

**MIGUEL ('MICK') A. SCHMITZ, MD  
CURRICULUM VITAE**

**Office:** Alpine Orthopaedic and Spine, P.C.  
212 East Central; Suite 365  
Spokane, WA 99208  
**www.AlpineOrthoSpine.com**  
Telephone: 509-435-0973  
**<https://orcid.org/0000-0002-7350-2605>**

**PERSONAL INFORMATION:**

**Date of Birth:** March 14, 1964  
**Place of Birth:** Tucson, Arizona  
**Citizenship:** USA  
**Marital Status:** Married with 3 children

**Academic Positions[post-training]:**

Washington State University; Elson S. Floyd College of Medicine  
Clinical Assistant Professor  
October 22, 2019 to Present

University of Washington MEDEX Physician Assistant Training Program  
Clinical Assistant Professor  
2022 to Present

Heritage University: Physician Assistant Educational Program  
Preceptor: 1/1/2017-current

Oregon Health Sciences University  
Adjunct Assistant Professor, Department of Family Medicine  
8/1/2000-6/30/2007

Oregon Health Sciences University  
Clinical Instructor, Department of Family Medicine  
2/1/2000-8/1/2000

**BOARD CERTIFICATION:**

American Board of Orthopaedic Surgery, Inc.: July 16, 1998 through December 31, 2028  
Recertified 2008 and 2018

American Board of Orthopaedic Surgery Certificate of Added Qualification for Sports Medicine:  
November 7, 2008 through December 31, 2028

Recertified 2018

**American Board of Orthopaedic Surgery Recertification:  
2008: 99<sup>th</sup> Percentile score**

**American Board of Orthopaedic Surgery Subspecialty Certification for Sports Medicine:  
2008: 95<sup>th</sup> Percentile score**

**ACTIVE/INACTIVE LICENSURE:**

WA 38062; 11/4/1999; Active  
ID M-15421; 10/7/2020; Active  
CA A70719; 1/21/2000; Inactive  
OR MD22103; 10/15/1999; Inactive  
CO 36788; 2/12/1998; Inactive  
MA 230712; 1/24/2007; Expired  
TX J0248; 5/31/1998; Expired  
NY 199663; 6/14/1995; Expired  
MI 4301068871; Expired

**HOSPITAL AFFILIATIONS [SINCE Residency and Fellowship 1996]:**

Hospital	Address	Time period
Multicare Deaconess Medical Center	800 W 5 <sup>th</sup> Avenue; Spokane, WA 99204	February 1, 2009-Current
Multicare Valley Hospital	12606 East Mission Avenue; Spokane Valley, WA 99216	September 25, 2020-Current
Holy Family Medical Center	5633 N. Lidgerwood; Spokane, WA 99208	August 1, 2008-Current
Whitman Hospital	1200 West Fairview Street; Colfax, WA 99111	2013-Current
Massachusetts General Hospital/Harvard Combined Orthopaedic Program	55 Fruit Street; Boston, MA 02114	August 1, 2007-July 31, 2008
Brigham and Women's Hospital/Harvard Combined Orthopaedic Program	75 Francis Street; Boston, MA 02115	August 1, 2007-July 31, 2008
Skylakes Medical Center	2865 Daggett Avenue; Klamath Falls, OR 97601	October 18, 1999-2008
Klamath Surgical Center	2640 Biehn Street; Klamath Falls, Oregon 97601	2000-2008
Centura St. Anthony Hospital – Central	4231 W. 16th Avenue; Denver, CO 80204	1998-1999
Centura St. Anthony Hospital – North	2251 W. 84 Avenue; Westminster,	1998-1999

	CO 80033	
Exempla Lutheran Hospital	8300 W. 38th Avenue; Wheat Ridge, CO 80033	1998-1999
Columbia Lakewood Surgical Center	2210 Wadsworth Blvd; Lakewood, CO 80215	1998-1999
HealthSouth Denver West Surgical Center	13952 Denver West Parkway Bldg. 53, #100; Golden, CO 80401	1999
Columbia North Suburban Medical Center	9191 Grant Street; Thornton, CO 80229	1998-1999
Detroit Receiving	4201 St Antoine; Detroit, MI 48201; 313-745-3120; 313-745-3000	1996-1998
Grace Hospital	6071 West Outer Dr; Detroit, MI 48235; 313-966-3224; 248-966-3224	1996-1998
Harper Hospital	3990 John R; Detroit, MI 48201; 313-745-2332; 313-745-8040	1996-1998
Huron Valley Hospital	1 William Carls Drive; Commerce, MI 48382; 248-360-3335; 248-360-3300	1996-1998
Hutzel Hospital	3990 John R Street; Detroit, MI 48201; 313-745-7278	1996-1998
Rehab Institute of Michigan	261 Mack; Detroit, MI 48201; 313-745-9848; 313-745-1203	1996-1998
Sinai Hospital	6767 W. Outer Drive; Detroit, MI 48235; 313-493-5087; 313-493-6800	1996-1998
William Beaumont Troy	44201 Dequindre Road; Troy, MI 48098-1198; 248-828-5150; 248-828-5100	1996-1998
North Oakland Medical Center	461 West Huron; Pontiac, MI 48341; 248-857-7226; 248-857-7200	1996-1998
St Joseph Mercy Oakland Hospital	44405 Woodward, Avenue; Pontiac, MI 48341; 248-858-3132; 248-858-3000	1996-1998
Oakland General	27351 Dequindre Road; Madison Heights, MI 48071; 248-967-7790; 248-967-7000	1996-1998

## EDITORSHIPS:

Orthopaedic editor for [www.eMedicine.com](http://www.eMedicine.com)  
July 2000-2007

**REVIEWER:**

Spine

**BOARD POSITIONS:**

YMCA-Member of Board of Directors  
2000-2002

Klamath Falls Independent Physicians Association-Member of Board of Directors  
2002-2006

**HOSPITAL COMMITTEE POSITIONS:**

Merle West Medical Center [now known as Skylakes Medical Center]:  
Trauma Committee

Skylakes Medical Center: Transfusion Committee

**EDUCATIONAL BACKGROUND:**

**Fellowship:**

Massachusetts General Hospital/Brigham and Women's Hospital/Harvard  
Combined Orthopaedic Programs  
Under direction of Kirkham Wood, MD, Christopher Bono, MD, Mitchell Harris,  
MD  
8/1/2007-7/31/2008  
Spine Surgery

University of Rochester/Strong Memorial Hospital  
Kenneth DeHaven, MD; Lucien Rouse, MD; Robert Bronstein, MD  
Rochester, NY  
8/1/1995 to 7/31/1996  
Sports Medicine/Arthroscopy

**Residency:**

University of Texas Southwestern Medical School  
Parkland Memorial Hospital; Children's Medical Center; Zale Lipshy Medical  
Center; St. Paul Medical Center; Texas Scottish Rite Hospital; Dallas VA Medical  
Center; Baylor University Medical Center; Dallas Spine Hospital; Norfolk &  
Norwich Medical Center-Norwich, U.K.  
Dallas, TX  
7/1/1991 to 6/30/1995  
Orthopaedic Surgery

**Internship:**

University of Texas Southwestern/Parkland Memorial/Dallas VA Medical  
Center/Children's Medical Center  
Dallas, TX  
7/1/1990 to 6/30/1991  
General Surgery

**Medical School:**

University of Washington Medical School; Graduated with *Honors*  
Inducted into Alpha Omega Alpha Medical Honor society-1990  
Medical Honors Thesis in Biochemistry-1989  
Seattle, WA  
September 1986-June 1990

University of Washington Hospital; Harborview Medical Center; Seattle VAMC;  
Seattle Children's Hospital; Northwest Hospital-Seattle; Sacred Heart Medical  
Center-Spokane; Valley Medical Center-Spokane Valley, St. Vincent's Hospital-  
Billings, MT; Deaconess Medical Center-Billings, MT; University of California  
San Diego Neurosurgery; University of Texas Southwestern-Dallas Orthopaedic  
surgery

Montana State University (within WAMI system of University of Washington)  
Bozeman, MT  
September 1986-June 1987

