

**CURRICULUM VITAE
AND
CONTINUING MEDICAL EDUCATION**

MARK NICHOLAS PERLMUTTER, MS, MD, FICS, FAANOS

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v.020120

EDUCATION

Rutgers University, Cook College (9/1973 – 7/1975)

Ohio State University

Bachelor of Science (9/1975 – 6/1977)

Pre-Veterinary Program, Department of Animal Sciences

Master of Science, College of Medicine, Department of Physiology (6/1977 – 6/1985)

Allied Medical Physiology: Teaching Assistant to Nursing and Pharmacy Students

Graduate Physiology: Teaching Assistant and Lecturer to Graduate and Optometry Students

Medical Physiology: Teaching Assistant to Medical Students

Neurophysiology & Neuroanatomy: Instructor to Neurosurgery Residents, Medical Students

Ohio State University College of Medicine (6/1983 – 6/1985)

Jefferson Medical College of Thomas Jefferson University

Doctorate in Medicine (7/1985 – 6/1987)

Lankenau Medical Center, Wynnewood, Pennsylvania / Jefferson Medical College

General Surgery Internship (7/1987 – 6/1988)

Thomas Jefferson University Hospital / Pennsylvania Hospital

Orthopedic Residency (7/1988 – 6/1992)

Jackson Memorial Hospital / University of Miami, Department of Orthopedic Surgery, Division of Hand Surgery - Fellowship in Hand Surgery (7/1992 – 7/1993)

BOARD CERTIFICATION

American Board of Clinical Orthopedic Surgery (2009)

MEDICAL AND SCIENTIFIC SOCIETIES

Alpha Omega Alpha Honor Medical Society

American College of Sports Medicine

SICOT, The International Society of Orthopedic Surgery and Traumatology

Pennsylvania Medical Society

American Medical Association

Blue Cross of Northeastern PA, Patient Care Management Committee
Hands Healing Hearts, Medical Director
King's College Physician Assistant Program, Senior Adjunct Faculty Member 2000-2005
Columbia County Medical Society
North Central Pennsylvania Orthopedic Society
Make-A-Wish Advisory Board of Northeastern Pennsylvania, 2000-2004
Riverside Rehabilitation, Medical Director, 2002-2004
Occupational Medicine Disorders: A Multidisciplinary Conference, Chairman, 2007
Orthopedics Overseas, Surgeons Circle, 2007-2014
American Academy of Neurological and Orthopedic Surgeons, 2008
Luzerne County Medical Society, President, Hazleton Area Chapter, 2008-2011
Luzerne County Medical Society, Board of Directors, 2009-2010
Fellow International College of Surgeons, March 7, 2011
AMA Advisory Committee, International College of Surgeons, 2013 - 2019
Planning Committee and the Education and Scientific Organizing Committee, American Academy of Neurologic and Orthopaedic Surgery
Ethics and Grievance Committee, International College of Surgeons, 2013 - 2018, 2020
North Carolina Orthopaedic Association, 2015 - Present
Member, Board of Regents, International College of Surgeons, 2014 - Present
Board of Directors, American Academy of Neurologic and Orthopedic Surgery, 2014 - Present
The Universal Health Care Working Group, G4 Alliance, Member, 2019
International College of Surgeons, CME committee, 2018 - Present
International College of Surgeons, Clinical Training by Surgical Teams Committee, 2018 - Present
The G4 Alliance Board of Directors, 2018 - Present
Vice President, International College of Surgeons, United States Section, 2018 - 2019
Treasurer, International College of Surgeons, United States Section, 2020 - 2021
Executive Committee, International College of Surgeons, 2018 - Present
President, American Academy of Neurologic and Orthopedic Surgery, 2018 - 2020
Board member, The World Surgical Foundation, 2019 - Present

ACKNOWLEDGEMENTS

[American Academy of Orthopedic Surgeons Bulletin *Frontlines*, Featured Article: Looking for a Few Good Teachers- Orthopedist Committed to Sharing Knowledge, Restoring Hope to Disadvantaged \(4/2002\), <http://www.aaos.org/wordhtml/bulletin/aproz/fline4.htm>](http://www.aaos.org/wordhtml/bulletin/aproz/fline4.htm)

