



**Cecilia Pascual-Garrido**

Department of Orthopaedic Surgery  
Adult Reconstruction and Young Adult Hip Service  
Washington University School of Medicine  
660 South Euclid Avenue, Campus Box 8233  
St Louis, MO 63110  
Cell: 720-759-8093  
Office: 314-747-3580  
**Email: cpascualgarrido@wustl.edu**

**ACADEMIC POSITION/EMPLOYMENT:**

2016-Present            Assistant Professor (Tenure Track)  
Hip Preservation and Adult Reconstruction  
Department of Orthopaedic Surgery/Washington University, St. Louis, MO  
December 2016-Present

**PREVIOUS EMPLOYMENT:**

2014-2016            Assistant Professor  
Hip Preservation Center  
University of Colorado Hospital  
Aurora, CO  
August 2014-December 2016

**EDUCATION:**

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

2002-2007            Residence in Orthopedic  
Hospital Italiano  
Buenos Aires, Argentina

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

2008-2009            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

2010-2011            Sports Fellowship  
Barton Lake Tahoe Orthopedic Sports Medicine Fellowship

Lake Tahoe, CA

- 2011-2012 Sports and Shoulder Surgery Fellowship  
HSS (Hospital for Special Surgery)  
New York, NY
- 2012-2013 Adult Reconstruction Fellowship  
University of Colorado Hospital  
Aurora, CO
- 2013-2014 Hip Preservation Center  
Fellow Instructor  
University of Colorado Hospital  
Aurora, CO
- 2015-Present PhD Student  
Universidad Catolica- Buenos Aires, Argentina  
“Cartilage Repair with MSCs delivered in a Novel Hydrogel”
- 2016-2017 ANCHOR Travelling Award Fellowship  
Washington University (Dr. Clohisy)  
Mayo Clinic (Dr. Trousdale and Dr. Sierra)  
Boston Children’s Hospital at Harvard (Dr. Millis, Kim and Novias)

**PROFESSIONAL SOCIETIES AND MEMBERSHIPS:**

Education and Meeting Deputy Chair of ICRS  
Associate Member of AOSSM  
Associate Member of AAOS  
Active Member of ORS  
Active Member of ISHA  
Active Member of ISAKOS  
Associate Member of AAHKS  
Invited Member ANCHOR

**COMMITTEE AND SERVICE RESPONSIBILITIES:**

- 2015 COMIRB Panel Reviewer at University of Colorado
- 2015-2016 AAOT International Scientific Committee
- 2015-2016 ICRS Educational Committee
- 2015- 2019 AOSSM Research Committee
- 2016 ORS “How to Engage Orthopedic Surgeons-Short Term Project”
- 2016-2017 Co-Chair ICRS Educational Committee
- 2016-2017 ORS Nominating Committee

**CERTIFICATION:** United States Medical Licensing Certificated. ECFMG Certified.

- 2006 Step 2 CK: Pass
- 2007 Step 1: Pass
- 2007 Step 2 CS: Pass

2009 Step 3: Pass

**LICENSURE:**

Nevada  
California  
New York  
Colorado  
Missouri

**TEACHING LECTURES:**

2009 ICRS. Treatment of Chondral Defects of the Knee. Florida.

2014 Hip Preservation Course. AAOT (Asociacion Argentina de Ortopedia y Traumatologia). Buenos Aires, Argentina.

2014 AOSSM ICL Course. The Active Hip – From Hip Dysplasia to FAI and In-Between: An Approach to Open and Arthroscopic Management. Seattle, WA.

2014 Hip Dysplasia in Active Patients. Barton Memorial Hospital. South Lake Tahoe, CA.

2015 ICRS. Moderator Hip Cartilage Session. Chicago, IL May 8-13.

2016 Vail Scientific Summit: Engaging the Greatest Minds in Regenerative Medicine and Science. “Novel Scaffolds, Bioprinting in Orthopedics.”

2016 Treatment of Hip and Knee disorders Course. Washington University in St Louis. Cartilage Damage and Regenerations Options in the Hip. St. Louis, MO November 19.

2016 ORS. Cartilage Healing and Gene Therapy Moderator. Orlando, FL.

2016 ISHA ICL Course: Treatments for Femoral Head Cartilage Management: Results & Tricks: OATS, MACI, MCFX, Cells.

2016 Cartilage Repair in the Hip. Fukuoka, Department of Orthopedics, Wakamatsu Hospital for the University of Occupational and Environmental Health. Japan 2016.

2016 AOSSM Annual Meeting. Leader Faculty. ICL Course. Biologics Treatments for Orthopedics Injuries.

2016 Treatment of Hip and Knee disorders Course. Washington University in St Louis. Hip Resurfacing. St. Louis, MO November 19.

## **AWARDS AND HONORS:**

- 2005 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.
- 2006 Prof. Dr. Carlos Ottolenghi Research Award. Increased Chondrogenic Capacity of Periosteum Supplemented with Chondrocytes. A Rabbit Model Animal.
- 2006 SICOT 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.
- 2007 Prof. Dr. Carlos Ottolenghi Research Award. Inoculation of Progenitors Cells in Hip Osteonecrosis - A Study in a Rabbit Model.
- 2015 Sponsored guest by AAOS/ORS for the Biological Treatments for Orthopedics Injuries Research (BTOI) Symposium. Rosemont, Chicago November 5-7.
- 2015 AAOS/OREF/ORS Clinician Scholar Career Development Program. Rosemont, Chicago September 17-19.
- 2016 The William Harris Career Development Award in Hip Preservation. ANCHOR Group. Washington University.
- 2016 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.
- 2018 AAOS 2018 Award of Excellence. The Young Adult Hip: A Contemporary Approach to the Pre-Arthritic Hip Disease. New Orleans, LA. March 6-10.

## **GRANTS:**

- 2007-2008 Larramendi Grant. Damage and Repair in Cartilage Acute Trauma Model. Madrid, Spain. Mapfre Foundation (20,000 Euros). PI.
- 2015 R21 NIH Grant. Arthroscopic 3-D Printing of Cell-Laden Structures for Osteochondral Regeneration. Co-PI. Under Review.
- 2015 Research CU Orthopedic Grant. Cartilage Repair by Transplantation of Mesenchymal Stem Cells (MSCs) Delivered in a Chondroitin Sulfate/PEG Hydrogel for Chondral Defects in a Rabbit Animal Model. (20,000 US\$) PI.

