

8/2020

CURRICULUM VITAE

Jeffrey Jerome Nepple, M.D., M.S.

Contact Information

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Present Position

April 2014 – Present Assistant Professor, Orthopaedic Surgery

Education

HIGHER EDUCATION:

B.S., Truman State University
Kirksville, MO
Mathematics Major
08/99-05/03

M.D., Washington University School of Medicine
St. Louis, MO
08/03-05/07

POSTGRADUATE MEDICAL EDUCATION:

Orthopaedic Surgery Residency
Barnes-Jewish Hospital/Washington University School of Medicine
St. Louis, MO
07/07-06/12

Sports Medicine Fellowship
The Steadman Clinic/Steadman-Philippon Research Institute
Vail, CO
08/12-07/13

Pediatric Orthopaedics Fellowship/Clinical Instructor
Washington University in St. Louis
St. Louis Children's Hospital/Shriners' Hospital
08/13-07/14

Mentored Training Program in Clinical Investigation
Masters of Science in Clinical Investigation
Washington University in St. Louis
01/14-06/17

Teaching Title/Responsibilities

Assistant Professor, Washington University School of Medicine – 2014 – present

Director, Young Athlete Center – 2014 – present

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Co-Director, Hip Preservation Service – 2020 – present

Clinical Research Training Center: 2017 ASPIRE Mentor

Certifications

American Board of Orthopaedic Surgery
7/16

Medical Licensure

State of Missouri, Temporary License 2007017057
08/07-07/12

State of Colorado
08/12-07/13

State of Missouri
08/13-current

Honors and Awards

Kuemper High School, Carroll, IA
Valedictorian, 05/99

Truman State University
President's Honorary Full Merit Scholarship, 08/99-06/03
Graduated Summa cum Laude, 06/03
Co-Captain Men's Basketball Team, 08/02-06/03

Washington University School of Medicine
Southern Medical Association Student Scholarship, 08/05
Scholars in Medicine Scholarship, 08/05
Brookings and Carter Research Award, 06/07

Orthopaedic In-Training Examination
07/08, 557, 94.0% YIT
07/09, 625, 95.9% YIT
07/10, 673, 96.0% YIT
07/11, 649, 88.0% YIT

2011 AOSSM NCAA Research Award
Previous Knee Surgery a Risk Factor for Knee Articular Cartilage Lesions among
College Football Athletes in the NFL Combine

2012 AAOS/ORS FAI Research Symposium Young Investigator Award
05/12 Chicago, IL

2012 Resident Research Award
Washington University Department of Orthopaedic Surgery
06/12

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- 2012 Scientific Advisory Committee Fellow Research Award
Steadman-Philippon Research Institute
07/13
- 2013 AAOS/ORS/OREF Clinician Scholar Development Program
09/13
Chicago, IL
- 2013 Richard N. Villar Trainee Excellence in Research Award
The Effect of an Acetabular Labral Tear, Repair, Resection, and
Reconstruction on the Hip Fluid Seal
International Society for Hip Arthroscopy
10/13
Munich, Germany
- 2013 International Society for Hip Arthroscopy Basic Research Award (co-author)
The Influence of Pelvic Tilt on Common Acetabular Parameters and Range of
Motion in Patients with Femoroacetabular Impingement
10/13
Munich, Germany
- 2014 AAOS Surgical Technique Video Award
Medial Patellar Tendon Transfer in the Treatment of Patellar Instability in the
Skeletally Immature Patient
Nepple JJ, Schoenecker PL, Luhmann SJ
- 2016 AAHKS Annual Meeting Poster Award
What are the Risk Factors for Disease Progression in Femoroacetabular
Impingement? A Prospective Analysis of the Contralateral Hip in FAI Patients
11/16
Dallas, TX
- 2018 POSNA Direct Research Grant Award
Predictors of Outcomes after Surgical Treatment of Unstable Knee
Osteochondritis Dissecans Lesions
Nepple JJ Principal Investigator
- 2019 POSNA Clinical Scientific Paper Award
Two-Year Functional Outcomes of Operative vs. Non-Operative Treatment of
Completely Displaced Clavicular Fractures in Adolescents: Results from the
Prospective, Multicenter, Level 2 FACTS Study
Nepple JJ Co-Investigator