ICSABER Society Award for Distinguished Research in Biomedical Sciences (1981)
Bucket and Dipper, Junior Men's Honorary (1982)
The Ohio State University Student Leadership Award (1985)
Samuel J. Roessler Research Fellowship Award (1985)
Alpha Omega Alpha, Honors Medical Society (1986)
William W. Bodine Jr. Award, Jefferson Medical College (1986)
Orthopedic Surgery Award, Jefferson Medical College (1987)
International Volunteer of the Year, Pennsylvania Medical Society (2006)
Healthcare Hero Award, Northeast Pennsylvania, The Times Leader (2010)
2016 Top Performer Award, MedStatix Star Performer Ratings, (2016)
Lifetime Achievement Award, The American Academy of Neurologic and Orthopaedic Surgeons (2017)
The G4 Alliance Collaboration Prize (2017) - a development grant to create
a global database to register all volunteer health care workers, and to enable telesurgery between HIC's
and LMIC's
Physician of the Year, Nash UNC Health Care System, 2019

HOSPITAL COMMITTEES

Berwick Hospital Utilization Management Committee (1/2000 – 12/2001)
Chairman, Berwick Hospital Bylaws Committee (1/2000 – 1/2002)
Berwick Hospital Surgical Care Committee (1/2000 - 12/2003)
Berwick Hospital Credentials Committee (1/2003 – 1/2004)
Director, The Musculoskeletal Institute Greater Hazleton Healthcare Alliance (1/2006 – 12/2007)
Chairman, Greater Hazleton Healthcare Alliance Physician Recruitment Committee (1/2006 – 12/2007)
Center for Advanced Surgery Board (5/2007 – 5/2010)
Surgical Services Committee, Carlisle Regional Medical Center (3/2011 - 7/2013)
Medical Advisor, Celtic Healthcare (4/2011 – 1/2012)
Health Management Associates National Information Technology and Meaningful Use Committee (9/2011 - 7/2013)
Physician's Advisory Committee, Carlisle Outpatient Surgery Center (3/2011 - 7/2013)
Physician's Advisory Committee, Carlisle Regional Medical Center (3/2011 - 7/2013)
Medical Staff Quality Assurance and Peer Review Committee, Carlisle Regional Medical Center (2/2011 – 7/2013)
Biomedical Ethics Committee, Carlisle Outpatient Surgery Center (3/2011 - 7/2013)
Practice Leadership Committee, Carlisle Regional Medical Center (3/2011 - 7/2013)
Medical Director, Comprehensive Medical Home Care (1/2012 – 7/2013)
Physicians Information Officer, Carlisle Regional Medical Center, (1/2012 - 7/2013)
Member, Medical Executive Committee, Carlisle Regional Medical Center (1/2012 - 7/2013)
Member, Surgical Services Committee, Nash Community Hospital, UNC 2015 - Present)

COMMUNITY AND INTERNATIONAL MEMBERSHIPS AND MISSIONS

Hands Healing Hearts International Surgical Missions (1993 - Present)
Health Volunteers Overseas - Orthopedic Overseas, Surgical Mission, St. Lucia (July - August, 2007)
Hands Healing Hearts International Disaster Relief, Hurricane Relief, Jamaica (September 1-5, 2007)
Hands Healing Hearts International Disaster Relief, NYC (September 11, 2001)
Hands Healing Hearts International Disaster Relief, Katrina Relief, New Orleans (August, 2005)
Christian Ministry Medical Mission, Burkina Faso, Africa (November 7-17, 2008)
Medical and Surgical Mission, Tortola (December 2009)
ACTS International Disaster Relief and Surgical Mission, Haiti (January and February, 2010)
Cure International Disaster Relief and Surgical Mission, Haiti (May and July 2010)
Medical Director for Emergency Medical Responses, ACTS International (2010 - 2013)
Orthopedics Overseas, Costa Rica (September 2014)
World Surgical Foundation, Honduras (October, 2018)
Advisory Committee-Allied Health/Sciences, Wilson Community College (2017-2019)

EMPLOYMENT

Carolina Regional Orthopaedics, P.A.
Rocky Mount, North Carolina (7/2015 - present)

Pines Healthcare / Cary Medical Center
Caribou, Maine (2/2014 – 5/2015)

Mark N. Perlmutter, M.S., M.D.
Valley Orthopedic Specialists, Inc.