**Undergraduate:**

Carroll College; Graduated *Summa Cum Laude* and with *Honors*; Delta Epsilon  
Sigma Honor Society  
B.A. in Biology; Minor in Chemistry  
Helena, MT  
August 1982-May 1986

**High School:**

Salpointe Catholic High School; National Honor Society; Tucson Student-Athlete  
Nominee  
Tucson, AZ  
August 1978-May 1982

**Employment History:**

Alpine Orthopaedic & Spine, PC  
212 East Central; Suite 365  
Spokane, WA 99208  
10/1/2009-current

Spokane Orthopedic Clinic  
220 East Rowan; Suite 100  
Spokane, WA 99207  
September 1, 2008-November 2009

Massachusetts General Hospital  
Assistant in Orthopaedic Surgery  
55 Fruit Street  
Boston, MA 02114  
August 1, 2007-July 31, 2008

Brigham and Women's Hospital

75 Francis Street  
Boston, MA 02115  
August 1, 2007-July 31, 2008

Klamath Orthopedic and Sports Medicine Clinic  
2200 Bryant Williams  
Klamath Falls, OR 97601  
October 1999-6/30/2007

Mazama High School Team Physician  
Fall 1999-Spring 2007

Klamath Union High School Team Physician  
Fall 2002-Spring 2007

Lakewood Orthopaedic Clinic  
1805 Kipling Street  
Lakewood, CO 80215  
March 31, 1998 through June 29, 1999

D'Evelyn High School Football Team Physician; Metro Denver; September 1998-  
November 1998

Denver Public Schools/Thomas Jefferson Football Team Physician; Denver, CO;  
August 1998-November 1998

Sports Medicine Center of Metro Detroit  
Troy, Michigan; August 1996-March 1998

Assistant Attending in Orthopaedics  
University of Rochester; Rochester, NY; July 1, 1996-October 31, 1996

Team Physician for St. John Fisher college (NCAA Division III); Rochester, NY;  
1995-1996

Assistant Team Physician for University of Rochester  
(NCAA Division III); Rochester, NY; 1995-1996

Assistant Team Physician for Rochester Amerks (Hockey); Rochester, NY; 1995-  
1996

Assistant Team Physician for Rochester Red Wings  
(AAA Baseball); Rochester, NY; 1995 to 1996

Team Physician for Empire State Games  
Ithaca, NY

1995

Buffalo, NY

1996

Irving Emergency Care Center  
2001 West Airport Freeway; Irving, TX 75062; 1994-1995

H.E.B. Emergency Care Center  
1444 Precinct Line Road; Hurst, TX 76053; 1994-1995

**Research Related Employment:**

1985(Summer): Argonne National Laboratory; Chicago, IL

1986(Summer): Argonne National Laboratory; Chicago, IL

1987(Summer): Edwin Krebs, MD and Steven Pelech, PhD; Howard Hughes Medical Institute;  
University of Washington, Seattle, WA

1994: UT Southwestern Orthopaedics Laboratory

1996(August-October): University of Rochester Department of Orthopaedics Laboratory

**Society Memberships:**

Alpha Omega Alpha Medical Honor Society(U Washington) (1990-)

American Academy of Orthopaedic Surgeons Member(2000-)

Arthroscopy Association of North America(2002-)

American Orthopaedic Society for Sports Medicine(2002-)

North American Spine Society(2009-)

American Medical Association(1987-present)

Delta Epsilon Sigma Honor Society(Carroll College) (1985-)

Clear Creek Valley Medical Society (1998-1999)

Colorado Medical Society (1998-1999)

Oakland County Medical Society-(1997-1998)

Denver Medical Society (1998-1999)

Oregon Medical Society(1999-2008)

Spokane County Medical Society(2009-)

**Other Certifications:** Advanced Trauma Life Support-1990  
Advanced Cardiac Life Support-1990

**Professional Awards:**

1986: The John Richardson Prize for Anatomical Studies; Montana State University; Bozeman, MT

1989: Medical Thesis Honor in Biochemistry; University of Washington; Seattle, WA

**Publications:**

1985-1986:

Kubitschek H: Increase in Cell mass during the Division Cycle of *Escherichia coli* B/rA. *Journal of Bacteriology* 168(2): 613-618, 1986; Involved in technical assistance for this study at Argonne National Laboratories, Illinois

Cell Growth of *Saccharomyces cerevisiae*, submitted in partial fulfillment of the requirements for graduation with honors in the Department of Biology at Carroll College-Helena, Montana

Cell Cycle Studies of *Escherichia coli* exposed to cephalixin, unpublished.

1986:

Honors Thesis-University of Washington: Characterization of a Trypsin Activated Kinase that may be related to Protein Kinase C in Swiss Mouse 3T3 Cells, under Edwin Krebs, MD and Steven Pelech, PhD. (Howard Hughes Medical Institute)

1994:

Schmitz MA, Burton D, Rodrigo J, Finnegan M, May H, Silliman J: The Effect of Synovial Fluid from Acute and Chronic Knee Injuries and Osteoarthritis on *In Vitro* Chondrocyte Proliferation. *Orthopaedic Transactions* 18(3): 920, 1994.

1995:

Schmitz MA, Champine J, Finnegan M: The Effect of Smoking on the Clinical Healing of Tibia Shaft Fractures. *Orthopaedic Transactions* 19(2): 499, 1995.

1996:

Schmitz MA, Harris J, May H, Finnegan M, Silliman J: Synovial fluid versus serum in *in vitro* chondrocyte proliferation. *Orthopaedic Transactions* 1996

Schmitz MA, Rouse LM, DeHaven KE: The Management of Meniscal tears in the ACL deficient knee. *Clinics in Sports Medicine*



July 15(3): 573-593, 1996.

Schmitz MA, Finnegan M, Champine J: The Effect of Smoking on the Healing of Tibia Shaft Fractures. *Orthopaedic Transactions* 20(2): 329,1996.

Schmitz MA, Champine J, Finnegan M: The Effect of Smoking on the Clinical Healing of Tibia Shaft Fractures. *Orthopaedic Transactions* 19(2): 437, 1995.

1997:

Schmitz MA, Rubin S, DeHaven KE: Results of Repeat Meniscus Repair. *Orthopaedic Transactions* 1997

1999:

Schmitz,MA, Ciullo JV: The Recognition and Treatment of Superior Labral Anterior-Posterior (SLAP) Lesions in the Shoulder. *MedScape: Orthopaedics* <http://www.medscape.com>

Schmitz MA, Finnegan M, Natarajan R, Champine J: Effect of Smoking on Tibial Shaft Fracture Healing. *Clinical Orthopaedics and Related Research* 365: 184-200, 1999.

2001:

Schmitz MA: Research Links ACL injury to bone density loss. *Biomechanics* 8(7): 93-98, 2001.

2003:

Voloshin I, Schmitz MA, DeHaven KE: Results of Repeat Meniscus Repair: *American J Sports Medicine* 31(6): 874-880, 2003.

Schmitz MA: Meniscal injuries: Which will resolve and when to refer to an orthopedist. *Journal of Musculoskeletal Medicine* 20(12): 553-560, 2003.

2013:

Bono C, Harris M, Warholic N, Katz J, Carreras E, White A, Schmitz M, Wood K, Losina E: Pain Intensity and Patients' Acceptance of Surgical Complication Risks With Lumbar Fusion. *Spine (Phila Pa 1976)* 38(2): 140-147, 2013.

2020:

Fuller C, Geiger K, Gomez C, Schmitz M: Traumatic Hangman's Fracture After Cervical Disk Arthroplasty with Device Intact: A Case Report and Literature Review. *North American Spine Society Journal {NASSJ}* 1 (2020) 100007; <https://joi.org/10.1016/j.xnsj.2020.100007>

Schmitz M: Response to: Casper, DS, et al. 2019. Medicaid reimbursement for common spine procedures: Are compensation rates consistent? *Spine* Volume 44 Number 22, pages 1585-1590; Deyo, RA. 2019. Point of view commentary " Medicaid reimbursement for common spine procedures: Are compensation rates consistent?" *Spine* 44(22): 1591-1592; *Spine* (Phila Pa 1976) 45(18): E1210-E1214; doi: 10.1097/BRS.0000000000003607.