Editorial Responsibilities

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| 2013
Medicine | Certificate of Excellence in Reviewing, American Journal of Sports |
| 2013 – Current | American Journal of Sports Medicine Reviewer |
| 2015 – Current | Journal of the American Academy of Orthopaedic Surgeons Reviewer |

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2014 – Current The Journal of Arthroscopy and Related Research Reviewer
2015 – Current Clinical Orthopedics and Related Research Reviewer
2015 – Current Journal of Orthopaedic Research Reviewer
2015 – Current The Physician and Sports Medicine Reviewer
2016 – Current Journal of Pediatric Orthopaedics Reviewer

Course Instructor

AANA Hip Arthroscopy Course – annually 2013-2016 – Chicago, IL - Instructor
Smith and Nephew Fellow Arthroscopy Course – 2015, 2016, 2018, 2019 – Andover, MA - Instructor
Innovations in the Treatment of Hip and Knee Disorders 2016, 2019– St. Louis, MO - Lecturer
St. Louis Hip Skills Course –2013-2020 – St. Louis, MO - Instructor, Lecturer
St. Louis Hip Skills Course –2018-2020 – St. Louis, MO – Course Co-Director
Vail Hip Symposium – annually 2014-2016, 2018-2020 – Vail, CO – Instructor, Lecturer
Washington University Sports Medicine Update – 2015-2020 - Lecturer
Washington University 1st Year Medical Student – 2015-2020 - Lecturer
OLC Resident Course x2
AANA Hip Mini-Fellow Lab 2018

Course Director

2017-20 St. Louis Hip Preservation Course – Co-Director

Professional Societies and Organizations

2014-Present American Academy of Orthopaedic Surgeons
2014-Present American Orthopaedic Society for Sports Medicine
2014-Present Arthroscopy Association of North America
2014-Present Pediatric Orthopaedic Society of North America
2014-Present Pediatric Research in Sports Medicine
2015-Present International Society for Hip Arthroscopy
2019-Present American Academy of Pediatrics
2019-Present Mid-America Orthopaedic Association

Committee Assignments

2016-2018 Pediatric Research in Sports Medicine: Research Committee, Co-Chair
2016-present Pediatric Research in Sports Medicine: Research Committee, Board of Directors
2016-present Research in Osteochondritis Dissecans of the Knee (ROCK), Investigator
2016-present Pediatric ACL: Understanding Treatment Operations (PLUTO), Investigator

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2016-present Journal of Arthroscopy, Editorial Board
2016-present Sports Review Journal, Editorial Board
2019-2020 Pediatric Research in Sports Medicine: Research Committee, Chair
2020-present American Journal of Sports Medicine, Editorial Board

Team Coverage Experience

St. Louis Rams Football
2008, 2010-2011
2010 Training camp
St. Louis Blues Hockey
2008, 2010, 2014, 2017, 2018, 2019
Washington University in St. Louis (Varsity Athletics)
2010

High School Football
Troy, MO; Eureka MO
2010-2011
Battle Mountain (Edwards, CO)
2012
Eureka, MO
2014-2017
Kirkwood, MO
2019-present

Missouri Valley Conference Basketball Tournament
2008, Physician
St. Louis Marathon
2007, Physician
United States Olympic Ski and Snowboarding Team
2012-2013 Physician
Lou Fusz Athletic Club
Medical Director, 2018-present

Presentations

1. Innovations in the Treatment of Hip and Knee Disorders. Washington University Orthopedics. St. Louis MO. 11/14. Talk: FAI: Etiology and Preservation Surgery.
2. Vail Hip Symposium. Vail CO. 01/15. Talk: Re-establishing the Capsular Seal.
3. Hip Arthroscopy, Preservation and Replacement Procedures. St Louis MO. 01/15. Talks:
1) Current Concepts in SCFE Treatment (skeletal immature). 2) Surgical Set-up for Hip Arthroscopy.
4. PRISM 2nd Annual Meeting. Fort Lauderdale FL. 02/15. Talk: Clavicle Fractures Background Literature.