Private Practice (7/2013 – 2/2014)

Carlisle Medical Group
Carlisle, Pennsylvania (1/2011 – 7/2013)

Mark N. Perlmutter, M.S., M.D
Valley Orthopedic Specialists, Inc.
Private Practice (10/1994 – 1/2011)

Geisinger Medical Group
Wilkes-Barre, Pennsylvania (7/1993 – 10/1994)

HOSPITAL STAFF PRIVILEGES

UNC Nash Healthcare (6/4/2015 - Present)
Vidant Edgecombe Hospital (6/23/2015 - Present)
Life Care Hospitals (12/21/16 - 2018)
Cary Medical Center, Caribou, Maine (2/2014 – 5/2015)
Maine Veterans' Home, Caribou, Maine (8/2014 - 5/2015)
Carlisle Regional Medical Center (1/2011 - 7/2013)
Carlisle Outpatient Surgery Center (1/2011 - 7/2013)
St. Catherine's Medical Center, Ashland, PA (1/2010 – 1/2011)
Greater Hazleton Health Alliance:
 St. Joseph's Medical Center, Hazleton, PA (2/2004 – 5/2007)
 Hazleton General Hospital, Hazleton, PA (2/2004 – 2/2011)
 Center for Advanced Surgery, Hazleton, PA (5/2007 – 2/2011)
Berwick Hospital Center, Berwick, PA (10/1994 – 11/2004)
Bloomsburg Hospital Center, Blooms-burg, PA (9/1997 – 11/2004)
Tyler Memorial Hospital, Tunkhannock, PA (10/1994 – 12/1997)
Veterans Administration Medical Center, Wilkes-Barre, PA (7/1993 – 10/1994)
Geisinger Medical Center, Wilkes-Barre, PA (7/1993 – 10/1994)
Mercy Medical Center, Wilkes-Barre, PA (7/1993 – 10/1994)
University of Miami Hospital, Miami, FL (7/1992 - 7/1993)

SCIENTIFIC PRESENTATIONS

Intracellular Recordings for Temperature Sensitive Septal and Hypothalamic Neurons. Society for Neuroscience Annual Meeting, 1983

Intracellular Recordings from Septal and Pre-Optic Area Neurons in the Rat. ICSBER Society Biomedical Research Symposium, 1985

Effects of Running, Swimming, and Weight Lifting on Bone Strength in Young Female Rats. American Society of Bone and Mineral Research, June 1987

The Effect of Exercise on Bone Strength and Mass in Ovarian Intact and in Oophorectomized Rats. American Society Bone and Mineral Research, June 1988

Effects of Exercise in Rat Spine Discs. Jefferson Orthopedic Society, November 1988

Rat Bone Strength and Mass Response to Exercise. Jefferson Orthopedic Society, November 1988

Normalized Bone Mass and Strength in Exercising Oophorectomized and Sham Operated Rats. Research Society, February 1989

Occupational Medicine Disorders. Berwick Area Chamber of Commerce, September, 1991

"How to Achieve a Successful Carpal Tunnel Release." Susquehanna Valley Association Pennsylvania Occupational Health Nurses Lecture, April 2002

Chairman, "Occupational Medicine Disorders: A Multidisciplinary Conference" April 2007

Moderator, Trauma Section, International College of Surgeons - 76th Annual Surgical Update, 2014 and 2018

Judge, Annual Research Scholarship Competition, International College of Surgeons, 2014-2017

"Disparity in Global Surgical Care, New Methodologies to Close the Gap Between High and Low Income Countries," International College of Surgeons World Conference, Nanjing, China, November 2017.

"Recognizing criteria for LMIC's within the borders of HIC's, the Navajo Nation example." International College of Surgeons, 2017

"Developing a single open source database creating an interactive surgical platform to connect global health workers, organizations and patients." The International College of Surgeons, US Section Meeting, 2018

"A single open source database creating an interactive surgical platform to connect global health workers, organizations and patients - the North Carolina contribution." accepted for the 2018 North Carolina Orthopedic Association Annual Meeting, 2018

"Implementing a single open source database creating an interactive surgical platform to connect global health workers, organizations and patients." The International College of Surgeons, World Congress Meeting, Kaohsiung, Taiwan, November, 2018

Featured Presentation: *Human Resource Mapping*, Consortium of Universities for Global Health, March, 2019