Geiger K, Fuller C, Gomez C, Schmitz MA: Paramedian Approach to Coccygectomy in the Treatment of Chronic Coccydynia: A Technical Note. *J Minimally Invasive Spine Surgery and Technique* 5(2): 64-68, 2020. eISSN 2508-2043; <https://doi.org/10.21182/jmisst.2020.00143>

2021:

Schmitz MA: Commentary Regarding: COVID-19 Significantly Impacted Hospital Length of Stay and Discharge Patterns for Adult Spinal Deformity Patients. *Spine* (Phila Pa 1976). 46(22): 1557-1558

Porter M, BS, Schmitz M, MD. ACDF and Posterior Spinal Fusion revision for posterior nonunion with deformity, myelopathy, and osteoporosis in an 87-year-old: a Case Report and Literature Review; *International Journal of Surgery Case Reports*: PMID PMC8715042; <https://doi.org/10.1016/j.ijscr.2021.106650>

Porter M, Schmitz, M. Clinical evidence towards hypertensive pathogenesis of Posterior Reversible Encephalopathy Syndrome (PRES) in the setting of spinal fusion. *Journal of Investigative Medicine (JIM)*. 2021, Dec; Pub Status: **Accepted**

Porter M, Johnston M, Schmitz M. Radial styloid approach for unstable distal radius fracture open reduction and internal fixation. *Journal of Investigative Medicine (JIM)*. 2021, Dec; Pub Status: **Accepted**

Porter M, Schmitz, M. Multistage Combined Anterior-Posterior Decompression and Fusion as Corrective Intervention in octogenarian population with prior spinal fusion attempt and pseudarthrosis. *Journal of Investigative Medicine (JIM)*. 2021, Dec; Pub Status: **Accepted**.

2022:

Frolov D, BS, Porter M BS, Schmitz M, MD. Posterior Cervical Fusion of Occiput-T3 for Unstable Complex Odontoid Fracture in an 80-year-old male with C2-Sacrum Synostosis from Ankylosing Spondylitis: A Case Report; *Cureus*: PMID PMC9376032

Porter M, BS, Schmitz M, MD. Posterior Reversible Encephalopathy Syndrome with post-operative hematoma following C4-C6 spinal fusion: A Case Report *Journal of Bone & Joint Surgery Case Connector*: PMID 35763013

2023:

Zhu K, BS, Frolov D, BS, Porter M, BS, Johnston M, MA, Rusev M, MA, Schmitz M, MD. Radial Styloid Approach for Unstable Distal Radius Fracture Open Reduction and Internal Fixation; Accepted; *Journal of Orthopaedic Trauma*: Manuscript preparation.

## Book Chapters:

2011:

Schmitz MA, Lebl DR, Harris MB: Imaging of the Thoracic and Lumbar Spine During the Emergency Department Evaluation, In Vaccaro AR, Fehlings MG and Dvorak MF, Spine and Spinal Cord Trauma. Thieme, New York/Stuttgart: 95-108, 2011

Schmitz MA, Lebl DR, Harris MB: The Benefits of Early Stabilization of Spinal Fractures in the Trauma Patient, In Vaccaro AR, Fehlings MG and Dvorak MF, Spine and Spinal Cord Trauma. Thieme, New York/Stuttgart: 157-165, 2011

## Presentations:

1987:

Medical Student Research Training Program Seminar, University of Washington, under Edwin Krebs, MD and Steven Pelech, PhD. (Howard Hughes Medical Institute)

Characterization of a Trypsin Activated Kinase, A. Protein Kinase that may be distinct from Protein Kinase C.

1992:

Steadman-Hawkins Fellowship Annual Meeting, Vail, Colorado  
“Growth Factors in the Intraarticular Environment”

The Effect of Synovial Fluid on *in vitro* fibrogenesis

1993:

Charles Gregory Lectureship Series  
Dallas, Texas

The Effect of Acute and Chronic Knee Injury Synovial Fluid on *in vitro* chondrogenesis

“Orthopaedics” University of Texas Southwestern School of  
Allied Health/Dietician Department

1994:

27<sup>th</sup> Annual Residents’ Conference of the American  
Orthopaedic Association  
Atlanta, Georgia

The Effect of Synovial Fluid from Acute and Chronic Knee injuries and osteoarthritis on *in vitro* chondrocyte proliferation

Richards Annual Orthopaedic Resident’s Conference  
Memphis, Tennessee

The Effect of Smoking on Tibial Shaft Fracture Healing

“Orthopaedics” University of Texas Southwestern School of  
Allied Health/Dietician Department

“Orthopaedics” Dallas County LPN Association

1995:

62<sup>nd</sup> Annual American Academy of Orthopaedic Surgery Meeting  
Orlando, Florida

The Effect of Smoking on the Clinical Healing of Tibial Shaft Fractures.

Orthopaedic Trauma Association, 1995 Meeting  
Tampa Bay, Florida

The Effect of Smoking on the Clinical and Radiographic Healing of Tibial  
Shaft Fractures.

Charles Gregory Lectureship Series  
Dallas, Texas

The Effect of Smoking on the Clinical Healing of Tibial Shaft Fractures  
Healing

Steadman-Hawkins Fellowship Annual Meeting, 1995 Meeting  
Vail, Colorado

Serum versus Synovial Fluid Stimulation in *in vitro* human chondrocyte  
proliferation

7<sup>th</sup> Annual Sports Medicine conference for the primary Care Physician, 1996  
Meeting

Rochester, New York

“Pediatric Knee Pain”

“Anatomy of the Shoulder and Knee”

29<sup>th</sup> Annual Meeting of the Canadian Orthopaedic Research Society  
Halifax, Nova Scotia, June 3-4

The Effect of Smoking on Tibial Shaft Fracture Healing. Presenter:  
Maureen Finnegan, MD; Principal author: Miguel Schmitz, MD

50<sup>th</sup> Annual Meeting of the Canadian Orthopaedic Association  
Halifax, Nova Scotia, June 3-7

The Effect of Smoking on Tibial Shaft Fracture Healing. Presenter:  
Maureen Finnegan, MD; Principal author: Miguel Schmitz, MD

1996:

63<sup>rd</sup> Annual American Academy of Orthopaedic Surgery Meeting  
Atlanta, GA

Serum versus Synovial Fluid Stimulation in *in vitro* human chondrocyte  
proliferation

Linvatec Arthroscopy Conference in Sports Medicine  
Scottsdale, Arizona  
March 28-31

Autogenous serum stimulates *in vitro* chondrocyte proliferation more than  
synovial fluid from knees with acute and chronic injuries and osteoarthritis

*In vitro* and *in vivo* synthesis of matrix metalloproteases by human knee  
meniscal cells (Second Author)

1997:

64<sup>th</sup> Annual American Academy of Orthopaedic Surgery  
Meeting, San Francisco, CA

Results of Repeat Meniscus Repair

Interactive Media Broadcasting Company. "Life Accountability"  
sponsored by "Success Magazine" radio/internet interview with Terry  
Lyles, PhD. August 22 <http://www.imbc.com>

"Sports Medicine and Orthopaedics"

1998:

10<sup>th</sup> Combined Orthopaedic Association Meeting of the English  
Speaking World  
New Zealand

Results of Repeat Meniscus Repair. Presenter: Kenneth E. DeHaven,  
MD; Principal author: Miguel Schmitz, MD

10<sup>th</sup> Annual Combined Orthopaedic Association Meeting of the English  
Speaking World

New Zealand

Effect of Smoking on Healing of Tibial Shaft Fractures. Presenter:  
Maureen Finnegan, MD; Principal author: Miguel Schmitz, MD

25<sup>th</sup> Annual Spring Symposium  
Golden, Colorado  
April 15

Medical and Surgical Treatment of Cartilage Problems

4<sup>th</sup> Annual Colorado Athletic Trainer's Symposium  
Golden, Colorado  
August 5

Emergent Management of Joint Dislocations

8<sup>th</sup> Annual Colorado Sports Medicine Symposium  
Denver, Colorado  
August 28

Results of Repeat Meniscus Repair

Rocky Mountain Health & Fitness Exposition  
Denver, Colorado  
October 17

Athletic Injury of the Shoulder and Knee

Nurse Case Managers Luncheon  
Golden, Colorado  
November 5

Shoulder Pain-Diagnostic & Treatment Update

Referring Physician's Dinner-Lakewood Orthopaedic Clinic  
Golden, Colorado  
November 17