5. 8th Annual St. Louis Soccer Conference. St. Louis MO. 03/15. Talk: Update on Hip Arthroscopy.
6. AAOS Annual Meeting. 03/15. Paper Presentations: 1) Medial Patellar Tendon Transfer with Proximal Realignment for Patellar Instability in the Skeletally Immature Knee. 2) Hip Arthroscopy and Periacetabular Osteotomy Treatment of Acetabular Dysplasia and Associated Labral Tear.
7. POSNA Annual Meeting. Atlanta GA. 04/15. Paper Presentations: 1) The False Profile Radiograph: Is It An Accurate And Precise Method Of Assessing Anterior Coverage? 2) Three-Dimensional Ct Analysis Identifies Distinct Variations In Acetabular Morphology In The Dysplastic Hip.
8. AAOS/AAHKS/AOSSM/POSNA Open and Arthroscopic Techniques for Adolescent and young Adult Hip Preservation/Disorders. Orthopaedic Learning Center, Rosemont IL. 07/15. Faculty.
9. AAOS Fundamentals of Knee and Shoulder Arthroscopy for Orthopedic Residents. OLC Education & Conference Center, Rosemont IL. 09/15. Anatomy of PCL/PLC/MCL/MPFL Reconstruction. Hands-On Labs: 1) Virtual Reality Knee Arthroscopy Simulator Practice. 2) Knee Arthroscopy - Standard Portals, Diagnostic Scope. 3) Knee Arthroscopy - Meniscus Repair. 4) Knee Arthroscopy - Harvest Patella Tendon, Harvest Hamstring Graft, ACL Recon, Open Knee Dissection. 5) Shoulder Arthroscopy - SLAP/Bankart Repair. 6) Open Rotator Cuff Repair and Shoulder Dissection.
10. International Society for Hip Arthroscopy Annual Meeting. Cambridge, England. 09/15. Talks: 1) Femoral Version Differences in Femoroacetabular Impingement and Hip Dysplasia Occur both at Supratrochanteric and Infratrochanteric Locations. 2) The False Profile Radiograph: Is it an accurate and precise method of assessing anterior coverage? 3) Three-dimensional CT Analysis Identifies Distinct Variations in Acetabular Morphology in the Dysplastic Hip.
11. Arthroscopy Association of North America's Master's Experience Course. OLC Education & Conference Center, Rosemont IL. 10/15. Radiographic Evaluation of the Hip.
12. Innovations in the Treatment of Hip and Knee Disorders. Washington University Orthopedics. St. Louis MO. 11/15. Moderator: The Young/Athletic Hip and Knee Patient. Talks: 1) Challenging Knees – Pediatric Knee Injuries. 2) Case Presentations/Discussion. 3) Surgical Demonstration: Surgical Hip Dislocation and Review of Hip Preservation Concepts.
13. Vail Hip Symposium. Avon CO. 01/16. Talks: 1) Radiographic Evaluation of the Hip. 2) Strategic Management for Labral Repair.
14. St. Louis Hip Skills Course 2016: Hip Arthroscopy, Preservation and Replacement Procedures. St. Louis University Practical Anatomy and Surgical Education. St. Louis MO. 01/16. Talks: 1) DDH – Disease Spectrum and Surgical Treatment Options. 2) Hip

Arthroscopy – Surgical Set Up and Access. 3) Psoas Tendon – Function and Indications for Release. 4) Femoral Version/Torsion – Evaluation, Clinical Significance and Treatment. Hands-on Labs: Hip Arthroscopy – Basic Techniques: Surgical Dislocation/PFO, PAO, Anterior and Posterior THA, Small Group Surgical Technique Tutorials, Surgical Technique Video Demonstrations.

