.
53. 2010 Cole BJ, **Pascual-Garrido C**, Grumet R. Surgical management of articular cartilage defects in the knee. JBJS AM. Instr Course Lect. 2010; 59:181-204.
54. 2010 **Pascual-Garrido C**, Tanoira I, Muscolo DL, Ayerza MA, Makino A. Viability of loose body fragments in Osteochondritis Dissecans of the knee. A series of cases. International Orthopedics. Volume 34, Issue 6 (2010), Page 827.

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55. 2009 **Pascual-Garrido C, MD**, Friel NA, Kirk SS, McNickle A, Bush-Joseph C, Verma NN, Bach BR, Cole BJ. Outcomes of surgical treatments for Osteochondritis Dissecans of the knee in adult patient. American Journal Sport Med. November Cartilage Supplement.
56. 2009 **Cecilia Pascual-Garrido, MD**; Mark Slabaugh, MD; Daniel R. L'Heureux, BS; Brian J. Cole, MD, MBA . Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up. American Journal Sport Med. November. Cartilage Supplement.
57. 2009 Gomoll AH, Probst C, Farr J, Cole BJ, Minas T. Use of a type I/III bilayer collagen membrane decreases reoperation rates for symptomatic hypertrophy after autologous chondrocyte implantation. American Journal Sport Med. November. Cartilage Supplement. We acknowledge the work of Tim Bryant, Katie O'Neal, Nicole Friel, and **Cecilia Pascual-Garrido**, without whom this research would not have been possible.
58. 2009 **Pascual-Garrido C;** Mc-Nickle A; Cole BJ. Tratamiento quirúrgico de la Osteochondritis disecante. Revista Argentina de Artroscopia. Mayo, Vol 16.
59. 2009 Brian J Cole, MD, MBA, **Cecilia Pascual-Garrido, MD,** Robert C Grumet, MD. "Surgical Management of articular defects of the knee". Instructional Course Lecture. American Journal Bone Joint Surgery. 2009, 91:1778-1790.
60. 2009 Robert C Grumet, MD, **Cecilia Pascual-Garrido, MD**, Spencer S Kirk, BS, Allison G McNickle, BA, Brian J Cole, MD, MBA, Bernard R Bach, Jr, MD. Patología Articular y meniscal asociada con reconstrucción primaria de ligamento cruzado anterior. In press. Revista MAPFRE. Trauma Fund MAPFRE (2009) Vol 20 nº 2:116-125.
61. 2009 **Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S. Antiapototic treatment prevents cartilage degradation after acute trauma to human ankle cartilage. Osteoarthritis Cartilage. 2009 Mar 24.
62. 2009 **Pascual-Garrido C**; Mc-Nickle A; Cole BJ. "Surgical Treatment Options for Osteochondritis Dissecans of the Knee". Sports Health Journal. Sports Health: A Multidisciplinary Approach. July 2009, Vol 1 N0 4 326-334.
63. 2006 **Pascual-Garrido C**, "Mesenchymal and autologous chondrocyte cell-based repair of large full thickness defects of articular cartilage." Revista AAOT (Argentina) September, 71 (3), 254-257.
64. 2006 Makino A, Aponte Tinao L, Ayerza MA, **Pascual-Garrido C**, Muscolo DL. "Anatomic double-bundle posterior

cruciate ligament reconstruction using double-double tunnel with tibial anterior and posterior fresh-frozen allograft". Arthroscopy. Jun 22(6):684.e1-5.

65. 2005 Caviglia H, **Pascual-Garrido C**, Palazzi FF, Meana NV. "Pediatric fractures of the humerus" Clin Orthop Relat Res. (432) 49-56.
66. 2005 **Pascual-Garrido Cecilia.** "Tibial Pilon Fractures: Minimal Invasive Osteosynthesis Procedure." Revista AAOT (Argentina) November: 125-136.
67. 2005 **Pascual-Garrido Cecilia.** "Prospective Analysis of Ottawa Ankle Rules". Revista AAOT (Argentina). June 2:150-154.
68. 2005 **Pascual-Garrido Cecilia.** "An experimental non-union rat model". Revista AAOT (Argentina). March 1: 87-93.
69. 62. 2003 **Pascual-Garrido Cecilia**. "Periprothesic Interphase on femoral stem and acetabular cemented hip prosthesis revision".Vol.1, 2 & 3 in Patología del Aparator Locomotor. (Spain).