Diagnostic and Surgical Update on the Shoulder

Denver Medical Society to the Denver Public School System  
Denver, Colorado  
December 1

Sports Medicine

1999:

26<sup>th</sup> Annual Spring Orthopaedic Day  
Golden, Colorado  
April 9

Elbow Arthroscopy

2000:

Klamath Sports Medicine Symposium: The Knee  
Klamath Falls, Oregon  
Meeting founder  
August 5

2001:

68<sup>th</sup> Annual American Academy of Orthopaedic Surgeons  
San Francisco, California  
February 28

The Effect of ACL Deficiency and Reconstruction on Hip and Knee Bone  
Density

2<sup>nd</sup> Annual Klamath Sports Medicine Symposium  
Klamath Falls, Oregon  
May 19

The Shoulder: Diagnosis and Treatment

2002:

3<sup>rd</sup> Annual Klamath Sports Medicine Symposium  
Klamath Falls, Oregon  
April 20

The Knee: Diagnosis and Treatment

Oregon Academy of Family Physicians: 55<sup>th</sup> Annual Scientific Assembly &  
Congress

Eugene, Oregon  
May 17-18

Evaluation and Initial Management of Shoulder Problems



Evaluation and Initial Management of Knee Problems

Physical Exam of the Shoulder: a hands-on course. What's new on the horizon for management of shoulder problems.

Physical Exam of the Knee: a hands-on course. What's new on the horizon for management of knee problems.

28<sup>th</sup> Annual Meeting of the American Orthopaedic Society for Sports Medicine

Results of Repeat Meniscus Repair

Authors: Ilya Voloshin, Miguel Schmitz, Kenneth E. DeHaven  
Presenter: Ilya Voloshin

Orlando, Florida  
July 3

15<sup>th</sup> Annual Diamond Lake Seminar for Radiology Technicians

An Orthopaedic Perspective of Shoulder and Knee Injuries

Diamond Lake, Oregon  
September 14, 2002

2003:

4<sup>th</sup> Annual Sports Medicine Symposium  
Klamath Falls, Oregon  
May 31

Up to Our Ankles and Elbows; Klamath Falls

2004:

19<sup>th</sup> Annual Ken Tuttle Infectious Disease Seminar  
Case Presentation: Tuberculosis Arthritis in a Diabetic Charcot Foot

2005:

5<sup>th</sup> Annual Klamath Sports Medicine Symposium  
Klamath Falls, Oregon  
May 14

Shoulder Evaluation and Treatment Principles and Unusual Cases and  
Advances in Orthopaedics

Arthroscopy Association of North America: 24<sup>th</sup> Annual Meeting "E" Poster  
Vancouver, British Columbia, Canada

May 12-15

Transient Decreases in Peripheral Pulses after Uneventful Knee Arthroscopy; E-52

2009:

AO: Orthopaedic Trauma: Team Approach to Fracture Management: Introduction to Imaging; Spokane, Washington July 17-18

2010:

Selby Spine: Pain Intensity Influences Patients' Acceptance of Complications with Lumbar Fusion Surgery. Presenter; Co-authors: Christopher M. Bono MD, Natalie Warholic BS, Jeffrey N. Katz MD MSc, Mitchel B. Harris MD, William Reichman, Edward Carreras MD, Andrew White MD, Miguel Schmitz MD, Kirkham B. Wood MD, Elena Losina PhD; Park City, Utah February 6, 2010

Spokane County Medical Society: Spine Update 2010. Spokane, Washington April 14, 2010

2011:

Selby Spine: Effect of an irrigating radiofrequency bipolar device on open lumbar spine surgery blood loss. Presenter; Co-author: Ryan Saunders, PA-C; Park City, Utah February 3, 2011

2012:

Spokane Pain Conference; Surgical Options for the Treatment of Spine Pain; Spokane, Washington September 29, 2012

2014:

Deaconess Hospital Orthopedic Conference: Cauda Equina Syndrome and Compartment Syndrome; Spokane, Washington; September 9, 2014.

2015:

Deaconess Medical Center Orthopaedic Conference: Neurogenic spine pain: Evaluation and Management; Spokane, Washington; December 4, 2015.

2016:

Providence Holy Family Hospital Synthes Nursing Continuing Education Orthopaedic SMART lab; Spokane, Washington; March 12, 2016

CHS Deaconess Medical Center Synthes Nursing Continuing Education Orthopaedic SMART lab; Spokane, Washington; March 19, 2016

2019:

Washington State Assembly of the Association of Surgical Technologists;  
Spokane, Washington: October 19, 2019 SATURDAY, OCTOBER 19, 2019;  
2019 FALL WORKSHOP; “**Spine Surgery**”

2021:

SI BONE: Sacroiliac Conditions and Treatment; August 24, 2021

2022:

Porter M, Johnston M, Schmitz M. Radial styloid approach for unstable distal radius fracture open reduction and internal fixation. Orthopaedic Trauma Association Annual Meeting (OTA). 2022, Feb

Porter M, Nielsen Paal, Jones Brett, Cohoe, B, Johnston, M, Schmitz M Joined at the Hip: On Leadership and Orthopaedics. 2022 Health Occupation Students of America (HOSA) Washington State Leadership Conference; Spokane, WA. Status: **Completed**

Frolov D, Porter M, Schmitz M. Posterior cervical fusion of occiput-T3 for unstable complex odontoid fracture in 80-year-old male with C2-sacrum synostosis from ankylosing spondylitis: A case report and review of the literature. 2022 Northwest Inland Imaging Research Symposium.

Porter M, Schmitz M. Multistage Combined Anterior-Posterior Decompression and Fusion as Corrective Intervention in octogenarian population with prior spinal fusion attempt and pseudarthrosis. Midwest Clinical and Translational Research Meeting. 2022, March; Status: **Completed**

Porter M, BS, Johnston M, MA, Rusev M, MA, Schmitz M, MD. Radial Styloid Approach for Unstable Distal Radius Fracture Open Reduction and Internal Fixation; *2022 Eastern Medical Research Conference*, DOI: 10.1136/jim-2022-ERM

Porter M, BS, Nielsen P, BS, Jones B, BS, Cohoe B, BS, Johnston M, MA, Schmitz M, MD. Joined at the Hip: Leadership & Orthopaedics; *2022 Health Occupation Students of America Washington State Leadership Conference*: No Conference DOI

Porter M, BS, Schmitz M, MD. Clinical Evidence Towards Hypertensive Pathogenesis of Posterior Reversible Encephalopathy Syndrome in the Setting of Spinal Fusion; Poster Presentation; *2022 Eastern Medical Research Conference*, DOI: [10.1136/jim-2022-ERM](https://doi.org/10.1136/jim-2022-ERM)

Porter M, Schmitz, M MD. Multi-Stage Combined Anterior-Posterior Decompression and Fusion as Corrective Intervention in octogenarian Population with Prior Spinal Fusion Attempt and Pseudarthrosis; Poster Presentation; *2022*

*Midwest Clinical and Translational Research Meeting*, DOI: 10.1136/jim-2022-wrmc

Frolov D, BS, Porter M BS, Schmitz M, MD. Posterior cervical fusion of occiput-T3 for unstable complex odontoid fracture in 80-year-old male with C2-sacrum synostosis from ankylosing spondylitis: A case report and review of the literature; Poster Presentation; *2022 Northwest Inland Imaging Research Symposium*: No Conference DOI

Frolov D, BS, Porter M, BS, Schmitz M, MD. Posterior cervical fusion of occiput-T3 for unstable complex odontoid fracture in 80-year-old male with C2-sacrum synostosis from ankylosing spondylitis: A Case Report and Review of the Literature; Poster Presentation; *2022 American Academy of Physical Medicine and Rehabilitation Annual Assembly*, DOI: [10.1002/pmrj.12913](https://doi.org/10.1002/pmrj.12913);