15. Pediatric Research in Sports Medicine Annual Meeting. San Diego CA. 01/16. Talk: Thinking Outside of FAI – Rare but Important Hip Arthroscopy and Illustrative Cases. Paper Presentation: Early Clinical and Radiographic Outcomes of Combined Hip Arthroscopy and Periacetabular Osteotomy. Debate: Indications for FAI – No Adolescents Should go to Surgery without a Positive Intra-articular Injection.
16. Bernese Hip Symposium. Bern, Switzerland. 02/16. Talks: 1) Pelvic Incidence Plays a role in Pelvic Mobility and Acetabular Version. 2) Gender Differences in 3D Pathomorphology in FAI. 3) Characterization of Pincer type FAI on 3D Imaging versus Plain Radiographs. 4) PAO for Severe Dysplasia – The St. Louis Experience at 10 Years. 5) Differences in Femoral Torsion in FAI and DDH.
17. American Academy of Orthopaedic Surgeons Annual Meeting. Orlando FL. 03/16. Paper 249: Is 3-Dimensional Imaging Better than Plain Radiograph for Defining Pincer FAI Subtypes? Moderator for Technical Skills 311: Advanced Surgical Techniques in Femoroacetabular Impingement – An In-Depth Approach. POSNA Specialty Day Presentation for Best Practices in Sports Medicine: 14 Year Old Boy with a Talar OCD – Is Cutting Really a Change to Cure – Indications and Strategies for Operative Treatment.
18. Orthopaedic Research Society Annual Meeting. Orlando FL. 03/16. Paper 213: 3-Dimensional CT Analysis Identifies Distinct Variations in Acetabular Morphology in the Dysplastic Hip. Poster: 3-Dimensional CT Analysis Identifies Distinct Variations in Acetabular Morphology in the Dysplastic Hip.
19. Pediatric Orthopaedic Society of North America Annual Meeting. Indianapolis IN. 04/16. Paper 34: Does Previous Hip Arthroscopy Impact the Clinical Outcomes of PAO Surgery? ANCHOR Cohort Study.
20. American Orthopaedic Society of Sports Medicine Annual Meeting. Colorado Springs CO. 07/16. Paper 124: The Fate of the Contralateral Hip in Femoroacetabular Impingement – Rates and Predictors of Short-term Symptom Development.
21. Fellows Course: The Wider Scope of Arthroscopy. Andover MA. 09/16. Talk: Hip Scope Dysplasia. Wet Lab: Hip/Knee.
22. International Society for Hip Arthroscopy Annual Meeting. San Francisco CA. 09/16. Talk: Does Previous Hip Arthroscopy Impact the Clinical Outcomes of PAO Surgery? An ANCHOR Cohort Study. ICL #7: Publishing Your Hip Research – JHPS, Arthroscopy, AJSM, Hip.

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23. Hip Preservation and Continuum Conference. Chicago IL. 09/16. Talks: 1) Radiographic Evaluation of the Hip. 2) Hip Biomechanics. Bioskills Labs: 1) Access, Capsulotomy, Pincer, Labral Repair. 2) Cam and Capsular Repair.

24. American Academy of Orthopaedic Surgeons Knee and Shoulder Arthroscopy. Rosemont IL. 10/16. Talk: 1) Anatomy of PCL/PLC/MCL/MPFL Reconstruction. Skills Labs: 1) Knot Tying Models. 2) Knee Arthroscopy – Standard Portals, Diagnostic Scope. 3) Knee Arthroscopy – Meniscus Repair. 4) Harvest Patella Tendon, Harvest Hamstring Graft, ACL Reconstruction, Open Surgical Dissection. 5) Shoulder Arthroscopy – SLAP/Bankart Repair. 6) Rotator Cuff Repair, Open Surgical Dissection.

25. Arthroscopy Association of North America 513: Basic Principles of Hip Arthroscopy: Road from Injury to Rehab. Rosemont IL. 10/16. Labs: 1) PAM Hip Model, Model Positioning, Portal Establishment, Shifting Portals Technique, Arthroscopic Hip Anatomy, Intro of Instruments into the Hip Joint, Safety & Behavior, Protecting the Environment. 2) Intraoperative Applications of Fluoroscopy, Establish Portals, Arthroscopic Exam of the Hip, Selected Techniques. 3) Cadaver Lab. 4) Gross Anatomy, Anatomic Dissection.

26. Arthroscopy Association of North America Fall Course Hip Symposium. Las Vegas NV. 11/16. Talk: PAO/DFO – The Labrum and Capsule are NOT the Problem.

27. Innovations in the Treatment of Hip and Knee Disorders. St. Louis MO. 11/16. Moderator: Hip Preservation Current Concepts. Talk: FAI – The Spectrum of Disease and Treatments.

28. Pediatric Research in Sports Medicine Annual Meeting. Dallas TX. 01/17. Talks: 1) Research Efficiency. 2) Hip Disorders. 3) Meniscus. Moderator: Research Interest Group (RIG) Updates.

