



Stephanie Pun, MD

Clinical Associate Professor, Orthopaedic Surgery

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Dr. Stephanie Pun is the Director of the Hip Preservation Program at Stanford Children's Health and Clinical Associate Professor of Orthopaedic Surgery at Stanford School of Medicine. She specializes in both open and arthroscopic treatment of complex hip disorders for children and young adults. Her areas of expertise are adult hip dysplasia, infantile developmental dysplasia of the hip (DDH), femoroacetabular impingement (FAI), acetabular labral tears, hip sports injuries, and childhood hip diseases. She also has interests in developing technology in applications in hip preservation surgery.

After receiving her undergraduate degree from Stanford University and medical degree from UCSF School of Medicine, she then completed orthopaedic surgery residency at Stanford University and fellowship training in child & adult hip preservation surgery at Boston Children's Hospital/Harvard Medical School. She then completed the Stanford Biodesign Faculty Fellowship.

Dr. Pun has authored numerous book chapters and peer-reviewed research papers in hip preservation. She has served as faculty and presented her research at national and international orthopaedic symposiums. She is an active member of the American Academy of Orthopaedic Surgeons (AAOS), Pediatric Orthopaedic Society of North America (POSNA), the Hip Preservation Society (ISHA), and is the site director for multi-center research studies through the Academic Network of Conservational Hip Outcomes Research (ANCHOR), Global Hip Dysplasia Registry (GHDR) and Slipped Longitudinal International Prospective Registry (SCFE/SLIP).

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
- Pediatric Orthopedic Surgery

ACADEMIC APPOINTMENTS

- Clinical Associate 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

- Diplomate, American Board of Orthopaedic Surgery (ABOS)
- Fellow, American Academy of Orthopaedic Surgeons (AAOS)
- Member, The Hip Preservation Society (ISHA)
- Member, Pediatric Orthopaedic Society of North America (POSNA)
- Member, Ruth Jackson Orthopaedic Society (RJOS)
- Member, Western Orthopaedic Association (WOA)
- Member, California Orthopaedic Association (COA)
- Faculty Mentor, Stanford School of Medicine Women and Medicine

PROFESSIONAL EDUCATION

- Fellowship: Boston Children's Hospital Dept of Orthopaedic Surgery (2013) MA
- Residency: Stanford University Orthopaedic Surgery Residency (2012) CA
- Fellowship, Stanford Biodesign Faculty Fellowship , Healthcare Innovation (2017)
- 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)
- Medical Education, University of California San Francisco , CA (2007)
- Undergraduate, Stanford University , CA (2003)

COMMUNITY AND INTERNATIONAL WORK

- Operation Rainbow

LINKS

- Dr. Pun & Hip Preservation at Stanford: <https://www.youtube.com/watch?v=cAAxocbt-ZM>
- 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 the Bernese Periacetabular Osteotomy Safe for the Treatment of Acetabular Dysplasia When the Triradiate Cartilage is Still Open? A Preliminary Study.** *Journal of pediatric orthopedics*
Pun, S. Y., Kha, S. T., Park, M. O., Richey, A. E., Pham, N. S., Millis, M. B.
2026
- **Pelvic Osteochondroma Causing a Painful Anterior Snapping Hip With Concomitant Femoroacetabular Impingement: A Case Report.** *Cureus*
Meadows, M. C., Charville, G., Pun, S. Y.
2026; 18 (2): e103498
- **Assessment and Management of Residual Acetabular Dysplasia from Age 1 to 5 Years: Defining Normal Acetabular Index Values and Indications for Treatment** *JBJS REVIEWS*
Johnson, T. R., Pun, S. Y., Morris, W. Z., Novais, E. N., Frick, S. L.
2025; 13 (6)
- **No Delay in Age of Crawling, Standing or Walking with Pavlik Harness Treatment: A Prospective Cohort Study.** *The Journal of the American Academy of Orthopaedic Surgeons*
Stavinoha, T. J., Pun, S. Y., McGlothlin, J. D., Uzosike, M. B., Segovia, N. A., Imrie, M. N.
2023
- **Association of Hip Dysplasia With Trochlear Dysplasia in Skeletally Mature Patients.** *Orthopaedic journal of sports medicine*
Fithian, A. T., Richey, A. E., Sherman, S. L., Shea, K. G., Pun, S. Y.
2023; 11 (10): 23259671231200805
- **Acetabular labral reconstruction with medial meniscal allograft: preliminary results of a new surgical technique.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*
Chen, M. J., Hollyer, I., Pun, S. Y., Bellino, M. J.
2021
- **What Are the Early Outcomes of True Reverse Periacetabular Osteotomy for Symptomatic Hip Overcoverage?** *Clinical orthopaedics and related research*
Pun, S. Y., Hosseinzadeh, S., Dastjerdi, R., Millis, M. B.
2020
- **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
- **Assessment and Management of Residual Acetabular Dysplasia from Age 1 to 5 Years: Defining Normal Acetabular Index Values and Indications for Treatment.** *JBJS reviews*
Johnson, T. R., Pun, S. Y., Morris, W. Z., Novais, E. N., Frick, S. L.
2025; 13 (6)