- 2016 R21 NIH. Site-specific Immobilization of TGF- $\beta$ 3 for Tissue Engineering. Co-PI. Under Review.
- 2016 Department of Defense. Arthroscopic 3D Printing of Cell-Laden Structures for Osteochondral Regeneration. Co-PI. Under Review.
- 2016 Zimmer-Biomet. Post-Market Data Collection for Biologically Assisted Core Decompression of the Femoral Head using the Perfuse Instrument and Bio-Cue. (250,000 US\$) PI.
- 2016 AOSSM/Sanofi Osteoarthritis Grant. Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in an Equine Animal Model. (50,000 US\$) PI.
- 2017 MRC JIT Grant. Intraarticular Inflammation in Patients with Hip Dysplasia and Femoroacetabular Impingement. (3,500 US\$) PI.
- 2018 MRC Grant. Muscle Performance after Periacetabular Osteotomy for Hip Dysplasia. (40,000 US\$).
- 2018 OREF/Goldberg Research Grant in Arthritis. Intraarticular Metabolic Activity in the Pre-Osteoarthritic Hip. (50,000 US\$) PI.

## BIBLIOGRAPHY

### PEER-REVIEWED PUBLICATIONS:

1. **Pascual-Garrido C.** Periprosthetic Interphase on Femoral Stem and Acetabular Cemented Hip Prosthesis Revision. Vol.1, 2 & 3 in Patología del Aparator Locomotor. (Spain).
2. **Pascual-Garrido C.** An Experimental Non-Union Rat Model. Revista AAOT (Argentina). March 1:87-93.
3. **Pascual-Garrido C.** Prospective Analysis of Ottawa Ankle Rules. Revista AAOT (Argentina). June 2:150-154.
4. **Pascual-Garrido C.** Tibial Pilon Fractures: Minimal Invasive Osteosynthesis Procedure. Revista AAOT (Argentina) November: 125-136.
5. Caviglia H, **Pascual-Garrido C**, Palazzi FF, Meana NV. Pediatric Fractures of the Humerus. Clin Orthop Relat Res. 2005 Mar;(432):49-56.
6. Makino A, Aponte Tino L, Ayerza MA, **Pascual-Garrido C**, Costa Paz M, Muscolo DL. Anatomic Double-Bundle Posterior Cruciate Ligament Reconstruction Using Double-Double Tunnel with Tibial Anterior and Posterior Fresh-Frozen Allograft. Arthroscopy. 2006 Jun;22(6):684.e1-5.
7. **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.

8. **Pascual-Garrido C**, McNickle AG, Cole BJ. Surgical Treatment Options for Osteochondritis Dissecans of the Knee. *Sports Health Journal*. 2009 Jul;1(4):326-334.
9. **Pascual-Garrido C**, Hakimiyan A, Rappaport L, Oegema T, Wimmer M, Chubinskaya S. Anti-Apoptotic Treatments Prevent Cartilage Degradation After Acute Trauma to Human Ankle Cartilage. *Osteoarthritis Cartilage*. 2009 Sep;17(9):1244-1251.
10. Grumet RC, **Pascual-Garrido C**, Kirk SS, McNickle AG, Cole BJ, Bach BR. Patología Articular y Meniscal Asociada con la Reconstrucción Primaria del Ligamento Cruzado Anterior. *Trauma*; 2009 June;20(2):116-125.
11. Cole BJ, **Pascual-Garrido C**, Grumet RC. Surgical Management of Articular Cartilage Defects of the Knee. *Journal Bone Joint Surgery*. 2009 July;91(7):1778-1790.
12. **Pascual-Garrido C**, Mc-Nickle A, Cole BJ. Tratamiento Quirúrgico de la Osteochondritis Disecante de Rodilla. *Revista Argentina de Artroscopia*. 2009 Mayo, Vol 16.
13. **Pascual-Garrido C**, Slabaugh MA, L'Heureux DR, Friel NA, Cole BJ. Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation: Prospective Evaluation at Average 4-Year Follow-up. *American Journal Sport Med*. 2009 Nov;37 Suppl 1:33S-41S.
14. **Pascual-Garrido C**, Friel NA, Kirk SS, McNickle A, Bush-Joseph C, Verma NN, Bach BR, Cole BJ. Midterm results of Surgical Treatments for Adult Osteochondritis Dissecans of the Knee. *American Journal Sport Med*. 2009 Nov;37 Suppl 1:125S-30S.
15. **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*. 2010 Aug;34(6):827-31.
16. Cole BJ, **Pascual-Garrido C**, Grumet RC. Surgical management of Articular Cartilage Defects in the Knee. *JBJAS AM. Instr Course Lect*. 2010;59:181-204.
17. Bajaj S, Shoemaker T, Hakimiyan A, Rappoport L, **Pascual-Garrido C**, Oegema TR, Wimmer MA, 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.
18. Makino A, **Pascual-Garrido C**, Tanoira I, Rolon A, Isola M, Muscolo DL. Mucoïd Degeneration of the Anterior Cruciate Ligament. MRI, Clinical, Intraoperative and Histological Findings. *Knee Surg Sports Traumatology*. 2011 Mar;19(3):408-11.
19. **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.
20. **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.
21. Nemani VM, Frank RM, Reinhardt KR, **Pascual-Garrido C**, Yanke AB, Drakos M, Warren RF. Popliteal Venotomy During Posterior Cruciate Ligament Reconstruction in the Setting of a Popliteal Artery Bypass Graft: A Case Report. *Arthroscopy*. 2012 Feb;28(2):294-9.

