

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

Office: Alpine Orthopaedic and Spine, P.C.
212 East Central; Suite 365
Spokane, WA 99208
www.AlpineOrthoSpine.com
Telephone: 509-435-0973
miguel-schmitz@hotmail.com

ACTIVE LICENSURE: OR
WA
CO
CA

BOARD CERTIFICATION: American Board of Orthopaedic Surgery, Inc.
July 16, 1998 through December 31, 2018

HOSPITAL AFFILIATIONS:

Holy Family Medical Center
5633 N. Lidgerwood
Spokane, WA 99208
August 1, 2008-Current

Deaconess Medical Center
800 W 5th Avenue
Spokane, WA 99204
February 1, 2009-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

EDITORSHIPS:

Orthopaedic editor for www.eMedicine.com
July 2000-2007

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 and associates
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

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
Helena, MT
August 1982-May 1986

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

Employment History:

Alpine Orthopaedic & Spine, PC
220 East Rowan; Suite 230
Spokane, WA 99207

Spokane Orthopedic Clinic
220 East Rowan; Suite 100
Spokane, WA 99207

Massachussetts 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

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

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
3/31/98-6/29/99

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(1986-2002)

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)

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

American Board of Orthopaedic Surgery Recertification:
2008: 99th Percentile

American Board of Orthopaedic Surgery Subspecialty Certification for Sports Medicine:
2008: 95th Percentile

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.

Presentations:

1987:

Medical Student Research Training Program Seminar, University of Washington

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:

27th 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:

62nd 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

7th Annual Sports Medicine conference for the primary Care Physician, 1996 Meeting
Rochester, New York

“Pediatric Knee Pain”

“Anatomy of the Shoulder and Knee”

29th 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

50th 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:

63rd 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:

64th 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:

10th 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

10th 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

25th Annual Spring Symposium
Golden, Colorado
April 15

Medical and Surgical Treatment of Cartilage Problems

4th Annual Colorado Athletic Trainer's Symposium
Golden, Colorado

August 5

Emergent Management of Joint Dislocations

8th 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:

26th 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:

68th Annual American Academy of Orthopaedic Surgeons
San Francisco, California
February 28

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

2nd Annual Klamath Sports Medicine Symposium
Klamath Falls, Oregon
May 19

The Shoulder: Diagnosis and Treatment

2002:

3rd Annual Klamath Sports Medicine Symposium
Klamath Falls, Oregon
April 20

The Knee: Diagnosis and Treatment

Oregon Academy of Family Physicians: 55th 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.

28th 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

15th Annual Diamond Lake Seminar for Radiology Technicians

An Orthopaedic Perspective of Shoulder and Knee Injuries

Diamond Lake, Oregon

September 14, 2002

2003:

4th Annual Sports Medicine Symposium

Klamath Falls, Oregon

May 31

Up to Our Ankles and Elbows; Klamath Falls

2004:

19th Annual Ken Tuttle Infectious Disease Seminar

Case Presentation: Tuberculosis Arthritis in a Diabetic Charcot Foot

2005:

5th 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: 24th 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

Continuing Medical Education:

1993:

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

1995:

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

62nd 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:

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

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

63rd 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:

64th 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

16th 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:

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

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

65th 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

16th 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

25th 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

14th 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.

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

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

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

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

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

2001:

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

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

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

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

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

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

20th 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:

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

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

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

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

69th 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

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

17th 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

4th 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

19th 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

72nd 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

5th 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

74nd 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

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

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

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

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