Current trends in hand and wrist surgery, Presentation at the American Academy of Neurologic and Orthopedic Surgery annual meeting. May, 2019

Electrodiagnostic testing for compression neuropathies: its role in value-based healthcare. Presentation to the American Academy of Neurologic and Orthopedic Surgery annual meeting, May 2019

Matching resources to need: a template for collaboration. Presentation to the International College of Surgeons, United States section. May 2019

RESEARCH

"Use of Norian Bone Substitute in Distal Radius Fractures", Synthes Corporation Research Advisory Committee, 2006 and 2007

"Fracture Augmentation with Demineralized Bone Matrix- A Randomized, Double-Blind Study", Synthes Corporation Research Advisory Committee, 2006 and 2007

Effect of Exercise on Bone Strength and Mass in Ovarian Intact and Oophorectomized Rats Effects of Synaptic Input on Hypothalamic Thermosensitive Neurons

SCIENTIFIC EXHIBITS

Effects of Running, Swimming, and Weight Lifting on Bone Strength in Young Female Rats. Jefferson Medical Center, 1987

Effect of Biochemistry on the Lumbar Spine Disc in Exercising Rats. Jefferson Medical Center, 1988

PUBLICATIONS

Perlmutter, M.N., E.L. Hume and D.C. Sutton: *Effect of Exercise on Bone Strength and Mass in Ovarian Intact and Oophorectomized Rats.* Am. Soc. Bone Mineral Research

Perlmutter, M.N., D.O. Nelson and J.A. Boulant: *Intracellular Recordings From Pre-Optic Thermosensitive Neurons in the Rat.* Fe. Proc. 40(3): 517, 1981

Perlmutter, M.N. and J.A. Boulant: *The Effects of Synaptic Input on Hypothalamic Thermosensitive Neurons in Tissue Slices.* Proc. International Union Physio. Sci. 14:335, 1980

Keslo, S.A., M.N. Perlmutter and J.A. Boulant: *Removal of Synaptic Input Alters the Thermosensitivity of Pre-Optic Area Neurons in Tissue Slices.* The Physiologist. 23:12, 1988

Keslo, S.A., M.N. Perlmutter and J.A. Boulant: *Thermosensitive Single Unit Activity of In-Vitro Hypothalamic Slices.* Am. J. Physiol. 242:R77-R84, 1981

CONTINUING MEDICAL EDUCATION CREDITS - CATEGORY I

- 1995 35.5 Credits**
American Society for Surgery of the Hand Fiftieth Annual Meeting
American Academy of Orthopedic Surgeons (September 13-16, 1995) **33.5 credits**
Pennsylvania Medical Society Consult Activity (September 1995) **1 credit**
Stress Management Wyoming Valley Health Care System (October 1995) **1 credit**
- 1996 80 Credits**
Advances in Joint Arthroplasty
Columbia Hospital System, Inc. (January 18-20, 1996) **18 credits**
Second International Conference on the Neurovascular Comprehensive and Cumulative Trauma Disorders
University of California (March 16-17, 1996) **11 credits**
American Society for Surgery of the Hand Fifty-First Annual Meeting
American Academy of Orthopedic Surgeons (September 30-October 4, 1996) **33.5 credits**
The Master's Experience-Wrist, Elbow, and Carpal Tunnel
Arthroscopy Association of North America (November 2-3, 1996) **17.5 credits**
Trauma: Pennsylvania Orthopedic Society Fall Scientific Meeting
Pennsylvania Orthopedic Society (November 14-17, 1996)
- 1997 42 Credits**
From the Elbow to the Hand: A Current Practical Approach
American Academy of Orthopedic Surgeons (May 15-18, 1997) **24 credits**
Reconstructive Surgery of the Elbow: Techniques, Trauma Management and Fixation American Academy
of Orthopedic Surgeons (October 17-19, 1997) **18 credits**
- 1998 78.75 Credits**
American Association of Orthopedic Surgeons Sixty-Fifth Annual Meeting
American Academy of Orthopedic Surgeons (March 19-23, 1998) **33.5 credits**
Comprehensive Shoulder and Elbow Course and Open Shoulder and Elbow Meeting
(April 23-26, 1998, Kiawah Island, SC) **24 credits**
American Society for Surgery of the Hand Fifty-Third Annual Meeting
American Society for Surgery of the Hand (September 10-12, 1998, Minneapolis, MN) **21.25 credits**
- 1999 129 Credits**
Clinicopathological Features ... Treatment of Osteoblastoma
Orthopedics Journal (February 1999) **1 credit**
Difficult Problems in Hand Surgery
(March 26-27, 1999, Fort Lauderdale, FL) **15 credits**
Subscapular Entrapment Neuropathy and Ganglion Cysts
Orthopedics Journal (April 1999) **1 credit**
Complex Knee Problems: Surgery of the Active Person's Knee
(April 30-May 2, 1999, Rosemont, IL) **21 credits**
Clinical Utility of Demineralized Bone Matrix Orthopedics Journal (May 1999) **1 credit**
Fibromyalgia Syndrome: Diagnosis, Pathophysiology, and Treatment
The University of Texas (June 1999, San Antonio, TX) **3 credits**
Management of Vertebral Diskitis and Osteomyelitis Orthopedics Journal
(August 1999) **1 credit**
Current Concepts: Master Techniques in Hand Surgery
(September 2, 1999, Boston, MA) **9 credits**