22. Ghodadra N, Mall NA, Karas V, Grumet RC, Kirk S, McNickle AG, **Pascual-Garrido C**, Cole BJ, Bach BR Jr. Articular and Meniscal Pathology Associated with Primary Anterior Cruciate Ligament Reconstruction. *J Knee Surg.* 2013 Jun;26(3):185-93.
23. **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.
24. **Pascual-Garrido C**, Green D, Cole BJ. Surgical Osteochondritis Dissecans of the Knee in Children and Adolescents. *Current Opinion in Pediatrics.* 2013 Feb;25(1):46-51.
25. **Pascual-Garrido C**, Carbo L, Makino A. Revision of Anterior Cruciate Ligament Reconstruction with Allografts in Patients Younger Than 40 Years Old: A 2 to 4 Year Result. *Knee Surg Sports Traumatol Arthrosc.* 2014 May;22(5):1106-11.
26. Angeline ME, Ma R, **Pascual-Garrido C**, Voigt C, Deng, XH, Warren RF, Rodeo SA. The Effect of Diet-Induced Vitamin D Deficiency on Rotator Cuff Healing in a Rat Model. *Am J Sports Med.* 2014 Jan;42(1):27-34.
27. Mei-Dan O, **Pascual-Garrido C** et al. Inside Out: A Novel Labral Repair and Advancement Technique. *Arthrosc Tech.* 2014 Mar 21;3(2):e241-4.
28. Mei-Dan O, McConkey MO, Bravman JT, Young DA, **Pascual-Garrido C**. Percutaneous Derotational Femoral Osteotomy for Excessive Femoral Torsion. *Orthopedics.* 2014 Apr;37(4):243-9.
29. Moran CJ, **Pascual-Garrido C**, Chubinskaya S, Potter HG, Warren RF, Cole BJ, Rodeo SA. Restoration of Articular Cartilage. *JBJS Am. J Bone Joint Surg Am.* 2014 Feb 19;96(4):336-44.
30. **Pascual-Garrido C**, McConkey MO, Young DA, Bravman JT, Mei-Dan O. Can Hip Arthroscopy be Performed with Conventional Knee-Length Instrumentation? *Arthroscopy.* 2014 Dec;30(12):1588-94.
31. Nacius LA, **Pascual-Garrido C**, Sagiv P, Mei-Dan O. Skin Closure After Arthroscopy Utilizing a Pull-Out Bow-Tie Subcuticular Suture. *Muscles Ligaments Tendons J.* 2015 Feb 5;4(4):404-6.
32. Chahla J, **Pascual-Garrido C**, Rodeo SA. Ligament Reconstruction in Congenital Absence of the Anterior Cruciate Ligament: A Report of Two Cases. *HSS J.* 2015 Jul;11(2):177-81.
33. Mei-Dan O, **Pascual-Garrido C**, Moreira B, McConkey MO, Young DA. The Role of Hip Arthroscopy in Investigating and Managing the Painful Hip Resurfacing Arthroplasty. *Arthroscopy.* Nov. S0749-8063(15)00707-0.
34. Chadayammuri V, Garabekyan T, Jesse MK, **Pascual-Garrido C**, Strickland C, Milligan K, Mei-Dan O. Measurement of Lateral Acetabular Coverage: A Comparison Between CT and Plain Radiography. *Journal of Hip Preservation Surgery.* 2015 2(4):392-400.
35. Moreira B, **Pascual-Garrido C**, Chadayamurri V, Mei-Dan O. Eversion-Inversion Labral Repair and Reconstruction Technique for Optimal Suction Seal. *Arthrosc Tech.* 2015 Nov 16;4(6):e697-700

36. Mei-Dan O, Garabekyan T, McConkey M, **Pascual-Garrido C**. Arthroscopic Anterior Capsular Reconstruction of the Hip for Recurrent Instability. *Arthrosc Tech*. 2015 Nov 16;4(6):e711-5.
37. 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.
38. Chahla J, Dean CS, **Pascual-Garrido C**. Proximal Rectus Femoris Avulsion Repair. *Arthroscopy Techniques*. 2016 May 30;5(3):e545-9.
39. **Pascual-Garrido C**, Morris BL, Dayton MR. Clinical and Functional Outcomes of the Birmingham Hip Resurfacing System. *Orthopedics*. 2016 Mar-Apr;39(2):e236-9.
40. Garabekyan T, Chadayammuri V, **Pascual-Garrido C**, Mei-Dan O. All Arthroscopic Ligamentum Teres Reconstruction with Graft Fixation at the Femoral Head- Neck Junction. *Arthroscopy Techniques*. February 2016 Feb 15;5(1):e143-7.
41. **Pascual-Garrido C**, Schrock JB, Mitchell JJ, Camino Willhuber G, Mei-Dan O, Chahla J. Arthroscopic Fixation of Os Acetabuli Technique: When to Resect and When to Fix. *Arthroscopy Techniques*. 2016 Oct 10;5(5):e1155-e1160.
42. Chahla J, Dean CS, Moatshe G, **Pascual-Garrido C**, Serra Cruz R, LaPrade RF. 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.
43. Chahla J, Dean CS, **Pascual-Garrido C**. Core Decompression Augmented with Autologous Bone Marrow Aspiration Concentrate for Early Avascular Necrosis of the Femoral Head. *Arthroscopy Techniques*. 2016 Jun 13;5(3):e615-20.
44. Chahla J, LaPrade RF, Mardones R, Huard J, Philippon MJ, Nho S, Mei-Dan O, **Pascual-Garrido C**. Biological Therapies for Cartilage Lesions in the Hip: A New Horizon. *Orthopedics*. 2016 Jul 1;39(4):e715-23.
45. Garabekyan T, Ashwell ZR, Chadayammuri V, Jesse MK, **Pascual-Garrido C**, Petersen B, Mei-Dan O. Lateral Acetabular Coverage Predicts Size of the Hip Labrum. *AJSM (American Journal Sports Medicine)*. 2016 Jun;44(6):1582-9.
46. **Pascual-Garrido C**, Angeline ME, Chahla J, Voigt C, Deng XH, Nguyen J, Warren RF, Rodeo SA. Low levels of Vitamin D Have a Deleterious Effect on the Articular Cartilage in a Rat Model. *HSS Journal*. 2016 Jul;12(2):150-7.
47. Chahla J, Olivetto J, Mei-Dan O, **Pascual-Garrido C**. Terapias Biologicas de las Lesiones del Cartilago de la Cadera. *Revista Latinoamericana de Cirugia Ortopedica*. 2016 (1):37-46.
48. Dallo I, Chahla J, Mitchell JJ, **Pascual-Garrido C**, Feagin JA, LaPrade RF. Biologic Approaches for the Treatment of Partial Tears of the Anterior Cruciate Ligament. *OJSM*. 2017 Jan 25;5(1):2325967116681724.
49. Chahla J, Piuze NS, Mitchell JJ, Dean CS, **Pascual-Garrido C**, LaPrade RF, Muschlet GF. Intra-articular Cellular Therapy for Osteoarthritis and Focal Cartilage Defects of the Knee: A