29. St. Louis Hip Skills Course: Hip Arthroscopy and Preservation Procedures. St. Louis MO. 02/17. Course Co-Director. Talk: Plain Radiographic Evaluation. Hands-On Cadaver Labs: 1) Hip Arthroscopy. 2) PAO/Surgical Dislocations.

30. American Academy of Orthopaedic Surgeons Annual Meeting. San Diego CA. 03/17. Co-author - Paper 431: What are the Risk Factors for Disease Progression in Femoroacetabular Impingement (FAI)? A Prospective Analysis of the Contralateral Hip in FAI Patients. Moderator ICL 468: Advanced Surgical Techniques I Femoroacetabular Impingement, An In-depth Approach. Posters: 1) P038 Does Pelvic Rotation Affect Measurement of the Anterior Center Edge Angle on the False Profile Radiograph. 2) P491 What are the Risk Factors for Disease Progression in Femoroacetabular Impingement (FAI)? A Prospective Analysis of the Contralateral Hip in FAI Patients.

31. 10th Annual Sports Medicine Update. St. Louis MO. 03/17. Talks: 1) Soccer. 2) Clavicle Fractures: To Fix or Not to Fix.

32. Current Concepts in Hip Arthroscopy. Edina MN. 03/17. Cadaver Lab.

33. European Pediatric Orthopaedic Society and Pediatric Orthopaedic Society of North America Combined Meeting. Barcelona Spain. 05/17. Co-author - Paper 34: Descriptive Epidemiology of Adolescent Clavicle Fractures: Early Results from the FACTS (Function after Adolescent Clavicle Trauma & Surgery) Prospective, Multi-Center Cohort Study. Poster: An Analysis of Femoral Version in Patients undergoing Periacetabular Osteotomy. E-Posters: 1) Borderline Hip Dysplasia Preoperative Clinical Characteristics Differentiating Hip Instability and Femoroacetabular Impingement. 2) Pediatric and Adolescent Clavicle Nonunions: Potential Risk Factors and Surgical Management. 3) Outcomes of Medial Patellar Tendon Transfer with Proximal Realignment in young Skeletally Immature Children with Patellar Instability.

34. Arthroscopy Association of North America Annual Meeting. Denver CO. 05/17. Talks: 1) Acetabular Dysplasia. 2) Biomechanics of Acetabular Labral Function, Injury and Repair.

35. American Orthopaedic Society for Sports Medicine Annual Meeting. Toronto Ontario Canada. 07/17. Co-author – Paper 123: Hip Arthroscopy failure in the Setting of Acetabular Dysplasia: A Concerning Trend? Co-author – Paper 153: Long-term Osseous Remodeling after Femoral Head-neck Junction Osteochondroplasty. Talk: Managing the Unstable Patella in the Adolescent Athlete.

36. The Wider Scope of Arthroscopy: Smith & Nephew Fellowship Program. Boston MA. 08/17. Talks: 1) Hip Scope Dysplasia. 2) Pediatric Hip.

37. Arthroscopy Association of North America Fall Course. Palm Desert CA. 11/17. Mini-Fellowship: Hip. Talks: 1) Dysplasia – How Much is Too Much? 2) Correcting the Cam Deformity: Limit Your Radiation Exposure - Use a Dynamic Exam.

38. Vail Hip Symposium. Avon CO. 01/18. Talks: 1) Evolution of FAI. 2) Patterns of Acetabula Dysplasia.

39. St. Louis Hip Skills. St. Louis MO. 01/18. Course Co-Director. Talks: 1) Plain Radiographic Evaluation. 2) Hip Arthroscopy: Access and Central Compartment. Labs: 1) Hip Arthroscopy Lab. 4) Open Procedures Lab: PAO/Surgical Dislocations.

40. Pediatric Research in Sports Medicine Annual Meeting. Fort Lauderdale FL. 01/18. Papers: 1) Outcome Metrics in Pediatric Sports Medicine: Do Promis Computer Adaptive Testing Metrics Correlate with Pediatric IKDC Scores? 2) Outcomes of Medial Patellar Tendon Transfer with Proximal Realignment in Young Skeletally Immature Children with Patellar Instability. 3) Proximal Humeral Physeal Closure Patterns Correlate with Skeletal Age. Poster: What is the Association of Femoroacetabular Impingement and Hip Osteoarthritis? A Systematic Review of Longitudinal Studies. E Posters: 1) Clinical Presentation of Patients with Labral Tear and Increased Femoral Anteversion. 2) Can

the Periacetabular Osteotomy Normalize Acetabular Coverage in the Dysplastic Hip: Evaluation via Postoperative Low-Dose Ct. 3) Utility of Merchant View Radiographs for Assessment of TT-TG: A Comparison to MRI. 4) Characterization of the Optimal Reduction Maneuver during Simulated Periacetabular Osteotomy. 5) The Role of Abnormal Tibiofemoral Rotation in Pediatric and Adolescent Patellar Instability.

