

Stanford



Stephanie Pun, MD

Clinical Assistant Professor, Orthopaedic Surgery

CLINICAL OFFICES

- **Stanford Arthritis and Joint Replacement Center**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Pun specializes in the treatment of complex hip disorders with both open and arthroscopic surgical hip preservation options for children, adolescents, and adults. Her goal is to enhance hip function in active individuals and to prevent the early development of hip osteoarthritis. Her areas of expertise are acetabular dysplasia, developmental dysplasia of the hip (DDH), femoroacetabular impingement (FAI), acetabular labral tears, hip cartilage defects, slipped capital femoral epiphysis (SCFE), and deformities of the pelvis and proximal femur.

Dr. Pun received her undergraduate degree from Stanford University and medical degree from UCSF School of Medicine. She then completed the Stanford Orthopaedic Surgery Residency Program and fellowship training in Hip Preservation Surgery at Boston Children's Hospital and Harvard Medical School.

CLINICAL FOCUS

- Child and Adult Hip Preservation Surgery
- Hip Dysplasia
- Periacetabular Osteotomy (PAO) for Acetabular Dysplasia, Acetabular Retroversion, Coxa Protrusio
- Hip Arthroscopy for Femoroacetabular Impingement (FAI), Labral Tears, Hip Cartilage Defects
- Surgical Hip Dislocation
- Pelvic and Femoral Osteotomies
- Slipped Capital Femoral Epiphyses
- Legg-Calve-Perthes Disease
- Orthopaedic Surgery

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Orthopaedic Surgery
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director, Hip Preservation Program at Stanford Children's Health, (2015- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow, American Academy of Orthopaedic Surgeons (AAOS)
- Member, The Hip Preservation Society (ISHA)
- Diplomate, American Board of Orthopaedic Surgery (ABOS)
- Member, Pediatric Orthopaedic Society of North America (POSNA)
- Member, Western Orthopaedic Association (WOA)
- Member, California Orthopaedic Association (COA)

PROFESSIONAL EDUCATION

- Board Certification, Orthopaedic Surgery , American Board of Orthopaedic Surgery (2015)
- Fellowship, Harvard Medical School , Child & Adult Hip Preservation Surgery (2013)
- Residency, Stanford University , Orthopaedic Surgery (2012)
- Internship, Stanford University , Orthopaedic Surgery (2008)
- Medical Education, University of California San Francisco , CA (2007)
- Undergraduate, Stanford University , CA (2003)

COMMUNITY AND INTERNATIONAL WORK

- Operation Rainbow

LINKS

- About Dr. Stephanie Pun: <http://orthodoc.aaos.org/StephaniePun/>
- Dr. Pun's Practice Locations: <https://stanfordhealthcare.org/doctors/p/stephanie-pun.html>
- The Hip Preservation Program at Stanford Children's Health: <http://www.stanfordchildrens.org/en/service/hip-preservation>
- The Stanford Child & Adult Hip Preservation Center: <https://stanfordhealthcare.org/medical-clinics/hip-preservation-center.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Pun's research interests include advancing knowledge of the dynamic pathoanatomy in hip instability and hip impingement, defining the unique anatomy of the dysplastic acetabulum, developing new surgical techniques for improving hip function, educating and advocating for hip dysplasia awareness, and clinical outcomes of hip preservation surgery.

Publications

PUBLICATIONS

- **Is Increased Acetabular Cartilage or Fossa Size Associated With Pincer Femoroacetabular Impingement?** *Clinical orthopaedics and related research*
Pun, S. Y., Hingsammer, A., Millis, M. B., Kim, Y.
2017; 475 (4): 1013-1023
- **Hip dysplasia in the young adult caused by residual childhood and adolescent-onset dysplasia.** *Current reviews in musculoskeletal medicine*
Pun, S.
2016; 9 (4): 427-434

- **CORR Insights®: The 2015 Frank Stinchfield Award: Radiographic Abnormalities Common in Senior Athletes With Well-functioning Hips but Not Associated With Osteoarthritis.** *Clinical orthopaedics and related research*
Pun, S. Y.
2016; 474 (2): 353-356
- **Review: femoroacetabular impingement.** *Arthritis & rheumatology*
Pun, S., Kumar, D., Lane, N. E.
2015; 67 (1): 17-27
- **Nonarthroplasty Hip Surgery for Early Osteoarthritis** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
Pun, S. Y., O'Donnell, J. M., Kim, Y.
2013; 39 (1): 189-?
- **THE LOWER EXTREMITY GRADING SYSTEM (LEGS) TO EVALUATE BASELINE LOWER EXTREMITY PERFORMANCE IN HIGH SCHOOL ATHLETES** *INTERNATIONAL JOURNAL OF SPORTS PHYSICAL THERAPY*
Smith, J., DePhillipo, N., Azizi, S., McCabe, A., Beverine, C., Orendurff, M., Pun, S., Chan, C.
2018; 13 (3): 401-9
- **Successful directional thoracic erector spinae plane block after failed lumbar plexus block in hip joint and proximal femur surgery.** *Journal of clinical anesthesia*
Darling, C. E., Pun, S. Y., Caruso, T. J., Tsui, B. C.
2018; 49: 1-2
- **Reconstruction of both the medial and lateral collateral ligaments in the elbow using a single graft: a new technique of reconstruction.** *Techniques in Shoulder & Elbow Surgery*
Pun, S. Y., Safran, M. R.
2012; 13 (1): 6-10
- **Effect of bupivacaine on chondrocyte viability.** *spine journal*
Dragoo, J. L., Pun, S. Y.
2010; 10 (2): 172-173
- **Effect of Gender and Preoperative Diagnosis on Results of Revision Total Knee Arthroplasty** *Open Scientific Meeting of the Knee-Society*
Pun, S. Y., Ries, M. D.
SPRINGER.2008: 2701-5
- **Periodic rewetting enhances the viability of chondrocytes in human articular cartilage exposed to air** *JOURNAL OF BONE AND JOINT SURGERY-BRITISH VOLUME*
Pun, S. Y., Teng, M. S., Kim, H. T.
2006; 88B (11): 1528-1532
- **Utilization of medical acupuncture at the Stanford University Complementary Medicine Clinic: a two-year retrospective study.** *Medical Acupuncture*
Fredericson, M., Pun, S., Nelson, L., Spiegel, D.
2002; 13 (3)

PRESENTATIONS

- Periacetabular Osteotomy to Antevert and Uncover the Hip in Pincer Femoroacetabular Impingement: An Alternative to Arthroscopy - International Society for Hip Arthroscopy (ISHA) - 2013
- Periacetabular Osteotomy To Antevert And Uncover The Hip: Uncommon Variations On A Common Procedure. - Pediatric Orthopaedic Society of North America (POSNA) - 2013
- "Nearly Radiation-free" Approach to Treatment of Developmental Dislocations of the Hip. - American Academy of Orthopaedic Surgeons (AAOS) - 2011
- Post-reduction DDH Assessment with Non-sedate Rapid Sequence MRI. - Western Orthopaedic Association (WOA) - 2011
- Effect of gender and preoperative diagnosis on results of revision total knee arthroplasty. - American Academy of Orthopaedic Surgeons (AAOS) - 2008
- Periodic rewetting of articular cartilage maintains chondrocyte viability. - Western Orthopaedic Association (WOA) - 2004
- Injury incidence, distribution, and severity during a marathon training season and the implications. - International Society of Biomechanics in Sports - 2001