Frolov, D, Porter M, Schmitz M. Posterior cervical fusion of occiput-T3 for unstable complex odontoid fracture in 80-year-old male with C2-sacrum synostosis from ankylosing spondylitis: A case report and review of the literature. *American Academy of Physical Medicine and Rehabilitation (AAPM&R) 2022 Annual Meeting*. Status: **Submitted**

2023:

Frolov D, BS, Zhu K, BS, Porter M, BS, Geiger K, MD, Fuller C, MD, Rusev M, MA, Schmitz M, MD. Mind the Gap: Paramedian Approach for Coccygectomy; *2023 Medical Student Orthopaedic Society Symposium*; Accepted

Zhu K, BS, Frolov D, BS, Porter M, BS, Rusev M, MA, Johnston M, MA, Schmitz, M MD. Radial Styloid Approach for Unstable Distal Radius Fracture Open Reduction and Internal Fixation; *2023 Medical Student Orthopaedic Society Symposium*: Submitted December 18, 2022; Accepted

Frolov D, BS, Zhu K, BS, Porter M, BS, Rusev M, MA, Johnston M, MA, Schmitz, M MD. Radial Styloid Approach for Unstable Distal Radius Fracture Open Reduction and Internal Fixation; *2023 Orthopaedic Trauma Association*: Submitted February 9, 2023 (with intent to withdraw from MSOS if selected)

Frolov D, BS, Zhu K, BS, Porter M, BS, Rusev M, MA, Geiger K, MD, Fuller C, MD, Schmitz M, MD. Mind the Gap: Paramedian Approach for Coccygectomy; *2023 WSU Academic Showcase*: No Conference

Zhu K, BS, Frolov D, BS, Schmitz M, MD. Open Reduction and Internal Fixation with Bone Morphogenic Protein-2 for Correction of Nonunion Humeral Shaft Fracture with Pseudoarthrosis in the Geriatric Population; *2023 WSU Academic Showcase*

Schmitz MA; **“Spine Surgery”**; Washington State Assembly of the Association of Surgical Technologists; Spokane, Washington: March 11, 2023



**Continuing Medical Education:**

1993:

American Academy of Orthopaedic Surgeons  
Course Title: Shoulder Problems in the Throwing Athlete  
Los Angeles, CA  
May 1

1995:

62<sup>nd</sup> Annual American Academy of Orthopaedic Surgeons Meeting  
Orlando, Florida  
February 16-21; 30.5 hours Category 1

62<sup>nd</sup> Annual AAOS: American Orthopaedic Society for Sports Medicine Specialty  
Day  
Orlando, Florida  
February 19; 7 hours Category 1

Orthopaedic Trauma Association Annual Meeting  
Tampa, Florida  
September 29-October 1; 17 hours Category 1

1996:

63<sup>rd</sup> Annual American Academy of Orthopaedic Surgeons Meeting  
Atlanta, Georgia  
February 22-26; 28.5 hours Category 1

63<sup>rd</sup> Annual AAOS: American Shoulder and Elbow Surgeons Specialty Day  
Atlanta, Georgia  
February 25; 8 hours Category 1

63<sup>rd</sup> Annual AAOS: American Orthopaedic Society for Sports Medicine  
Specialty Day  
Atlanta, Georgia  
February 25; 7 hours Category 1

Genzyme Tissue Repair Autologous Chondrocyte Implantation Course  
Cambridge, Massachusetts  
November 14

Cryolife, Inc/Arthrex Meniscus Reconstruction Course  
Naples, Florida  
December 7

1997:

64<sup>th</sup> Annual American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California  
February 13-17

ForTec Medical Inc. Laser Education Program(Holmium: YAG)  
Cincinnati, Ohio  
March 8

16<sup>th</sup> Annual Arthroscopy Association of North America Meeting, San Diego, California  
April, 23-26; 15.5 hours Category 1

Michigan Physicians Mutual Liability Company: 1997 MercyInsur Risk Management Seminar. St. Joseph Mercy hospital, Pontiac 2.0 Category 1 credits.

PICOM Insurance Company: PICOM Risk Management Education: 3 hours  
Category I.

AAOS Shoulder Surgery: Focused Perspectives on Open vs. Arthroscopic management, Chicago, Illinois  
December 6; 7 hours Category 1

1998:

65<sup>th</sup> Annual American Academy of Orthopaedic Surgeons Meeting, New Orleans, Louisiana  
March 19-23; 26.5 hours Category 1

65<sup>th</sup> AAOS Annual Meeting: American Shoulder and Elbow Surgery Specialty Day  
New Orleans, Louisiana  
March 22; 8.5 hours Category 1

65<sup>th</sup> AAOS Annual Meeting: American Orthopaedic Society for Sports Medicine Specialty Day  
New Orleans, Louisiana  
March 22; 6.75 hours Category 1

Southwestern Board Review Course  
The University of Texas Southwestern Medical Center,  
Dallas, Texas  
May 8-10

1999:

Level II Re-Accreditation Seminar. University of Colorado

Denver, Colorado; 14 hours-Category 1  
April 16-17

16<sup>th</sup> Arthroscopy and Arthroplasty of the Shoulder Meeting, San Diego,  
California June 23-26

Arthroscopy Association of North America: “The Masters Experience”  
Comprehensive Knee Arthroscopy course July 16-18, 1999, Rosemont, Illinois  
July 16-18

25<sup>th</sup> Annual American Academy of Orthopaedic Surgeons Summer Institute:

Management of Complex Fractures, Seattle, Washington; September 22-  
23, 1999

Complex Primary and Revision Total Hip and Knee Arthroplasty, Seattle,  
Washington; September 24-26, 1999

31 hours Category 1

14<sup>th</sup> Annual Infectious Disease Seminar-Category 1; Klamath Falls, Oregon 1999

2000:

Foot Surgery for the Practicing Orthopaedic Surgeon, #3546, Rosemont, Illinois;  
April 14-16, 2000; 19 hours-Category 1.

Arthroscopy Association of North America: “The Masters Experience” Wrist  
Arthroscopy course, Rosemont, Illinois; May 6-7, 2000; 17.5 hours-Category I.

26<sup>th</sup> Annual American Orthopaedic Society for Sports Medicine Meeting, Sun  
Valley, Idaho; June 18-21, 2000

26<sup>th</sup> Annual AOSSM: 1<sup>st</sup> Annual Young Sports Medicine Specialists’ Workshop,  
Sun Valley, Idaho; June 18, 2000; 2 hours-Category 1.

26<sup>th</sup> Annual AOSSM: Patellofemoral Controversies: McConnell, Maquet and  
Beyond, 26<sup>th</sup> Annual AOSSM Meeting, Sun Valley, Idaho; June 19, 2000; 1.5  
hours-Category 1.

26<sup>th</sup> Annual AOSSM: Osteotomies About the Knee for the Aging Athlete, 26<sup>th</sup>  
Annual AOSSM Meeting, Sun Valley, Idaho; June 20, 2000; 1.5 hours-Category  
1.

26<sup>th</sup> Annual AOSSM: The Elbow: Reconstruction, Fixation and Trauma  
Management. Rosemont, Illinois; November 3-5, 2000; 18 hours-Category 1.



2001:

68<sup>th</sup> Annual American Academy of Orthopaedic Surgeons Meeting, San Francisco, California; February 28, 2001-March 4, 2001; 28.5 hours Category 1

68<sup>th</sup> AAOS Meeting: Allograft Meniscus Transplantation: Indications, Surgical Techniques, and Results, San Francisco, California; March 4, 2001.

68<sup>th</sup> AAOS Meeting: Current Legal Pitfalls in Orthopaedic Practice, San Francisco, California; March 2, 2001.

68<sup>th</sup> AAOS Meeting: Developing and Enhancing the Utilization of Physician Assistants in an Orthopaedic Practice, San Francisco, California; February 28, 2001.

68<sup>th</sup> AAOS Meeting: American Orthopaedic Society for Sports Medicine Specialty Day, San Francisco, California; March 3, 2001; 7 hours-Category 1.

20<sup>th</sup> Annual Arthroscopy Association of North America Meeting, Seattle, Washington; April 19-22, 2001; 16 hours-Category 1

20<sup>th</sup> AANA Meeting: Enhancing Your Orthopaedic Practice Through Ancillary Services, Seattle, Washington; April 21, 2001; 1.5 hours-Category 1

Current Concepts in Knee Arthroscopy, Bend, Oregon; July 14, 2001; 6 hours-Category 1.