41. American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans LA. 03/18. Talk: Pediatric and Adolescent Consideration in Primary ACL/in ICL # 151: ACL Reconstruction: Getting it Right the First Time. ICL # 274 Moderator: Technical Skills: Advanced Surgical Techniques: In Femoroacetabular Impingement: An In-depth Approach. ICL # 484 Co-Moderator: Case Presentation: Adolescent Hip Pain: A Case-based Approach to Common Problems. Papers: 1) # 895: Predictive Role of Symptom Duration on Adolescent Capitellar Osteochondritis Dissecans Prognosis. 2) # 778: Variability in Anterior Inferior Iliac Spine Morphology in Acetabular Dysplasia: A Source of Post-osteotomy Impingement? 3) # 783: Does Femoral Version Affect Patient-reported Outcomes of the Periacetabular Osteotomy for the Treatment of Symptomatic Hip Dysplasia? 4) # 786: Relative Femoral Neck Lengthening for the Treatment of Complex Proximal Femoral Deformities: Deformity Correction, Complications, Clinical Outcomes, and Osteoarthritis Progression. 5) # 789: Mid to Long-term Osseous Remodeling after Femoral Head-Neck Junction Osteoplasty. 6) # 899: Are There Disease-specific Articular Cartilage Wear Patterns in Various Pre-arthritis Hip Disorders?
42. Orthopaedic Research Society Annual Meeting. New Orleans LA. 03/18 in Various Pre-arthritis Hip Disorders?
43. 11th Annual Sports Medicine Conference. St. Louis MO. 03/18. Talk: Hip Pain in the Adolescent.
44. Pediatric Orthopaedic Society of North America. Austin, TX. 05/18. Talk: Moderate to Severe Stable SCFE: SCFE Panel: In Situ Screw Fixation +/- Osteochondroplasty.
45. Pediatric Orthopaedic Society of North America. Austin, TX. 05/18. Talks: 1) Outcomes of Medial Patellar Tendon Transfer with Proximal Realignment in Young Skeletally Immature Children with Patellar Instability. 2) The Role of Abnormal Tibiofemoral Rotation in Pediatric and Adolescent Patellar Instability.
46. American Orthopaedic Society for Sports Medicine. San Diego, CA. 07/18. Talks: 1) The Role of Abnormal Tibiofemoral Rotation in Pediatric and Adolescent Patellar Instability [Concurrent Session C – Patellofemoral. 2) Borderline Dysplastic Hip: Arthroscopy or PAO?
47. Ohio State Hip Symposium. Columbus, OH. 11/18. Talk: Hip Pain in the Adolescent Athlete.
48. Vail Hip Symposium. Vail, CO. 01/19. Talks: 1) Adolescent FAI. 2) Patterns of Acetabular Dysplasia. Lab: Live Demo Hip Anatomy Dissection.