Book Editor

2016. Hip Arthroscopy. Jorge Chahla, Justin Mitchell, Cecilia Pascual-Garrido and Mark Philippon.

Book Chapters

1. 2016 **Pascual-Garrido C** et al. Pelvis, Hip and Thigh Injuries. Netter's Sports Medicine, 2nd Edition. Edited by Dr. Christopher Madden, Margot Putukian, Craig Young and Eric McCarty.

2. 2015 **Pascual-Garrido C**, Chubinskaya S. "Potential Targets for Pharmacological Therapies". Posttraumatic Arthritis: Pathogenesis, Diagnosis and Management.

3. 2015. **Pascual-Garrido C**, Rodeo SA. "Biology of Cartilage Regeneration in the Articular Lesions: Prevention and Treatment". McCarthy, Villar &Noble: Diagnosis and Surgical Treatment of Hip Disease.

4. 2011. B J. Cole, **Pascual-Garrido C**, Grumet RC "Overview and Indications for Articular Cartilage Restoration" in Advanced Reconstruction of the Knee, Ed. Lieberman, Berry, Azar. Chapter 53.

5. 2011. Osteochondritis Dissecans. Master Techniques in Orthopaedic Surgery: Sports Medicine. Editor: Freddie H. Fu, M.D. **Pascual-Garrido C**, Slabaugh M, Friel N, Cole BJ.

6. 2006. **Pascual-Garrido Cecilia**. "Tissue engineering for articular cartilage". Regenerative Medicine and Stem Cells (Argentina) Pp: 197-205. From cell therapy to tissue engineering. Pablo Argibay-Univer Nacional de Quilmes Ed.

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7. 2002. **Pascual-Garrido Cecilia.** “Synoviorthesis in patients with high responder inhibitors”. Chapter 9. Pp. 124-129 in EC Rodríguez-Merchán & Lee CA. Inhibitors in patients with haemophilia. Blackwell Science. (England).

8. 2001. **Pascual-Garrido Cecilia.** Results and complications on knee revision surgery. Chapter 17. In Ortega Andreau; Rodríguez-Merchán & Alonso Carro. Revision Arthroplasty of the knee. Editorial Panamericana (Spain).

Abstracts

1. **2016 Clinical Outcomes of Treatment of Early OA for the Knee and Hip with Bone Marrow Aspirate Concentrate.** ICRS, September 24-27, Sorrento, Napoles. Italy.

2. **2015 Arthroscopic Combined Ligamentum Teres Reconstruction with Posterior Capsular Re-Insertion for Recurrent Posterior Instability of the Hip.** ISHA, September 24th-26th. Cambridge, England.

3. **2015 Comparison Of Pre-Operative Hip Range of Motion with and without General Anesthesia in Patients with FAI. E-Poster.** The 10th Biennial ISAKOS Congress, Lyon, France, June 7-11, 2015.

4. **2015 Can Hip Arthroscopy be Performed with Conventional Knee Length Instrumentation? E-Poster.** The 10th Biennial ISAKOS Congress, Lyon, France, June 7-11, 2015.

5. **2015 The Role of Hip Arthroscopy in Investigating and Managing the Painful Resurfacing Hip Arthroplasty.** The 10th Biennial ISAKOS Congress, Lyon, France, June 7-11, 2015.

6. **2015 Histological and Viability Evaluation of Chondral Flaps of Patients with Cam Type FAI** The 10th Biennial ISAKOS Congress, Lyon, France, June 7-11, 2015.