The Shoulder: AOSSM Surgical Skills Course; September 28-30, 2001; 21 hours-Category 1

Strategies to Improve Outcomes in Joint Replacement: Featuring Live Surgeries, La Quinta, California, October 18-20, 2001, 18 hours-Category 1

Strategies to Improve Outcomes in Joint Replacement Shoulder and Elbow Surgery: Featuring Cadaver Surgery, La Quinta, California, October 20, 2001, 5 hours-Category 1

2002:

69<sup>th</sup> Annual American Academy of Orthopaedic Surgeons Meeting, Dallas, Texas; February 13, 2002-February 17, 2002; 28 hours Category 1

69<sup>th</sup> AAOS Meeting: Diagnosis and Management of Pain in an Orthopaedic Practice, Dallas, Texas; February 13, 2002.

69<sup>th</sup> AAOS Meeting: Techniques for Arthrodesis of the Foot and Ankle, Dallas, Texas; February 15, 2002.

69<sup>th</sup> AAOS Meeting: Computer-Based Multimedia Presentations, Dallas, Texas; February 13, 2002.

69<sup>th</sup> AAOS Meeting: Understanding the Numbers: Basic Practice Financial Management, Dallas, Texas; February 13, 2002.

Arthroscopy Association of North America 2002 Specialty Day, Dallas, Texas; February 16, 2002/ 7.5 hours Category 1

3<sup>rd</sup> Annual Klamath Basin Sports Symposium-The Knee; Klamath Falls, Oregon; April 20; 5 hours-Category 1

17<sup>th</sup> Annual Ken Tuttle Infectious Disease Seminar; Klamath Falls, Oregon; November 1; 7 hours-Category 1

2003:

Minimally Invasive Spine Surgery; St. Louis, MO; April 4-6, 2003; 20 hours-Category 1

4<sup>th</sup> Annual Sports Medicine Symposium: Up to Our Ankles and Elbows; Klamath Falls, OR; May 31, 6 hours-Category 1

AOSSM Annual Meeting, San Diego, CA; July 20-23, 12.5 hours-Category 1

AOSSM Annual Meeting Instructional Course Lecture: PCL Injuries: Isolated and Combined; July 20, 1.5 hours-Category 1

AOSSM Annual Meeting, Instructional Course Lecture: Complex ACL Deficiency: Open Physis, Revision, Associated Ligamentous Laxity, Graft Selection, and Arthritis with Instability; July 21, 1.5 hours-Category 1

AOSSM Annual Meeting; Instructional Course Lecture: Cervical Spine and Brachial Plexus Injuries in Sports; July 22, 1.5 hours-Category 1

Stryker Howmedica Osteonics EIUS Uni Knee and Avon Patello-Femoral System Course; La Jolla, CA; Scripps Clinic; September 19, 2003

Oregon Medical Association; New Frontiers in Risk Management; Bend, OR; October 18, 2.5 hours-Category 1

2004:

Arthroscopic Surgery 2004: Robert Metcalf, MD Memorial; Sun Valley, OR; January 31-February 3, 21.0 hours-Category 1

19<sup>th</sup> Annual Ken Tuttle Infectious Disease Seminar; Klamath Falls, OR; October 29, 7.0 hours-Category 1

Oregon Chapter, Western Orthopaedic Association, Annual Meeting, Shoulder Update; Gleneden Beach, OR; November 12-14, 10.5 hours-Category 1

2005:

Arthroscopy Association of North America 2005 Winter Course; Whistler, BC; January 8-11, 17.5 hours Category 1

72<sup>nd</sup> Annual American Academy of Orthopaedic Surgeons Meeting, Washington, D.C.; February 23-27; 28 hours Category 1

Federation of Spine Associations Specialty Day, Washington, D.C.; February 26, 2005; 7.5 hours Category 1

American Orthopaedic Society for Sports Medicine; February 26; 7.5 hours Category 1

5<sup>th</sup> Annual Klamath Sports Medicine Symposium: Shoulder Evaluation and Treatment Principles and Unusual Cases and Advances in Orthopaedics; Klamath Falls, OR; May 14; 6.5 hours-Category 1

American Orthopaedic Society for Sports Medicine[General Meeting]; Keystone, CO; July 14-17, 2005; 14 hours Category 1

American Orthopaedic Society for Sports Medicine: AC Joint Injuries; Keystone, CO; July 14-17, 2005; 1.5 hours Category 1

American Orthopaedic Society for Sports Medicine: Ligament Injuries of the Elbow; Keystone, CO; July 14-17, 2005; 1.5 hours Category 1

American Orthopaedic Society for Sports Medicine: What Doesn't Work-Complications: Lower Extremity; Keystone, CO; July 14-17, 2005; 1.5 hours Category 1

Arthroscopy Association of North America: Hip Arthroscopy; Orthopaedic Learning Center; Rosemont, IL; August 19-21, 2005; 16 hours Category 1 credits

American Academy of Orthopaedic Surgeons: Evolving Techniques and "Gold Standard" Procedures for Ankle Arthritis; Rosemont, IL; September 30-October 2, 2005; 20 hours Category 1

2006:

Oregon Medical Association: Advanced Training in Risk Management; Bend, OR; September 30, 2006; 2.5 hours Category 1

AO ASIF Advanced Concepts in the Management of Spinal Disorders; Scottsdale, AZ; October 26-28, 2006; 22.25 hours AMA PRA Category 1

American Academy of Orthopaedic Surgeons: Modern Techniques in Spinal Surgery; Rosemont, IL; November 16-18, 2006; 23 hours Category 1

2007:

Commitment & Compassion: Pain Management and Palliative Care Web Edition-#5E015WEB; University of Oklahoma College of Medicine; January 1, 2007; 12 hours Category 1

Advancing Pain Management in Oregon Web Edition; Oregon Department of Human Services; January 1, 2007; 1 hour Category 1

74<sup>nd</sup> Annual American Academy of Orthopaedic Surgeons Meeting, San Diego, California; February 14-18, 2007; 31 hours Category 1

American Orthopaedic Society for Sports Medicine Specialty Day; San Diego, California; February 17, 2007; 7.5 hours Category 1

Federation of Spine Associations Specialty Day; San Diego, California; February 17, 2007; 8.5 hours Category 1

Nuvasive Marquis Visit Program for XLIF; San Diego, California; February 16, 2007

Selective Exposures in Orthopedic Surgery: The Spine; August 11, 2007; 3 hours DVD

SRO 4 Spine Surgery: Evolving Applications and Techniques; August 26, 2007; 6 hours AMA PRA

AAOS Board Maintenance of Certification Preparation and Review #3127; Cambridge, MA; December 6-9, 2007; 24 hours PRA Category 1 Credits

AAOS Board Maintenance of Certification Preparation and Review #3127; Pre- and Post-Course Sample Test Questions. Cambridge, MA; December 6-9; 4 hours PRA Category 1 Credits.

2005 Orthopaedic Self-Assessment Examination. American Academy of Orthopaedic Surgeons. December 31, 2007

2008:

American Board of Orthopaedic Surgery Recertification. Brookline, MA; April 30; 25 hours AMA PRA Category 1 Credits.

Medtronic Course: Direct Lateral Access Program. Rocky Hill, CT; June 11, 2008.