49. Pediatric Research in Sports Medicine. Atlanta, GA. 01/19. Talk: FAI Surgery in the Adolescent Population: Mild Deformities and Lack of Sports Participation are Associated with an Increased Risk of Treatment Failure.
50. American Academy of Orthopaedic Surgery. Las Vegas, NV. 03/19 ICL # 130 Moderator: Advanced Surgical Techniques in Femoroacetabular Impingement: An In-Depth Approach. ICL # 149 Moderator: Evaluation and Surgical Treatment of Knee Osteochondritis Dissecans and Adolescent Cartilage Injuries. ICL # 383 Moderator: Adolescent Hip Pain: A Case-Based Approach to Common Causes. Papers: 1) # 392: Best Practice Guidelines for Hip Arthroscopy in Femoroacetabular Impingement: Results of a Delphi Process. 2) # 397: Lateral Center Edge Angle is Not Predictive of Acetabular Articular Cartilage Surface Area: Anatomic Variation of the Lunate Fossa. 3) # 519: PROMIS versus Legacy Patient Reported Outcomes in Patients Undergoing Surgical Treatment for Developmental Dysplasia of the Hip. 4) # 522: The Fate of the Contralateral Hip in Patients Undergoing a Periacetabular Osteotomy: Are there Risk Factors for Disease Progression? Posters: 1) # P0041: Elevated Biomarker Levels of Cartilage Breakdown and Inflammation are Present in Patients with Stable Slipped Capital Femoral Epiphysis. 2) # P0043: Surgical Treatment of Femoroacetabular Impingement: Arthroscopy vs. Surgical Hip Dislocation – A Propensity Matched Analysis. 3) # P0056: Borderline Acetabular Dysplasia: Independent Predictors of Hip Instability Versus Impingement. 4) # P0912: Do Patient Reported Outcome Measurement Information System Depression and Anxiety Domains Correlate to Legacy Scores in Symptomatic Patients with Femoroacetabular Impingement? 5) # P0913: Predictors of Failure after Surgical Treatment of Femoroacetabular Impingement: Results of a Multicenter Prospective Cohort of 621 Hips.
51. 12th Annual Sports Medicine Conference. St. Louis, MO. 03/19. Talk: Pediatric ACL Tears
52. ACL Course – Young Athlete Center. St. Louis, MO. 04/19. Talk: Post-Operative Rehabilitation and Return to Sport: Pediatric and Adult.
53. Meeting Mid-America Orthopaedic Association. Miramar Beach, FL. 04/19. Talk: IC III – The Young Adult – What is the Issue?
54. Young Adult Hip Group. St. Louis, MO. 04/19. Talk: Borderline Acetabular Dysplasia.
55. American Academy of Orthopaedic Surgeons. Webinar 04/18/19. JAAOS Plus: Athletic Hip Injuries
56. Pediatric Orthopaedic Society of North America. Charlotte, NC. 05/19. Talk: 1) Two-Year Functional Outcomes of Operative vs. Non-Operative Treatment of Completely Displaced Clavicle Fractures in Adolescents: Results from the Prospective, Multicenter, Level 2 'Facts' Study. 2) Predictors of Failure after Surgical Treatment of Femoroacetabular Impingement: Results of a Multicenter Prospective Cohort of 621 Hips.

57. American Orthopaedic Society for Sports Medicine. Boston, MA. 07/19. Paper: 1) Best Practice Guidelines for Hip Arthroscopy in Femoroacetabular Impingement: Results of a Delphi Process. 2) Predictors of Failure after Surgical Treatment of Femoroacetabular Impingement: Results of a Multicenter Prospective Cohort of 621 Hips. Poster: 1) Normative PROMIS Scores in Healthy Collegiate Athletes: Establishing a Target for Return-to-Normal Function. 2) Two Year Functional Outcomes of Operative Versus Non-Operative Treatment of Completely Displaced Midshaft Clavicle Fractures in Adolescents: Results From a Prospective, Multicenter, Level 2 Study.
58. Southern Orthopaedic Association. Amelia Island, FL. 07/19. Talk: Hip Instability - Acetabular, Femoral and Soft Tissue Pathology and Treatment. Moderator: 1) Rapid Fire Session 2F: Hip Preservation. 2) Symposium 5: Hip Preservation.
59. 2019 The Wider Scope of Arthroscopy – Fellows Meeting. Rosemont, IL. 08/19. Talk: CAM Impingement: Tips & Pearls – DYONICS. Live Demo: Hip Anatomy Dissection.
60. AAOS Surgical Treatment of the Pre-Arthritic Hip. Rosemont, IL. 09/19. Talk: Acetabular Morphology: Defining the Spectrum of Coverage and Orientation. Lab Instructor Hands on Surgical Skills Lab: Track 1: Arthroscopic.
61. ISHA 2019 Annual Meeting. Madrid, Spain. 10/19. Talks: 1) 2019 Update of FAI. 2) Borderline Acetabular Dysplasia: Evaluating Preoperative Low-Dose Computed Tomography Characteristics as a Predictor of Symptomatic Instability. 3) Outcomes of Open Capsular Plication of the Hip at a Mean of Six Years Postoperatively: Do Results Deteriorate with Time? 4) Where is the evidence now on when to repair or debride? 5) FAI Surgery in the Adolescent Patient Population Mild Deformities and Lack of Sports Participation are Associated with an Increased Risk of Treatment Failure. Debate: (For) Should we intervene early for the hip at risk?
62. AAP. New Orleans, LA. 10/19. Presenter for the SoOR: Top 10 Articles on Sports Medicine and Fitness of the Year in Pediatric Sports Medicine.
63. St. Louis Hip and Knee Innovations Course. St. Louis, MO. 11/19. Moderator: Hip Preservation Current Concepts. Case Presentation. FAI: The Spectrum of Disease and Treatments. Discussion/Questions & Answers.
64. 7th Annual PRiSM Meeting. Glendale, AZ. 1/20. Poster: Assessment of Acetabular Coverage in Borderline Acetabular Dysplasia: Are Plain Radiographic Parameters Accurately Estimates of Three-Dimensional Coverage?