7. **2015 AOSSM, Orlando USA. Biological Treatments for Sports Injuries. Grant Workshop. Principal Investigator. “***A Novel Transchondral Microfracture Technique for Chondral Bubble Lesions in a Goat Animal Model”.*

8. **2015 AOSSM, Orlando USA. Biological Treatments for Sports Injuries. Grant Workshop. Principal Investigator. “***Cartilage Repair with Mesenchymal Stem Cells (MSCs) delivered in a Novel Chondroitin Sulfate/ polyethylene glycol Hydrogel in an Equine Animal Model”.*

9. **2015 AOSSM, Orlando USA. Biological Treatments for Sports Injuries. Grant Workshop. Co-Principal Investigator.** *“Clinical, Biologic, and Genetic Evaluation of Synovial Fluid across a Spectrum of Cartilage Damage within the Human Hip, Knee and Shoulder BAJA (Biomarkers in Joint Arthroscopy/Arthroplasty) Group”.*

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10. **2015. ICRS. Chicago, USA.** Growth factors intrinsic to Cartilage Repair.

11**. 2014. ISHA. Rio de Janeiro, Brazil.** Can Hip Arthroscopy be performed with conventional knee length instrumentation? Cecilia Pascual-Garrido and Omer Mei-Dan.

12. **2014. ISHA. Rio de Janeiro, Brazil.** Viability and Histological analyzes of chondral flaps of patients with FAI Cam type. Cecilia Pascual-Garrido and Omer Mei-D.

13**. 2014. Extreme Sports Meeting. Boulder, CO.** Mountain Running Injuries.

14**. 2014. Extreme Sports Meeting. Boulder, CO.** Ultra and Endurance Athlete.

15**. 2013 AOSSM.** Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical evaluation of chondral lesions treated with allografts juvenile cells. **Podium Presentation.**

16. **2013 AAOS**. **Scientific Exhibit.** Title: The Impact of Vitamin D Deficiency on Musculoskeletal Health and Orthopaedic Outcomes. Ma R, Angeline ME, **Pascual-Garrido C**, Warren RF and Rodeo SA.

17. **ICSES 2013. Japan 2013. Pascual-Garrido C,** Gold SL, Angeline ME, Gee AO, Burge AJ, Steele J, Potter HG, Dines JS, Altchek DW. Osteochondritis Dissecans of the Glenoid in Overhead Athletes: Clinical and MRI Findings. Under review.

18. **2013. Finalist at the ORS. Cecilia Pascual-Garrido MD**; Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical evaluation of chondral lesions treated with allografts juvenile cells. **Podium Presentation.**

19. **2013. ORS. Pascual-Garrido C**, Angeline ME, Ma R, Voigt C, Nguyen j, Warren RF, Rodeo SA. Low levels of Vitamin D effect on Cartilage and subchondral bone in a Rat Model. **Podium Presentation.**

20. **2013. AAOS.** Michael E. Angeline, Richard Ma, **Cecilia Pascual-Garrido**, Clifford Voigt, Xiang Hua Deng, Russell F. Warren and Scott A. Rodeo. The Effect of Vitamin D Deficiency on Rotator Cuff Healing in a Rat Model. **Podium Presentation.**

21. **2013. AAOS**. **Cecilia Pascual-Garrido MD**; Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical

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evaluation of chondral lesions treated with allografts juvenile cells. **Podium Presentation.**

22. **2012. ASES. American Shoulder and Elbow Closed Meeting**. **Sea Island, Georgia. USA**. Osteochondritis Dissecans of the Glenoid in Overhead Athletes: Clinical and MRI Findings. **Pascual-Garrido C**, Gold S, Angeline ME, Gee AO, Burge AJ, Steele J, Potter HG, Dines JS, Altchek DW.

23**. 2011. ISAKOS. Rio de Janeiro. Brazil** Treatment of Full Thickness Focal Articular Cartilage Lesions in the Femoral Condyle of Middle-Aged Patients: A population Matched Comparison of Biological Procedures and Focal Prosthetic Inlay Resurfacing. **Cecilia Pascual-Garrido** and BJ Cole.