- American Society for Surgery of the Hand Fifty-Fourth Annual Meeting**
(September 2-4, 1999, Boston, MA) 21 .25 credits
- American Association of Orthopedic Surgeons 1999 Summer Institute Top Ten Orthopedic Procedures and Personal Computer Skill Building**
(September 22-26, 1999, Seattle WA) 32 credits
- 1999 Fall Scientific Meeting: Arthritis Surgery**
Pennsylvania Orthopedic Society 12.75 credits
(October 21-22, 1999, Nemaquin Woodlands Resort & Spa, Farmington, PA)
- Medical-Legal Correspondence Course**
Pennsylvania Medical Society Liability Insurance Company (October 1999) 12 credits
- 2000 43.75 Credits**
- American Society for Surgery of the Hand Fifty-Fifth Annual Meeting**
(October 5-8, 2000) 23.75 credits
- Musculoskeletal Symptoms and the Workplace**
(October 5, 2000 Seattle, WA) 4 credits
- Twelfth Annual Holiday Total Knee Course**
Hospital for Special Surgery, New York, NY (November 30-December 1, 2000) 15 credits **Elbow Joint**
- Biomechanics** Orthopedics Journal (December 2000) 1 credit
- 2001 98 Credits**
- The Use of Biologic Materials in Spinal Fusion**
Orthopedics Journal (February 2001) 1 credit
- Knee Dislocations (Review)** Orthopedics Journal (March 2001) 1 credit
- The Role of Injectable Corticosteroids in Orthopedics**
Orthopedics Journal (April 2001) 1 credit
- Difficult Problems in Hand Surgery**
Cleveland Clinic Florida (April 20-21, 2001, Naples, FL) 14.5 credits
- Risk Care Consult**
Pennsylvania Medical Society (Spring 2001) 1 credit
- Bone Morphogenetic Proteins (BMPs)**
Orthopedic Journal (May 2001) 1 credit
- Evaluation of the Risk of Pathologic Fractures**
Orthopedics Journal (June 2001) 1 credit
- Primary Hyperparathyroidism**
Orthopedics Journal (October 2001) 1 credit
- Journal of Bone and Joint Surgery-Vol. 83-A-CME III**
(July, August, September 2001) 10 credits
- American Society for Surgery of the Hand Pre-conference on Elbow Management**
(October 3, 2001, Baltimore, MD) 4.5 credits
- American Society for Surgery of the Hand Fifty-Sixth Annual Meeting**
(October 4-6, 2001, Baltimore, MD) 23 credits
- The Role of Arthroscopic Intervention for Symptomatic Total Knee Arthroplasty**
Orthopedics Journal (November 2001) 1 credit
- Occupational Orthopedics and Worker's Compensation: A Multidisciplinary Perspective #3377**
(November 2-4, 2001, Las Vegas, NV) 21 credits
- PMS Consult-Vol. 15 No.4**
(November/December 2001) 1 credit
- Avoiding Complications and Improving Outcomes in Orthopedic Surgery**
Staten Island University Hospital (December 4-6, 2001, 51. Thomas, U.S. Virgin Islands) 16 credits **Adult Isthmus**
- Spondylolisthesis**
Orthopedics Journal (December 2001) 1 credit
- 2002 33.5 Credits**
- Risk Care Consult**
Pennsylvania Medical Society (Spring 2002) 1 credit
- Reducing the Risk of Hip Fractures in Elderly Woman with Osteoporosis: Recent Study Results and Their Immediate Implications**
Annenberg Center for Health Sciences (May 2002) 1 credit