2008 AOSSM/AAOS Review Course for Subspecialty Certification. Chicago, IL; August 1-3, 2008; 18.75 AMA PRA Category 1 Credits

Medtronic MAST DLIF. Spokane, WA; September 19-20, 2008

2009:

AAOS Annual Meeting. Las Vegas, NV; February 25-28, 2009; 27 AMA PRA Category 1 Credits

Federation of Spine Associations Meeting. Las Vegas, NV; February 28, 2008; 8.5 AMA PRA Category 1 Credits

Medtronic Minimal Access Spinal Technologies (MAST) DLIF. Las Vegas, NV; February 26, 2009

AAOS/Saint Louis University: Novel Minimally Invasive Techniques for Lumbar Spine Surgery. Saint Louis, MO; March 20-21, 2009; 16 AMA PRA Category 1 Credits

Arthroscopy Association of North America: 2009 Annual Meeting. San Diego, CA; April 30-May 3; 16 AMA PRA Category 1 Credits

AANA: How to Perform Rotator Cuff Repair. San Diego, CA; April 30; 1.5 AMA PRA Category 1 Credits

AANA: How to be more productive and satisfied during our practice years. San Diego, CA; May 1; 1.5 AMA PRA Category 1 Credits

AANA: Advanced Hip Arthroscopy. San Diego, CA; May 2; 1.5 AMA PRA Category 1 Credits

NASS [North American Spine Society] Annual meeting. San Francisco, CA; November 11-14, 2009; 28 AMA PRA Category 1 Credits

2010:

Selby Spine. Park City, Utah February 3-6, 2010; 12.5 AMA PRA Category 1 Credits

Spokane County Medical Society: Spine Update 2010. Spokane, Washington April 14, 2010; 3 AMA PRA Category 1 Credits

AO Spine Breakthroughs in Spine Surgery: “A critical review of major accomplishments in spine care”. October 1-2, 2010; Seattle, WA

North American Spine Society 25<sup>th</sup> Annual Meeting. Orlando, Florida October 5-9, 2010; 27.25 AMA PRA Category 1 Credits

2011:

Selby Spine. Park City, Utah February 3-5, 2011; 12.5 AMA PRA Category 1 Credits

K2 Complex Spine Course. San Diego, California March 25-26, 2011; No credits; Industry sponsored meeting

Stryker Spine Course. Las Vegas, Nevada May 6, 2011; No credits; Industry sponsored meeting

Washington State Orthopaedic Association; 2011 WSOA Spokane Regional Meeting; Spokane, Washington May 20, 2011

Washington State Medical Association; “The Future of Information Technology in Health Care”; 1 AMA PRA Category 1 Credit

Washington State Medical Association; “Making Integration Work”; 1 AMA PRA Category 1 Credit

Washington State Medical Association; “Physician, Cherish Thyself-Don Keith Lecture on Physician Health”; 1 AMA PRA Category 1 Credit

North American Spine Society; “Technique Workshop: Minimal Access to the Lateral Lumbar Spine”; 3.75 AMA PRA Category 1 Credits; Chicago, IL November 2, 2011

North American Spine Society; “NASS 26<sup>th</sup> Annual Meeting”; 13 AMA PRA Category 1 Credits; Chicago, IL November 2-5, 2011

Orthopaedic Self-Assessment Examinaton 2011 (OSAE) Scored and Recorded. AAOS; 20 AMA PRA Category 1 Credits.

Orthopaedic Knowledge Update 10 Home Study Program. AAOS. 50 AMA PRA Category 1 Credits.

2012:

Medtronic MAST™ Techniques Custom Training Course; Sunnyvale, CA March 23, 2012

Spokane Pain Conference; 7 AMA Category 1 Credits; Spokane, WA September 29, 2012

SI FIX: Diagnosis and treatment options for sacroiliac joint conditions; Beverly Hills, CA December 15, 2012

Globus Medical Preceptorship and laboratory in Sacroiliac fusion under Louis Rappoport, MD December 17, 2012

2013:

Depuy Reverse Total Shoulder observation under Carl Basamania; Seattle, WA; January 16, 2013

Hip Arthroscopy; Femoral Acetabular Impingement Surgical observation under Shane Nho, MD; Rush Oak Park Hospital; Chicago, IL February 22, 2013

Arthroscopy Association of North America; Hip Arthroscopy course and lab; LC 204; 12 AMA PRA Category 1 Credits; Rosemont, IL February 22-23, 2013

North American Spine Society: Evaluation and Treatment of Adult Spinal Deformity: Skull to Sacrum; 13.5 AMA PRA Category 1 Credits; Burr Ridge, IL April 5-6, 2013

American Orthopaedic Society for Sports Medicine Annual Meeting; Main Registration; 13.75 AMA PRA Category 1 Credits; Chicago, IL July 11-14, 2013

American Orthopaedic Society for Sports Medicine Annual Meeting; Shoulder Instability; 1.5 AMA PRA Category 1 Credits; Chicago, IL July 11-14, 2013

American Orthopaedic Society for Sports Medicine Annual Meeting; Live Surgical Demonstrations Upper Extremity; 4.25 AMA PRA Category 1 Credits; Chicago, IL July 11-14, 2013

American Orthopaedic Society for Sports Medicine Annual Meeting; Ultrasound; 1.5 AMA PRA Category 1 Credits; Chicago, IL July 11-14, 2013

American Orthopaedic Society for Sports Medicine Annual Meeting; Are SLAP repairs going the way of the dinosaur?; 1.5 AMA PRA Category 1 Credits; Chicago, IL July 11-14, 2013

American Academy of Orthopaedic Surgeons; Self Scored Self-Assessment Examination 2011; 10 AMA PRA Category 1 Credits

Musculoskeletal Tumors and Diseases Self-Score Self-Assessment Examination 2011; 10 AMA PRA Category 1 Credits

Upper Extremity Self-Scored Self-Assessment Examination 2011; 15 AMA PRA Category 1 Credits

Anatomy-Imaging Self-Scored Self-Assessment Examination 2011. AAOS. Upper Extremity Self-Score Self-Assessment Examination 2011. AAOS. 10 AMA PRA Category 1 Credits.

North American Spine Society Annual Meeting. New Orleans; 16.50 AMA PRA Category 1 Credits; New Orleans, LA October 9-13, 2013

LDR Mobi-C Surgeon Training Course. Seattle, Washington; October 26, 2013

2014:

Hip Arthroscopy; Surgical observation under Stephen Aoki, MD; University of Utah; Salt Lake City, UT; July 10, 2014

Medical Examiner's Handbook Examination; Washington State Medical Association and Washington state Department of Labor and Industries; Spokane, WA; 3 AMA PRA Category 1 Credits; August 1, 2014

Sports Medicine Self-Assessment Examination 2013; 10 AMA PRA Category 1 Credits.

Pediatric Orthopaedic Self-Assessment Examination 2013; 10 AMA PRA Category 1 Credits.

JAAOS SAE: Based on October 2012 through March 2013 issues; 10 AMA PRA Category 1 Credits.

JAAOS SAE CME: Based on April through September ;2013 issues; 10 AMA PRA Category 1 Credits.

Selective Exposures in Orthopaedic Surgery: The Spine 2<sup>nd</sup> Edition. AAOS; 5 AMA PRA Category 1 Credits.

SRO 06: Wrist Fractures: Treatment Principles and Techniques AAOS. 6 AMA PRA Category 1 Credits.



Arthroscopic Surgical Techniques: Rotator Cuff Repair AAOS. 6 AMA PRA Category 1 Credits.

2015:

Massachusetts Medical Society: Corporate Compliance and MA/Part D, Fraud, Waste and Abuse; 1.5 AMA Category 1 Credits; May 17, 2015

Massachusetts Medical Society: HIPPA Privacy & Security Including Omnibus Rule; 1.5 AMA Category 1 Credits; May 17, 2015

Massachusetts Medical Society: OSHA Safety & Bloodborne Pathogens; 1.5 AMA Category 1 Credits; May 17, 2015

Massachusetts Medical Society: Human Resources; 1.5 AMA Category 1 Credits; May 17, 2015

American Academy of Orthopaedic Surgeons: Webinar: Finding Value in Value Based Payment Models; May 12, 2015

American Academy of Orthopaedic Surgeons: Webinar: Hospital Consolidation, Employment, and Co-management; March 17, 2015

American Academy of Orthopaedic Surgeons: Webinar: PQRS, the Physician Value-Based Modifier, and CMS's Proposed elimination of Global Surgical Payments; January 27, 2015

American Academy of Orthopaedic Surgeons: Webinar: Unlocking Meaningful Use: Keys to Successful Reporting; January 6, 2015

Stryker Fall {Spine} Deformity Symposium. Las Vegas, NV; November 6-7, 2015

Orthopaedic In-Training Scored and Recorded Examinations 2014. AAOS. 20 AMA Category 1 credits

Adult Reconstructive Surgery of the Hip and Knee Self-Scored Examination 2013. AAOS. 10 AMA Category 1 credits