- Systematic Review of the Literature and Study Quality Analysis. *J Bone Joint Surg Am.* 2016 Sep 21;98 (18):1511-21.
50. **Pascual-Garrido C**, Daley E, Verma, NN, Cole BJ. A Comparison of the Outcomes for Cartilage Defects of the Knee Treated with Biologic Resurfacing versus Focal Metallic Implants. *Arthroscopy.* 2017 Feb;33(2):364-373.
  51. **Pascual-Garrido C**, Hao J, Schrock J, Mei-Dan O, Chahla J. Arthroscopic Juvenile Allograft Cartilage Implantation for Cartilage Lesions in the Hip. *Arthroscopy Techniques.* 2016 Aug 22;5(4):e929-e933.
  52. Chahla J, Olivetto J, **Pascual-Garrido C**. Terapias Biologicas para el Tratamiento de las Lesions del Cartilago de la Cadera. *Revista Latinoamericana de Ortopedia.* 2016 Jan-March;1(1):37-46.
  53. Kraeutler MJ, Chahla J, Dean CS, Mitchell JJ, Pinney SJ, **Pascual-Garrido C**. Current Concepts Review Update: Osteochondral Lesions of the Talus. *Foot Ankle Int.* 2017 Mar;38(3):331-342.
  54. Kraeutler MJ, Garabekyan T, **Pascual-Garrido**, Mei-Dan O. Ligamentum Teres Tendinopathy and Tears. *Muscles, Ligaments Tendons J.* 2016 Dec 21;6(3):337-342.
  55. Kraeutler MJ, Garabekyan T, **Pascual-Garrido C**, Mei-Dan O. Hip Instability: A review of Hip Dysplasia and other Contributing Factors. *Muscles, Ligaments Tendons J.* 2016 Dec 21;(3):343-353.
  56. Ashwell ZR, Flug J, Chadayammuri V, **Pascual-Garrido C**, Garabekyan T, Mei-Dan O. Lateral Acetabular Coverage as a Predictor of Femoroacetabular Cartilage Thickness. *J of Hip Preserv Surg.* 2016 November 10;3(4):262-269.
  57. 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 Nov 29;39(6):e1165-e1169.
  58. Kraeutler MJ, Kaenkumchorn T, **Pascual-Garrido C**, Wimmer MA, Chubinskaya S. Peculiarities in Ankle Cartilage. *Cartilage.* 2017 Jan;8(1):12-18.
  59. Rodriguez-Fontan F, Chahla J, Piuze NS, Payne K, Muschler GF, LaPrade RF, **Pascual-Garrido C**. Celulas Madre y Progenitora Para la Reparacion del Cartilago Articular. *Rev Latinoam, Cir Orthop.* 2016 April-June;1(2):66-76.
  60. Rodriguez-Fontan, Piuze NS, Chahla J, Payne K, LaPrade RF, Muschler GF, **Pascual-Garrido C**. Stem and Progenitor Cells for Cartilage Repair: Source, Safety, Evidence and Efficacy. *Operative Techniques in Sports Medicine.* 2017 March 25(1):25-33.
  61. Piuze NS, Chahla J, Schrock J, LaPrade RF, **Pascual-Garrido C**, Mont MA, Muschler GF. Evidence for the Use of Cell-Based Therapy for the Treatment of Osteonecrosis of the Femoral Head: A Systematic Review of the Literature. *J Arthroplasty.* 2017 May;32(5):1698-1708.

62. Hatakeyama A, Uchida S, Utsunomiya H, **Pascual-Garrido C**, Sekiya H. Isolation and Characterization of Synovial Mesenchymal Stem Cell Derived from Hip Joints: A Comparative Analysis with a Matched Control Knee Group. *Stem Cells International*. 2017 Jan;1(6).
63. Kraeutler MJ, Mitchell J, Chahla J, McCarty E, **Pascual-Garrido C**. Intra-articular implantation of Mesenchymal stem cells, Part 1. A review of the Literature in Prevention of Post-Meniscectomy OA. *Orthop J Sports Med*. 2017 Jan 19;5(1):2325967116680815.
64. Kraeutler MJ, Mitchell JJ, Chahla J, McCarty EC, **Pascual-Garrido C**. Intra-articular Implantation of Mesenchymal Stem Cells, Part 2. A Review of the Literature for Meniscal Regeneration. *Orthop J Sports Med*. 2017 Jan 19;5(1):2325967116680814.
65. Dallo I, Chahla J, **Pascual-Garrido C**, Feagan JA, LaPrade RF. Biological Approaches for the Treatment of Partial Tears of the Anterior Cruciate Ligament. *Current Concepts Review. Orthop J Sports Med*. 2017 Jan 25;5(1):2325967116681724.
66. **Pascual-Garrido C**, Harris M, Clohisy JC. Innovations in Joint Preservation Procedures for the Dysplastic Hip "The Periacetabular Osteotomy." *J Arthroplasty*. 2017 Feb14.
67. Chahla J, Sanchez G, Moatshe G, Richards A, Van der Walt C, **Pascual-Garrido C**. Vascular Coloration for Anatomical Study of the Pelvis and Hip: Implications in Hip Preservation Surgery. *Arthrosc Tech*. 2017 Feb;6(1):e133-e136.
68. Uchida S, **Pascual-Garrido C**, Ohnishi Y, Utsunomiya H, Yukizawa Y, Chahla J, Sakai A. Arthroscopic Shoelace Capsular Closure Technique in the Hip Using Ultratape. *Arthroscop Tech*. 2017, Feb;6(1):157-161.
69. Uchida S, Utsunomiya H, Honda E, Kanezaki S, Nakamura E, **Pascual-Garrido C**, Sakai A. Arthroscopic Osteochondral Autologous Transplantation for the Treatment of Osteochondritis Dissecans of the Femoral Head. *SICOT J*. 2017;3:18. doi: 10.1051/sicotj/2016044. Epub 2017 Mar 6.
70. Piuze NS, Chahla J, Jiandong H, Chughtai M, LaPrade RF, Mont MA, Muschler GF, **Pascual-Garrido C**. Analysis of Cell Therapies Used in Clinical Trials for the Treatment of Osteonecrosis of the Femoral Head: A Systematic Review of the Literature. *J Arthroplasty*. 2017 Mar 15. pii: S0883-5403(17)30195-X.
71. Kraeutler MJ, Anderson J, Chahla J, Mitchell JJ, Thompson-Etzel R, Mei-Dan O, **Pascual-Garrido C**. Returning to Running After Arthroscopic Hip Surgery: Literature Review and Proposal of a Physical Therapy Protocol. *Journal of Hip Preservation Surg*. 2017 Apr 11;4(2):121-130.
72. Ohnishi Y, **Pascual-Garrido C**, Kumagae H, Sakai A, Uchida S. Arthroscopic Technique for Isolated Posterolateral Rotational Instability of the Knee. *Arthrosc Tech*. 2017 Mar 6;6(2):e291-e295.
73. Kraeutler MJ, Chahla J, LaPrade RF, **Pascual-Garrido C**. Biologic Options for Articular Cartilage Wear (Platelet-Rich Plasma, Stem Cells, Bone Marrow Aspirate Concentrate). *Clin Sports Med*. 2017 Jul;36(3):457-468.