- **Self-reported preoperative anxiety and depression associated with worse patient-reported outcomes for periacetabular osteotomy and hip arthroscopy surgery.** *Journal of hip preservation surgery*
Richey, A. E., Segovia, N., Hastings, K., Klemm, C., Pun, S. Y.
2024; 11 (4): 251-256
- **Self-reported preoperative anxiety and depression associated with worse patient-reported outcomes for periacetabular osteotomy and hip arthroscopy surgery** *JOURNAL OF HIP PRESERVATION SURGERY*
Richey, A. E., Segovia, N., Hastings, K., Klemm, C., Pun, S. Y.
2024
- **Reply to Letter to the Editor: Increased Prevalence of Breast and All-cause Cancer in Female Orthopaedic Surgeons.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*
Chou, L. B., Johnson, B., Shapiro, L. M., Pun, S., Cannada, L. K., Chen, A. F., Valone, L. C., Van Nortwick, S. S., Ladd, A. L., Finlay, A. K.
2023; 7 (9)
- **Preliminary study on the stabilization of varus proximal femoral osteotomies using pediatric LCP plates in adults undergoing combined correction of proximal femoral and acetabular dysplasia.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*
Hollyer, I., Johnson, T. R., Wadwa, H., Chen, M. J., Pun, S. Y., Bellino, M. J.
2023
- **Combining Shelf Osteotomy With Proximal Femoral Reconstruction After Oncologic Resection** *TECHNIQUES IN ORTHOPAEDICS*
Zhou, J. Y., Lai, C., Pun, S. Y., Richey, A., Leshikar, H. B., Avedian, R., Steffner, R.
2023; 38 (2): 85-89
- **Increased Prevalence of Breast and All-cause Cancer in Female Orthopaedic Surgeons** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS GLOBAL RESEARCH AND REVIEWS*
Chou, L. B., Johnson, B., Shapiro, L. M., Pun, S., Cannada, L. K., Chen, A. F., Valone, L. C., Van Nortwick, S. S., Ladd, A. L., Finlay, A. K.
2022; 6 (5)
- **Increased Prevalence of Breast and All-cause Cancer in Female Orthopaedic Surgeons.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*
Chou, L. B., Johnson, B., Shapiro, L. M., Pun, S., Cannada, L. K., Chen, A. F., Valone, L. C., Van Nortwick, S. S., Ladd, A. L., Finlay, A. K.
2022; 6 (5)
- **CORR Insights: Medialization of the Hip's Center with Periacetabular Osteotomy: Validation of Assessment with Plain Radiographs.** *Clinical orthopaedics and related research*
Pun, S. Y.
2021
- **An anatomic classification for heterotopic ossification about the hip.** *Journal of orthopaedics*
DeBaun, M. R., Ziino, C. n., LaPrade, C. n., Pun, S. n., Avedian, R. S., Bellino, M. J.
2020; 21: 228–31
- **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. H.
2018; 49: 1–2
- **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
- **Periacetabular Osteotomy to Uncover the Hip: Uncommon Variations on a Common Procedure**
Pun, S., Merz, M., Bowen, G. S., Hingsammer, A., Yen, Y., Kim, Y., Millis, M.
AMER ACAD PEDIATRICS.2018

- **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-?
- **Reconstruction of Lateral and Medial Elbow Ligaments for Chronic Instability Using a Single Graft With Hybrid Fixation: A New Technique of Reconstruction** *TECHNIQUES IN SHOULDER AND ELBOW SURGERY*
Pun, S. Y., Safran, M. R.
2012; 13 (1): 6-10
- **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)