24. **2009**. ICRS. Miami, Florida. Surgical treatment options for cartilage defects in the knee. Invitation. **Cecilia Pascual-Garrido.**

25. **2009.** P188 alone or in combination with OP-1 is effective in reducing cartilage degeneration and promotion cell survival in the model of acute trauma to human ankle cartilage: the mechanism of action. S Bajaj, K Sampath, **C Pascual-Garrido**, F Hirschfeld, AA Hakimiyan, L Rappaport, MA Wimmer, TR Oegema, S Chubinskaya. OARSI 2009.

26. **2009. Pascual-Garrido C**, MD, Hakimiyan A, Rappaport L, Margulis A, Oegema T, Wimmer M, Chubinskaya S. Anti- apoptotic treatments prevent cartilage degradation alter acute trauma to human ankle cartilage. 55th Annual Meeting of the Orthopedics Research Society. Las Vegas. USA.

27. **2009. Cecilia Pascual-Garrido**, MD; Mark Slabaugh, MD; Daniel R. L'Heureux, BS; Brian J. Cole, MD, MBA. "Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up". ICRS- Miami. USA.

28. **2009. Cecilia Pascual-Garrido, MD**; Mark Slabaugh, MD; Daniel R. L'Heureux, BS; Brian J. Cole , MD, MBA. "Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up". Podium presentation at the AOSSM 2009 Annual Meeting 07/11/09. Keystone, Colorado. USA.

29. **2009. Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S. Use of Anti-apoptotic Treatments to Prevent Cartilage Degradation In Vitro After Acute Trauma to Human Ankle Cartilage – Paper. 7th Biennial ISAKOS Congress • Osaka, Japan • April 5 - 9, 2009.

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30. **2009**. **Pascual-Garrido C,** Makino A. Viability Assessment of Intrarticular Osteochondral Knee Fragments – Paper. 7th Biennial ISAKOS Congress • Osaka, Japan • April 5 - 9, 2009.

31. **2008. Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S **"**Inhibition of cell death prevents cartilage degradation in acute trauma model". OARSI (World congress on Osteoarthritis).Meeting. Rome, Italy.

32. **2008. Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S**.** "Use of anti-apoptotic treatments to prevent cartilage degradation in vitro after acute trauma to human ankle cartilage". Orthopaedic Trauma Association, Denver. USA.

33. **2008. Pascual-Garrido C** "The role of cell death and caspases in articular cartilage degeneration in an acute trauma model". Forum for Research and Clinical Investigation. Rush University Medical Center. Chicago. IL.USA.

34. 2007. **Pascual- Garrido C,** Makino A "Chondrogenic potential of chondrocytes or fibroblast inoculated under periosteum flap in a rabbit model" 8 *EFORT Congress* Florence ITALY.

35. 2007. **Pascual-Garrido C,** Makino A "Viability of lost intrarticular knee fragments" *Orthopaedics Research Society*. San Diego, USA.

36. 2006. **Pascual-Garrido C,** "Stem Cells Cartilage Repair Capacity. Cartilage Articular Lesions Meeting". *MAPFRE*. SPAIN.

37. 2006. **Pascual- Garrido C**, Buttaro MA, Piccaluga F. "Core decompression and autologous stem cell inoculation for the treatment of femoral head osteonecrosis. Preliminary Study" .*Fourth SICOT/SIRO*T Annual International Conference. ARGENTINA.

38. 2006. **Pascual-Garrido C,** Makino A "Mesenchymal and Autologous Chondrocyte Cell- Based Repair of large full thickness defects if Articular Cartilage." Fourth *SICOT/SIROT* Annual International Conference. August ARGENTINA.

39. 2006. **Pascual-Garrido C,** Makino A "Mucoid Degeneration of the ACL". Fourth *SICOT/SIROT* Annual International Conference. August ARGENTINA.