74. **Pascual-Garrido C**, Rodriguez-Fontan F, Bryant SJ, Aisenbrey EA, Chahla J, Payne KA, Goodrich LR. Mesenchymal Stem Cells (MSCs) Delivered in a Novel Hydrogel for the Treatment of Chondral Defects in a Rabbit Animal Model. *Journal of Orthopaedic Research*. 2017 35; Supplement 1.
75. Rodriguez-Fontan F, Payne KA, Chahla J, Mei-Dan O, Richards A, Uchida S, **Pascual-Garrido C**. Viability and Tissue Quality of Cartilage Flaps from Patients with Femoroacetabular Hip Impingement. *Orthopaedic Journal of Sports Medicine*. 2017.
76. Moatshe G, Morris ER, Cinque ME, **Pascual-Garrido C**, Chahla J, Engebretsen L, Laprade RF. Biological Treatment of the Knee with PRP or Bone Marrow Aspirate Concentrates. *Acta Orthopadica*. 2017 Dec;88(6):670-674.
77. Chahla J, Rodeo S, **Pascual-Garrido C**. Minimally Invasive Anatomical Reconstruction of Posteromedial Corner of Knee: A Cadaveric Study. *The American Journal of Orthopedics*. 2017 Nov./Dec.
78. **Pascual-Garrido C**, Guilak F, Rai MF, Harris MD, Lopez MJ, Todhunter RJ, Clohisy JC. Canine Hip Dysplasia: A Natural Model for Human Developmental Dysplasia of the Hip. *Journal of Orthopaedic Research*. 2017 December 11;doi 1.1002/jor.23828. [Epub ahead of print]. PMID: 29227567.
79. Aisenbrey EA, Tomasschke A, Kleinjan E, Muralidharan A, **Pascual-Garrido C**, McLeod RR, Ferguson VL, Bryant SJ. A Stereolithography-Based 3-D Printed Hybrid Scaffold for In Situ Cartilage Defect Repair. *Macromolecular Bioscience Journal*. 2017 December 21;doi: 10.1002/mabi.201700267. [Epub ahead of print]. PMID: 29266791.
80. **Pascual-Garrido C**, Rodriguez-Fontan F, Aisenbrey E, Payne K, Chahla J, Goodrich L, Bryant S. Current and Novel Injectable Hydrogels to Treat Focal Chondral Lesions: Properties and Applicability. *Journal of Orthopaedic Research*. 2018 Jan;36(1):64-75. doi: 10.1002/jor.23760. Epub 2017 Nov 22. PMID: 28975658
81. Hellman MD, Nepple JJ, **Pascual-Garrido C**, ANCHOR Group. Acetabular Focal Chondral Lesions Are Not Associated With Worse Outcomes After Periacetabular Osteotomy: A Matched Group Analyses. *J Arthroplasty*. 2018 Mar 14. pii: S0883-5403(18)30246-8. doi: 10.1016/j.arth.2018.03.008. [Epub ahead of print].
82. Grammatopoulos G, Beaulé PE, **Pascual-Garrido C**, Nepple JJ, ANCHOR Group, Clohisy JC. Does Severity of Acetabular Dysplasia Influence Clinical Outcomes After Periacetabular Osteotomy?-A Case-Control Study. *J Arthroplasty*. 2018 Mar 17. pii: S0883-5403(18)30286-9. doi: 10.1016/j.arth.2018.03.028. [Epub ahead of print].
83. Uchida S, Shimizu Y, Yukizawa Y, Suzuki H, **Pascual-Garrido C**, Sakai A. Arthroscopic Management for Acetabular Rim Stress Fracture and Osteochondritis Dissecans in the Athlete With Hip Dysplasia. *Arthrosc Tech*. 2018 Apr 23;7(5):e533-e539. doi: 10.1016/j.eats.2018.01.007. eCollection 2018 May.
84. Rodriguez-Fontan F, Piuze NS, Kraeutler MJ, **Pascual-Garrido C**. Early Clinical Outcomes of Intraarticular Injections of the Bone Marrow Aspirate Concentrate for the Treatment of Early Osteoarthritis of the Hip and Knee: A Cohort Study. *PM&R Journal*. 2018 May 29. doi: 10.1016/j.pmrj.2018.05.016. [Epub ahead of print].

85. Lamplot JD, Schoenecker PL, **Pascual-Garrido C**, Nepple JJ, Clohisy JC. Open Reduction and Internal Fixation for the Treatment of Symptomatic Osteochondritis Dissecans of the Femoral Head in Patients with Sequelae of Legg-Calvé-Perthes Disease. *J Pediatr Orthop*. 2018 May 29. doi: 10.1097/BPO.0000000000001192. [Epub ahead of print].

**SUBMITTED FOR PUBLICATION (IN PRESS):**

1. Rodriguez-Fontan F, **Pascual-Garrido C**. Hidrogeles de Formacion In Situ e Hidrogeles tri-Dimensionales: Fuentes Potenciales para la Regeneracion de Cartilage Articular. *SLAOT In Review* 2017.
2. **Pascual-Garrido C**, Aisenbrey EA, Rodriguez-Fontan F, Payne KA, Bryant SJ, Goodrich LR. Photopolymerizable Injectable Cartilage Hydrogel for the Treatment of Focal Chondral Lesions: A Proof of Concept Study in a Rabbit Animal Model. *American Journal of Sports Medicine*. In Review 2018.
3. Li D, **Pascual-Garrido C**, Abu-Amer W, Yanik E, Clohisy JC. PROMIS Pain and Physical Function: An Innovative and Contemporary Outcome Measure in Patients Following Periacetabular Osteotomy. *Journal of Bone and Joint Surgery*. In Review 2018.
4. DeDeugd CM, **Pascual-Garrido C**, Clohisy JC, Nepple JJ, Sierra RJ. The Addition of Hip Arthroscopy to PAO Does Not Increase Complications Rates: A Prospective Case Series. *American Journal of Sports Medicine*. In Review 2018.
5. **Pascual Garrido C**, Duncan S, Pashos G, Schoenecker PL, Clohisy JC. Concurrent Femoral Head Reduction and Periacetabular Osteotomies for the Treatment of Severe Femoral Head Deformities. *The Bone and Joint Journal*. In Review 2018.
6. Haynes JA, **Pascual-Garrido C**, An T, Nepple JJ, ANCHOR Study Group, Clohisy JC. Trends of Hip Arthroscopy in the Setting of Acetabular Dysplasia. *Journal of Bone and Joint Surgery*. In Review 2018.
7. Wasco MK, Yanik E, **Pascual Garrido C**, Clohisy Jc. Psychometric Properties of Patient-Reported Outcome Measures for the Periacetabular Osteotomy. *Journal of Bone and Joint Surgery*. In Review 2018.