Malpractice and Total Asset Protection
(May 10, 2002, Allentown, PA) **3 credits**

Orthopedic Surgeons Regional Consultants Meeting
(May 31-June 1, 2002, Boston, MA) Honorarium Program

Here, There, and Everywhere: Ambulatory Anesthesia Safety Anesthesiology
Audio-Digest Foundation (June 20, 2002) **2 credits**

Managing Risk in the 21st Century Family Practice
Audio-Digest Foundation (June 20, 2002) **2 credits**

Stalking: Risk Assessment Issues Psychiatry
Audio-Digest Foundation (June 20, 2002) **2 credits**

Medical Masquerades Emergency Medicine
Audio-Digest Foundation (June 20, 2002) **2 credits**

Advancing the Scientific Basis of Orthopedic Interventions: Current and Future Treatment Options
(July 2002) **1.5 credits**

University of Wisconsin Medical School: The ABC's of Musculoskeletal Pain
(July 2002) **3 credits**

American Academy of Orthopedic Surgeons Orthopedic Grand Rounds: Foot & Ankle
(September 2002) **2 credits**

New Analgesic Options: Overcoming Obstacles to Pain Relief
University of Wisconsin-Madison, WI (September 2002) **6 credits**

The ABC's of Musculoskeletal Pain
University of Wisconsin-Madison, WI (September 2002) **1 credit**

Preventing Malpractice Claims
The University of Oklahoma Health Sciences Center (November 2002) **2 credits**

Herpes Simplex Virus Diagnosis, Trends, and Treatment
Berwick Hospital Center and Penn State College of Medicine (November 2002) **1 credit**

Preventing Malpractice Claims
The University of Oklahoma College of Medicine (December 2002) **3 credits**

2003 34.5 Credits

AO ASIF Advanced Symposium Solutions Course for Fracture Fixation Problems
AO North America (May 2003) **28 credits**

Tuberculosis Sacroiliitis
SLACK Incorporated (June 2003) **1 credit**

Consult
Vol 17, No 2 PA Medical Society (June 2003) **1 credit**

Clinicians' Perspective Newsletter
Medical Education Group LLC (June 2003) **0.5 credit**

Debridement: Rationale and Therapeutic Options
HMP Communications (July 2003) **1 credit**

Osteoporosis
Southern Medical Journal (July 2003) **2 credits**

Debridement: Rationale and Therapeutic Options
HMP Communications (August 2003) **1 credit**

2004 54.5 Credits

Current Overview of Neurovascular Structures in Hip Arthroplasty: Anatomy, Preoperative Evaluation, Approaches, and Operative Techniques to Avoid Complications Orthopedics, Volume 27 No.1
SLACK Incorporated (January 2004) **3 credits**

Physicians Practice
The Business Journal for Physicians (March 2004) **2 credits**

Management of Comorbid Depression and Anxiety
Clinician Reviews, Volume 14, NO.4 (April 2004) **2 credits**

Physicians Practice
The Business Journal for Physicians (May 2004) **2 credits**

Acute Pain Treatment after Arthroplasty
A Supplement to the American Journal of Orthopedics, Postgraduate Institute for Medicine (May 2004) **1 credit**

Bone Transplantation Orthopedics, Volume 27 No.5
SLACK Incorporated (May 2004) **3 credits**

Orthopedics Today 2004: Progress in Prevention of Venous Thromboembolism: A Brief Review of the Literature Focused on Orthopedic Surgery
SLACK Incorporated (June 2004) **1 credit**

Stress Fractures in Athletes: Risk Factors, Diagnosis, and Management Orthopedics
Orthopedics, Volume 27 NO.6 (June 2004) **2 credits**

Minimizing Perioperative Blood Loss in Orthopedic Surgery
Orthopedics, Volume 27 NO.6 Supplement (June 2004) **2 credits**