40. 2006. **Pascual-Garrido C,** Makino A "Mesenchymal and Autologous Chondrocyte Cell Based Repair of Large Full Thickness defects of articular cartilage". *Orthopedics Research Society*. . Chicago, USA.

41. 2006. **Pascual-Garrido C,** Illarramendi A. "The effects of Unicortical Osteotomy on Bone Non-Union in a rat model". *Orthopedics Research Society*. Chicago, USA.

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42. 2006. **Pascual-Garrido C,** Makino A "Osteochondral Cylinder Transplantation of the Patella. A clinical and MRI 3D Evaluation. 6th *ICRS Symposium* (International Cartilage Repair Society). San Diego, USA.

43. 2006. **Pascual-Garrido C,** Makino A "Stem cells and ACI repair capacity. Histology and MRI Evaluation. 6th *ICRS* Symposium (International Cartilage Repair Society). San Diego, USA.

44. 2005. **Pascual-Garrido C,** Illarramendi A "Induction of a pseudoarthrosis: a study using a rodent model". 5th Combined meeting of the *Orthopaedic Research Societies*. Banff, Canada.

Team Coverage

1. 2011-2012 Assistant Physician to the Mets. NBL. New York.
2. 2011 Assistant Physician in US-Open Tennis. New York.
3. 2011-2012 Assistant Physician to the Knicks. NBA. New York.
4. 2011-2012 Physician of Tootenghville High School Football. Staten Island, New York.

Grants

2016 AOSSM/SANOFI OSTEOARTHRITIS GRANT (50.000 US$) "Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in an Equine Animal Model" PI.

2016 AOSSM Biologic II Research Grant. (250K). A Novel Transchondral Microfracture Technique for Chondral Flap Lesions in a Goat Animal Model. PI. Under Review.

2016 Department of Defense "Arthroscopic 3D Printing of Cell-Laden Structures for Osteochondral Regeneration." Co PI. Under Review.

2016 R21 NIH "Site-specific immobilization of TGF-□3 for tissue engineering. Co PI. Under Review.

2015 Research CU Orthopedic Grant (20.000 US$) "Cartilage Repair by Transplantation of Mesenchymal Stem Cells (MSCs) delivered in a Chondroitin Sulfate/PEG Hydrogel for Chondral Defects in a Rabbit Animal Model". PI **.**

2015 R21 NIH Grant: Arthroscopic 3D Printing of Cell-Laden Structures for Osteochondral Regeneration. Co PI. Under Review.

2007-2008 Larramendi Grant. "Damage and repair in cartilage acute trauma model". **Madrid, Spain. Mapfre Fundation (20,000 Euros).** PI.

Courses

2015 AAOS/OREF/ORS Clinician Scholar Career Development Program. Rosemont, Chicago Sept 17-19.

2015 AAOS/AOSSM/POSNA/AAHKS/ Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation Disorder. July 23-24. Rosemont, Chicago.

2015 ORS/OREF/AAOS New Investigator Workshop Program, Rosemont, Chicago, May 15-16, 2015.

2015 Writing/Designing NIH Proposals Workshop, University of Colorado Boulder. April 3rd.

2015 AOSSM. Hip Surgical Skills Course, Rosemont Chicago. April 10-12th.

2015 Medical and Scientific Writers' Workshop. HSS Course, NY-NY.

2014 5th ICRS Laboratory Skills Course for Translational Science "Animal Models" Hands-on Course & Lectures "From the Lab to the Clinic" Fort Collins, CO.

Journal Reviewer

BMC Musculoskeletal Disorders Journal
Knee Surgery Sports Traumatology Arthroscopy
International Orthopedics
Sports Medicine and Arthroscopy Review
International Journal of Shoulder Surgery
Journal of Orthopedic Research
Journal of Pain Research
ORS Abstracts reviewer
ISAKOS Journal Reviewer
American Journal of Sports Medicine

Abstract Reviewer

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