**BOOK EDITOR:**

1. Jorge Chahla, Justin Mitchell, **Cecilia Pascual-Garrido** and Mark Philippon. *Hip Arthroscopy. From Basic Skills to Advanced Techniques*. 2016.

**BOOK CHAPTERS:**

1. **Pascual-Garrido C**. Results and Complications on Knee Revision Surgery. Ortego Andreau; Rodriguez-Merchan and Alonso Carro. *Revision Arthroplasty of the knee*. Editorial Panamericana (Spain) Chapter 17. 2001.
2. **Pascual-Garrido C**. Synoviorthesis in Patients with High Responder Inhibitors. Rodriguez-Merchan EC and Lee CA. *Inhibitors in Patients with Hemophilia*. Blackwell Science (England). Chapter 9: 124-129. 2002.

3. **Pascual-Garrido C.** Tissue Engineering for Articular Cartilage. Regenerative Medicine and Stem Cells (Argentina). Pp: 197-205. From Cell Therapy to Tissue Engineering. Pablo Argibay-Unver Nacional de Quilmes Ed. 2006.
4. Cole BJ, **Pascual-Garrido C**, Grumet RC. Overview and Indications for Articular Cartilage Restoration in Advanced Reconstruction of the Knee, Ed. Lieberman, Berry, Azar. Chapter 53. 2011.
5. Osteochondritis Dissecans. Master Techniques in Orthopaedic Surgery: Sports Medicine. Editor: Freddie H. Fu, M.D. **Pascual-Garrido C**, Slabaugh M, Friel N, Cole BJ. 2011.
6. **Pascual-Garrido C**, Chubinskaya S. Potential Targets for Pharmacological Therapies. Posttraumatic Arthritis: Pathogenesis, Diagnosis and Management. 2015.
7. **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. 2015.
8. Kraeutler MJ, Richards A, Chahla J, LaPrade RF, **Pascual-Garrido C**. Biologic Options for Articular Cartilage Wear. Edited by McCarty. Chapter 4. 2016.
9. **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. Chapter 54. 2016.
10. Yamada K, **Pascual-Garrido C**, Uchida S. Hip Surgery: Tricks of the Trade (ed. Dr. Allston Stubbs). Thieme Publishers. Chapter 16. 2018
11. Engstrom S, Clohisy JC, **Pascual-Garrido C**. Hip Surgery: Tricks of the Trade (ed. Dr. Allston Stubbs). Thieme Publishers. Chapter 46. 2018
12. Edelstein A, Clohisy JC, **Pascual-Garrido C**. Hip Surgery: Tricks of the Trade (ed. Dr. Allston Stubbs). Thieme Publishers. Chapter 47. 2018

#### **PRESENTATIONS:**

1. **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. 2005.
2. **Pascual-Garrido C**, Makino A Stem Cells and ACI Repair Capacity. Histology and MRI Evaluation. 6<sup>th</sup> ICRS Symposium. San Diego, CA. 2006.
3. **Pascual-Garrido C**, Makino A Osteochondral Cylinder Transplantation of the Patella. A Clinical and MRI 3-D Evaluation. 6<sup>th</sup> ICRS Symposium. San Diego, CA. 2006.
4. **Pascual-Garrido C**, Illarramendi A. The effects of Unicortical Osteotomy on Bone Non-Union in a Rat Model. Orthopedics Research Society. Chicago, IL. 2006.
5. **Pascual-Garrido C**, Makino A. Mesenchymal and Autologous Chondrocyte Cell Based Repair of Large Full Thickness Defects of Articular Cartilage. Orthopedics Research Society. Chicago, IL. 2006.

6. **Pascual-Garrido C**, Makino A. Mucoïd Degeneration of the ACL. 4<sup>th</sup> SICOT/SIROT Annual International Conference. Argentina. August 2006.
7. **Pascual-Garrido C**, Makino A. Mesenchymal and Autologous Chondrocyte Cell-Based Repair of Large Full Thickness Defects of Articular Cartilage. 4<sup>th</sup> SICOT/SIROT Annual International Conference. Argentina. August 2006.
8. **Pascual- Garrido C**, Buttarò MA, Piccaluga F. Core Decompression and Autologous Stem Cell Inoculation for the Treatment of Femoral Head Osteonecrosis. Preliminary Study. 4<sup>th</sup> SICOT/SIROT Annual International Conference. Argentina. 2006.
9. **Pascual-Garrido C**. Stem Cells Cartilage Repair Capacity. Cartilage Articular Lesions Meeting. MAPFRE. Spain. 2006.
10. **Pascual-Garrido C**, Makino A. Viability of Lost Intraarticular Knee Fragments. Orthopaedics Research Society. San Diego, CA. 2007.
11. **Pascual- Garrido C**, Makino A. Chondrogenic Potential of Chondrocytes or Fibroblast Inoculated Under Periosteum Flap in a Rabbit Model. 8 EFORT Congress. Florence, Italy. 2007.
12. **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. 2008.
13. **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, CO. 2008.
14. **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. 2008.
15. **Pascual-Garrido C**, Makino A. Viability Assessment of Intraarticular Osteochondral Knee Fragments – Paper. 7<sup>th</sup> Biennial ISAKOS Congress. Osaka, Japan. April 5-9, 2009.
16. **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. 7<sup>th</sup> Biennial ISAKOS Congress. Osaka, Japan. April 5-9, 2009.
17. **Pascual-Garrido C**, Slabaugh M, L'Heureux D, Cole BJ. 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, CO. 2009.
18. **Pascual-Garrido C**, Slabaugh M, L'Heureux D, Cole BJ. Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up. ICRS. Miami, FL. 2009.