Orthopaedic Basic Science Self-Scored Examination AAOS. 2013. AAOS. 10 AMA Category 1 credits

2016:

12<sup>th</sup> Annual Evidence & Technology Spine Summit. 16.50 AMA PRA Category 1 Credits; Park City, UT; February 24-27, 2016

Zyga Symmetry SIJ Fusion System Surgical Certification Course. Spokane, WA; April 13, 2016

OSHA SAFETY & BLOODBORNE PATHOGENS; Massachusetts Medical Society; July 6<sup>th</sup>, 2016; 2.5 AMA PRA Category 1 Credits

HIPAA Privacy & Security Including Omnibus Rule; Massachusetts Medical Society; July 6<sup>th</sup>, 2016; 1.50 AMA PRA Category 1 Credits

Corporate Compliance and MA/Part D, Fraud, Waste and Abuse; Massachusetts Medical Society; July 6<sup>th</sup>, 2016; 1.50 AMA PRA Category 1 Credits

AOSSM/AAOS Orthopaedic Sports Medicine Review Course; August 12-14, 2016; 17.75 AMA PRA Category 1 Credits

Deaconess Medical Center: The Economics Behind Medicare's Triple Aim Approach: What it means for Hospital markets by Victoria Phillips, PhD; Spokane, WA; October 2016; 1 AMA PRA Category 1 Credit

North American Spine Society Annual Meeting. Boston, MA; October 26-29, 2016; 27 AMA PRA Category 1 Credits

2017:

3<sup>rd</sup> Annual Advanced Lateral Approaches to the Spine. Seattle, WA; Seattle Science Foundation; February 25, 2017; 9.0 AMA PRA Category 1 Credits

American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA; March 16-18; 16.50 AMA PRA Category 1 Credits

American Orthopaedic Society for Sports Medicine. Specialty Day. San Diego, CA; March 18; 8 AMA PRA Category 1 Credits

Massachusetts Medical Society: Corporate Compliance and MA/Part D, Fraud, Waste and Abuse. September 4; 1.5 AMA PRA Category 1 Credits

Massachusetts Medical Society: HIPAA Privacy & Security Including Omnibus Rule. September 4; 1.5 AMA PRA Category 1.5 Credits

Massachusetts Medical Society: OSHA Safety & Bloodborne Pathogens. September 4; 2.5 AMA PRA Category 1 Credits

AAOS/ASES Management of Massive Rotator Cuff Tears: Repair to Replacement #3086. September 15-16; 13.75 AMA PRA Category 1 Credits

Litigation Education Retreat. The Doctors Company. November 4, 2017; 5.75 AMA PRA Category 1 Credits.

2018:

NetCE #96402 Depression and Suicide. January 1, 2018; 15 AMA PRA Category 1 Credits

Musculoskeletal trauma scored and recorded self-assessment examination 2015; AAOS; 10 AMA PRA category 1 credits

Adult spine scored and recorded self-assessment examination 2015; AAOS; 10 AMA PRA category 1 credits

Orthopedic knowledge update 11: Scored and recorded self-assessment examination; AAOS; 20 AMA PRA category 1 credits

Foot and ankle scored and recorded self-assessment examination 2015; AAOS; 10 AMA PRA category 1 credits

Orthopedic knowledge update 11 home study program; AAOS; 50 AMA PRA category 1 credits

Globus Medical: SECURE-C Cervical Artificial Disc Surgeon Training Program; March 27, 2018

2019:

North American Spine Society Annual Meeting 2019; Chicago, IL:

Symposium: Clinical Management of Spinal Cord Injury: Current Literature and Experience; 1.50 AMA PRA category 1 credits; 9/25/2019

Symposium: Endoscopic Spine Surgery: New Techniques and Outcomes 1.00 AMA PRA category 1 credits; 9/25/2019

Symposium: Predictive Analysis and Data Utilization to Improve Patient Assessment and Outcomes in Adult Spinal Deformity Surgery 1.50 AMA PRA category 1 credits; 9/25/2019

Symposium: Ambulatory Surgical Centers: Is This the Next Big Thing? 1.00 AMA PRA category 1 credits 9/25/2019

Section on Biologics and Basic Research: BMP in 2019: The Biologic Hasn't Changed, but the Evidence Has 1.00 AMA PRA category 1 credits 9/25/2019

Symposium: Section on Biologics and Basic Research: Biologics in Spine Surgery: Back to the Future 1.50 AMA PRA category 1 credits 9/25/2019

Interdisciplinary Spine Forum: Future of Spine Care: How Will Spine Care Adapt to the Changing Dynamics of Healthcare Delivery? 1.00 AMA PRA category 1 credits 9/26/2019

Symposium: Using Regenerative Medicine to Treat Chronic Pain Emanating from the Spine 1.00 AMA PRA category 1 credits 9/26/2019

Symposium: A Global Perspective on Cervical Spine (International) 1.50 AMA PRA category 1 credits 9/27/2019

Symposium: Lateral Approach Spine Surgery (co-sponsored with SOLAS) 1.50 AMA PRA category 1 credits 9/27/2019

Surgical Technique Cadaver Demonstrations: Endoscopic Spine Surgery 1.75 AMA PRA category 1 credits 9/27/2019

Surgical Technique Cadaver Demonstrations: MIS Tubular Decompression 1.75 AMA PRA category 1 credits 9/27/2019

Symposium: A Look at Medicare for All Prospects, the Legacy of the ACA and the Path Forward for American Health Care 1.50 AMA PRA category 1 credits 9/27/2019

Surgical Technique Cadaver Demonstrations: Cervicothoracic Osteotomy for Cervical Kyphosis 1.75 AMA PRA category 1 credits 9/27/2019

Surgical Technique Cadaver Demonstrations: Spinal Deformity Correction 2.00 AMA PRA category 1 credits 9/27/2019

Symposium: Spine Injuries Associated with Contact Sports Part II 1.00 AMA PRA category 1 credits 9/28/2019

Symposium: Emerging Technologies in Spine Surgery: Essentials of Navigation and Robotics 1.50 AMA PRA category 1 credits 9/28/2019

2020:

NAVIGATING THE OSTEOBIOLOGIC LANDSCAPE: WHAT FACTORS INFLUENCE YOUR CHOICE? Advisory Board Cerapedics Sonoma, CA

2021:

AAOS Meeting: August 31, 2021 through September 3, 2021. San Diego, CA; 28.5 AMA PRA category 1 credits:

Comprehensive Approach to Complex Revision Total Hip Arthroplasty

Current State of Total Disc Replacement

Minimally Invasive Surgery versus Standard Open Techniques in the Lumbar

Spine: Indications, Contraindications, and Controversies

Leadership in Orthopaedics: How to be your own Chief Operations Officer whether Leading in the Operating Room or Orchestrating from the Podium

The Spine and Its Influence on Total Hip Arthroplasty and Instability

Management of Humeral and Glenoid Bone Deficiency in Shoulder Arthroplasty

Difficult Revision Total Hip Arthroplasties Through an Anterior Approach: Extensile Expansions of Anterior Approach for Revisions, Complex

Coding and Reimbursement for Practicing Surgeons: The Present and the Future

Bullying in Orthopaedic Surgery: The Perfect Crime

Do a Better Total Hip Arthroplasty: Tips and Tricks to Enhance Your Outcomes in Both Simple and Complex Cases

How Do I Get Out of this Problem? Effectively Solving Common Intraoperative and Early Postoperative Challenges in Primary Total Knee Arthroplasty

SCAPULA Posterior Surgical Approaches--Variations on The Classic Judet

Musculoskeletal Ultrasound of the Extremities: Clinical and Ultrasonographic Correlation

The Business of Medicine: Hospital-Based, Academic, Private Practice – Learning How to Succeed

All Patients Safe: Suicide Prevention for Medical Providers. University of Washington Department of Psychiatry; September 2021; 6.0 AMA PRA category 1 credits

North American Spine Society Annual Meeting 2021 OnDemand; Released October 2, 2021; 91.75 AMA PRA category 1 Credits

2022:

Compliance, Privacy and Security Education and Quality and CIA overview  
2022; Swedish Medical Center; Seattle, Washington; 1.5 AMA PRA category 1  
credits