Multicenter Research Collaborations

ANCHOR – Academic Network of Conservation Hip Outcomes Research

8/2020

Research Focus: Hip Preservation Surgery
Role: Investigator

ROCK – Research on Osteochondritis Dissecans of the Knee
Research Focus: Knee OCD
Role: Member

FACT – Function after Clavicle Trauma and Surgery
Research Focus: Adolescent Clavicle Fractures
Role: Member, Site Primary Investigator

PRISM – Pediatric Research in Sports Medicine
Research Focus: Pediatric Sports Medicine
Role: Member, Past Research Committee Chair

PLUTO – Pediatric ACL: Understanding Treatment Options
Research Focus:
Role: Member

Research Support

St. Louis Children's Hospital Foundation – Young Athlete Center Injury Prevention Program (Ref. AFR-2016-115). \$50,000: 04/16 – 12/16. Research Focus: Injury prevention in young athletes. Role: Principal Investigator

Shriners Hospitals for Children Grant – Development of a Murine Model of Knee Osteochondritis Dissecans (Project # 85800). \$60,000: 01/16 – 12/16. \$60,000: 01/17 – 12/17. Research Focus: Knee Osteochondritis Dissecans in Children. Role: Principal Investigator

2017 POSNA Directed Research Grant - \$50,000: 06/17-05/21.
Research Focus: Predictors of Outcomes after Surgical Treatment of Unstable Knee Osteochondritis Dissecans Lesions. Role: Principal Investigator

ICTS Just In Time Grant– The Utility of Molecular Biomarkers in Young Adult Hip Disorders 10/14-10/15. Research Focus: Joint preservation in hip surgery. Role: Principle Investigator

Zimmer - Comprehensive Analysis of Total Hip Arthroplasty for the Young, Active Patient Population. Research Focus: ANCHOR hip preservation surgery and molecular biomarkers \$300,000 per year: 06/16 – 05/20. Role: Co-Investigator (Clohisy PI)

Department Of Defense grant \$2,000,000: 2019 – 2024
Co-Investigator: Identification of Predictors for Clinical Outcomes in Femoroacetabular Impingement Surgery

Stryker \$25,000: 12/1/19 – 12/1/22
Co-Principle Investigator. Identification of Predictors of Diagnosis and Outcome in FAI and Borderline Acetabular Dysplasia: A multicenter prospective cohort

ICTS Just In Time Grant— – Project Title: Opioid Use Following Common Knee Surgeries In the Pediatric, adolescent, and Young Adult Populations 10/2019- 10/3/2020.

Publications

Peer-reviewed Publications (Key Publications in Bold)

1. Olsen MA, **Nepple JJ**, Riew KD, Lenke LG, Bridwell KH, Mayfield J, Fraser VJ. Risk factors for surgical site infection following orthopaedic spinal operations. *J Bone Joint Surg Am.* 2008. 90(1):62-69.
2. **Nepple JJ**, Lenke LG. Severe idiopathic scoliosis with respiratory insufficiency treated with preoperative traction and staged anteroposterior spinal fusion with a 2-level apical vertebrectomy. *Spine J.* 2009. 9(7):9-13.
3. **Nepple JJ**, Matava MJ. Soft-tissue injections in the athlete. *Sports Health.* 2009. 1(5):396-404.
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