19. **Pascual-Garrido C**, Hakimiyan A, Rappaport L, Margulis A, Oegema TR, Wimmer MA, Chubinskaya S. Anti-Apoptotic Treatments Prevent Cartilage Degradation After Acute Trauma to Human Ankle Cartilage. 55th Annual Meeting of the Orthopedics Research Society. Las Vegas, NV. 2009.
20. Bajaj S, Sampath K, **Pascual-Garrido C**, Hirschfeld F, Hakimiyan AA, Rappaport L, Wimmer MA, Oegema TR, Chubinskaya S. P188 Alone or in Combination with OP-1 is Effective in Reducing Cartilage Degeneration and Promoting Cell Survival in the Model of Acute Trauma to Human Ankle Cartilage: The Mechanism of Action. OARSI. 2009.
21. **Pascual-Garrido C**. Surgical Treatment Options for Cartilage Defects in the Knee. Invitation. ICRS. Miami, Florida. 2009.
22. **Pascual-Garrido C**, Cole BJ. 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. ISAKOS. Rio de Janeiro, Brazil. 2011.
23. **Pascual-Garrido C**, Gold S, Angeline ME, Gee AO, Burge AJ, Steele J, Potter HG, Dines JS, Altchek DW. ASES. American Shoulder and Elbow Closed Meeting. Osteochondritis Dissecans of the Glenoid in Overhead Athletes: Clinical and MRI Findings. Sea Island, GA. 2013.
24. **Pascual-Garrido C**, Gold SL, Snikeris J, Burge AJ, Nguyen J, Potter HG, Warren RF, Williams RJ, Rodeo SA. Magnetic Resonance Imaging and Clinical Evaluation of Chondral Lesions Treated with Allografts Juvenile Cells. Podium Presentation. AAOS. 2013.
25. Angeline ME, Ma R, **Pascual-Garrido C**, Voigt C, Deng XH, Warren RF, Rodeo SA. The Effect of Vitamin D Deficiency on Rotator Cuff Healing in a Rat Model. Podium Presentation. AAOS. 2013.
26. **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. ORS. 2013.
27. **Pascual-Garrido C**, Gold SL, Snikeris J, Burge JA, Nguyen J, Potter HG, Warren RF, Williams RJ, Rodeo SA. Magnetic Resonance Imaging and Clinical Evaluation of Chondral Lesions Treated with Allografts Juvenile Cells. Podium Presentation. Finalist at ORS 2013.
28. **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. ICSES. Japan 2013.
29. Ma R, Angeline ME, **Pascual-Garrido C**, Warren RF and Rodeo SA. The Impact of Vitamin D Deficiency on Musculoskeletal Health and Orthopaedic Outcomes. Scientific Exhibit AAOS 2013.
30. **Pascual-Garrido C**, Gold SL, Snikeris J, Burge AJ, Nguyen J, Potter HG, Warren RF, Williams RJ, Rodeo SA. Magnetic Resonance Imaging and Clinical Evaluation of Chondral Lesions treated with allografts juvenile cells. Podium Presentation AOSSM 2013.
31. Viability and Histological Analyses of Chondral Flaps of Patients with FAI Cam Type. ISHA. Rio de Janeiro, Brazil. 2014.

32. Can Hip Arthroscopy be Performed with Conventional Knee Length Instrumentation? ISHA. Rio de Janeiro, Brazil. 2014.
33. Growth Factors Intrinsic to Cartilage Repair. ICRS. Chicago, IL. 2015.
34. 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. Biological Treatments for Sports Injuries. Grant Workshop. Co-Principal Investigator. AOSSM. Orlando, FL. 2015.
35. 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. AOSSM. Orlando, FL. 2015.
36. Biological Treatments for Sports Injuries. Grant Workshop. Principal Investigator. A Novel Transchondral Microfracture Technique for Chondral Bubble Lesions in a Goat Animal Model. AOSSM. Orlando, FL. 2015.
37. Histological and Viability Evaluation of Chondral Flaps of Patients with Cam Type FAI the 10th Biennial ISAKOS Congress. Lyon, France. June 7-11, 2015.
38. 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.
39. Can Hip Arthroscopy be performed with Conventional Knee Length Instrumentation? E-Poster. The 10th Biennial ISAKOS Congress. Lyon, France. June 7-11, 2015.
40. 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.
41. Arthroscopic Combined Ligamentum Teres Reconstruction with Posterior Capsular Re-Insertion for Recurrent Posterior Instability of the Hip. ISHA. Cambridge, England. September 24-26, 2015.
42. Clinical Outcomes of Treatment of Early OA for the Knee and Hip with Bone Marrow Aspirate Concentrate. ICRS. Sorrento Naples, Italy. September 24-27, 2016.
43. Rodriguez-Fontan F, Payne KA, Chahla J, Mei-Dan O, Richards A, Uchida S, **Pascual-Garrido C**. Chondral Flaps in Patients with Femoral Acetabular Impingement Cam Type are Not Suitable for Reattachment and Preservation. ORS 2017 Annual Meeting. San Diego, CA. March 19-22. Poster No. 0489.
44. **Pascual-Garrido C**, Rodriguez-Fontan F, Bryant SJ, Aisenbrey EA, Chahla J, Payne KA, Goodrich LR. Mesenchymal Stem Cell (MSCs) Delivered in a Novel Hydrogel for the Treatment of Chondral Defects in a Rabbit Model. ORS 2017 Annual Meeting. San Diego, CA. March 19-22. Poster No. 2362.
45. **Pascual-Garrido C**, Rodriguez-Fontan F, Bryant SJ, Aisenbrey EA, Chahla J, Payne KA, Goodrich LR. Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel



- Chondroitin Sulfate/Polyethylene Glycol Hydrogel in a Rabbit Animal Model. AOSSM 2017 Annual Meeting Toronto, Canada. July 20-23. Paper 120.
46. Hayes J, **Pascual-Garrido C**, Tonya A, Nepple J, Clohisy, J. Hip Arthroscopy Failure in the Setting of Acetabular Dysplasia: A Concerning Trend? AOSSM Meeting Toronto, Canada. July 20-23. Paper 123.
  47. **Pascual-Garrido C**, Grammatopoulos G, Eamsobhana P, Nepple J, Beaulé P, Clohisy J. Are There Disease-Specific Articular Cartilage Wear Patterns in Various Pre-arthritic Hip Disorders? AAHKS Annual Meeting. Dallas, TX. November 2-5, 2017. Podium Abstract A637.
  48. Hellman M, Nepple J, **Pascual-Garrido C**, Clohisy J. Do Focal Chondral Defects Lead to Worse Outcomes after Periacetabular Osteotomy? AAHKS Annual Meeting. Dallas, TX. November 2-5, 2017. Podium Abstract A1416.
  49. **Pascual-Garrido C**. Ask the Experts Session Non-Arthroplasty. AAHKS Annual Meeting. Dallas, TX. November 3, 2017.
  50. **Pascual-Garrido C**, Eamsobhana, Nepple J, Clohisy J. Does Femoral Version Affect Patient-Reported Outcomes of the Periacetabular Osteotomy for the Treatment of Symptomatic Hip Dysplasia? AAHKS Annual Meeting. Dallas, TX. November 2-5, 2017. Podium Abstract A629.
  51. Rodriguez-Fontan F, Payne KA, Chahla J, Mei-Dan O, Richards A, Uchida S, **Pascual-Garrido C**. Viability and Tissue Quality of Cartilage Flaps from Patients with Femoroacetabular Hip Impingement: Comparison with Matched Controls. SICOT. Cape Town, South Africa. November 30-December 2, 2017.
  52. **Pascual-Garrido C**, Rodriguez-Fontan F, Bryant SJ, Aisenbrey EA, Chahla J, Payne KA, Goodrich LR. Mesenchymal Stem Cell (MSCs) Delivered in a Novel Hydrogel for the Treatment of Chondral Defects in a Rabbit Model. SICOT. Cape Town, South Africa. November 30-December 2, 2017.
  53. **Pascual-Garrido, C**. PAO: Role of Adjunct Procedures. St. Louis Hip Skills Course 2018: Hip Arthroscopy and Preservation Procedures. St. Louis, MO. January 19-20, 2018.
  54. Eamsobhana P, **Pascual-Garrido C**, Nepple J, Crook K, Egan J, Clohisy J. Patients with Sequelae of Slipped Capital Femoral Epiphysis have a Specific Pattern of Cartilage Wear at the Acetabulum and Femoral Head. AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
  55. **Pascual-Garrido C**, Grammatopoulos G, Nepple J, Beaulé P, Clohisy J. The Young Adult Hip: A Contemporary Approach to the Pre-arthritic Hip Disease. AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
  56. **Pascual-Garrido C**, Eamsobhana P, Nepple J, Clohisy J. Does Femoral Version Affect Patient-Reported Outcomes of the Periacetabular Osteotomy for the Treatment of Symptomatic Hip Dysplasia? AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
  57. **Pascual-Garrido C**, Clohisy J, Duncan S, Pashos G, Schoenecker P. Femoral Head Reduction Osteotomy and Concomitant PAO for the Treatment of Sever Femoral Head Deformities. AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.

58. Eamsobhana P, **Pascual-Garrido C**, Nepple J, Crook K, Egan J, Clohisy J. Relative Femoral Neck Lengthening for the Treatment of Complex Proximal Femoral Deformities: Deformity Correction, Complications, Clinical Outcomes and Osteoarthritis Progression. AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
59. Tappa K, Jammalamadaka U, Weisman J, Ballard D, **Pascual-Garrido C**, Woodard P, Mills D. 3D Printing Custom made Implants for Fixation and Local Delivery of Drugs: A New Horizon in Orthopedics Fixation. AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
60. **Pascual-Garrido C**, Grammatopoulos G, Eamsobhana P, Nepple J, Beaulé P, Clohisy J. Are There Disease-Specific Articular Cartilage Wear Patterns in Various Pre-arthritic Hip Disorders? AAOS Annual Meeting. New Orleans, LA. March 6-9, 2018.
61. **Pascual-Garrido C**, Grammatopoulos G, Eamsobhana P, Nepple J, Beaulé P, Clohisy J. Are There Disease-Specific Articular Cartilage Wear Patterns in Various Pre-arthritic Hip Disorders? ORS Annual Meeting. New Orleans, LA. March 10-13, 2018.
62. **Pascual-Garrido, C**. PROMIS versus Legacy Patient Reported Outcomes in Patients Undergoing Surgical Treatment for Developmental Dysplasia of the Hip. ORS Annual Meeting. New Orleans, LA. March 10-13, 2018.
63. Lamplot JD, Schoenecker P, **Pascual-Garrido C**, Nepple J, Clohisy J. Open Reduction and Internal Fixation for Osteochondritis Dissecans of the Femoral Head in Patients with Leff-Calve-Perthes Disease. MAOA Annual Meeting. San Antonio, TX. April 18-22, 2018.
64. Lamplot JD, Schoenecker P, **Pascual-Garrido C**, Nepple J, Clohisy J. Open Reduction and Internal Fixation for Osteochondritis Dissecans of the Femoral Head in Patients with Leff-Calve-Perthes Disease. POSNA Meeting. Austin, TX. May 9-12, 2018.
65. Eamsobhana P, **Pascual-Garrido C**, Nepple J, Crook K, Egan J, Clohisy J. Relative Femoral Neck Lengthening for the Treatment of Complex Proximal Femoral Deformities: Deformity Correction, Complications, Clinical Outcomes and Osteoarthritis Progression. POSNA Meeting. Austin, TX. May 9-12, 2018.
66. Harris MD, **Pascual-Garrido C**. Effects of Dysplastic Pelvis Morphology on Hip Muscle Lines of Action, Moment Arm Lengths, and Contributions to Joint Reaction Forces. American Society of Biomechanics Annual Meeting. Rochester, MN. August 8-11, 2018.

#### **INVITED LECTURES:**

1. Speaker, Cartilage in the Good News – Bad News– Current and Future Products/Therapies Session. ISCT Signature Symposium on Cellular Therapies for Orthopaedics. Montreal, Canada. May 2, 2018.
2. Speaker, PAO: Role of Adjunct Procedures. St. Louis Hip Skills Course 2018: Hip Arthroscopy and Preservation Procedures. St. Louis, MO. January 19-20, 2018.

#### **TEAM COVERAGE:**

2011-2012      Assistant Physician to the Mets. NBL. New York.  
 2011            Assistant Physician in US-Open. Tennis. New York.

2011-2012 Assistant Physician to the Knicks. NBA. New York.  
2011-2012 Physician of Tootenville High School Football. Staten Island, New York.

**COURSES:**

2014 5<sup>th</sup> ICRS Laboratory Skills Course for Translational Science “Animal Models” Hands-on Course & Lectures “From the Lab to the Clinic.” Fort Collins, CO.

2015 Medical and Scientific Writers’ Workshop. HSS Course. New York, New York.

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

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

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

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

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

2017 Surgical Preservation of the Hip: Update 2017. AO North America. Marco Island, Florida. January 17-20.

2017 Hip Arthroscopy and Preservation Procedures: Hip Skills Course. St. Louis, Missouri. February 17-18.

2017 ORS Grant Writing Workshop. Baltimore, Maryland. April 27-29.

2018. Bernese Hip Symposium. Bern, Switzerland, Feb 1-3, 2018.

**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  
Journal of Bone and Joint Disease (American)  
F1000 Prime Associate Faculty Member  
Journal of the American Academy of Orthopaedic Surgeons