Open Calcaneal Fractures

Orthopedics, Volume 27 No.7, SLACK Incorporated (July 2004) **3 credits**
A Comparison of Autogenous Patellar Tendon and Hamstring Tendon Grafts For Anterior Cruciate Ligament Reconstruction
 Orthopedics, SLACK Incorporated (August 2004) **3 credits**
Analgesia and Fast-Track Surgery: Issues in Perioperative Pain Management
 Physician's Weekly, Postgraduate Institute for Medicine (September 2004) **1 credit**
Adjuvant Therapy for Early Breast Cancer
 Hazleton General Hospital: Grand Rounds Lecture Programs Drexel University College of Medicine (September 28, 2004) **1 credit**
Treatment Options for Difficult Fractures: A New Technology Symposium
 Upstate Medical University, Elmira, New York (October 2004) **6.5 credits**
Orthopedics Today 2004: A Comprehensive CME Course
 SLACK Incorporated Grand Hyatt, New York, NY (November 2004) **13 credits**
Misadventures in Laparoscopic Surgery
 Drexel University School of Medicine (November 23, 2004) **1 credit**
Physicians Practice
 The Business Journal for Physicians, March 2004 (December 10, 2004) **2 credits**
Consult: Diabetes Management in Primary Care
 Pennsylvania Medical Society (Vol. 18, No.3) (December 31, 2004) **1 credit**
Consult: Physicians' Communication with Nurses
 Pennsylvania Medical Society (Vol. 17, No. 4) (December 31, 2004) **1 credit**
Consult: Reducing Pediatric Medication Errors
 Pennsylvania Medical Society (Vol. 18, No 4) (December 17, 2004) **1 credit**
Chordoma of the Spine Orthopedics, Volume 27, No.2,
 SLACK Incorporated (December 2004) **3 credits**

2005 172.25 Credits

Consult: Risks Associated with Treating Nursing Home Patients
 Pennsylvania Medical Society (Vol. 19, No.1) (January 2005) **1 credit**
Acute Pain Treatment after Arthroplasty
 Postgraduate Institute for Medicine (January 10, 2005) **1 credit**
Analgesia and Fast-Track Surgery: Issues in Perioperative Pain Management
 Postgraduate Institute for Medicine (January 10, 2005) **1 credit**
Preventing Malpractice Claims
 The University of Oklahoma Health Sciences Center, College of Medicine (January 14, 2005) **3 credits**
Knee Osteoarthritis: Current Concepts in Nonoperative Management
 Orthopedics, Volume 28, No.2, SLACK Incorporated (February 2005) **1 credits**
Consult: Identifying Errors in Ambulatory Care
 Pennsylvania Medical Society (Vol. 17, No. 1) (February 4, 2005) **1 credit**
Consult: Reducing Liability Risk in Colon Cancer Cases
 Pennsylvania Medical Society (Vol. 18, No.1) (February 4, 2005) **1 credit**
Your Grayng Patients
 Physicians Practice (March 2005) **2 credits**
Gene Therapy: Principles and Clinical Applications in Orthopedics
 Orthopedics, Volume 28, No.3, SLACK Incorporated (March 2005) **3 credits**
Consult: Communication Behaviors and Malpractice Claims
 Pennsylvania Medical Society (Vol. 18, No.2) (March 11, 2005) **1 credit**
Solutions Course for Fracture Fixation Problems
 AO ASIF Continuing Medical Education Hamilton, Bermuda (April 6 -April 9, 2005) **24 credits**
Surgical Advances in Ovarian and Endometrial Cancer
 Hazleton General Hospital: Lecture Programs Drexel University College of Medicine (May 24, 2005) **1 credit**
The Role of Antibiotic Tissue Penetration in the Treatment of Pneumonia Caused by MRSA
 Medical Education Resources, Inc. (July 8, 2005) **1 credit**
Clinical Management of Patients with Ventricular Arrhythmias
 CME Resource (#9026) (July 17, 2005) **15 credits**
What Healthcare Professionals Should Know About Exercise
 CME Resource (#9170) (July 17, 2005) **5 credits**
Influenza: A Comprehensive Review
 CME Review (#9440) (July 17, 2005) **10 credits**
Minimally Invasive Treatment of BPH
 Hazleton General Hospital: Grand Rounds Lecture Program (September 27, 2005) **1 credit**
Diagnosing and Treating Overweight and Obese Patients
 CME Review (#155) (October 9, 2005) **5 credits**
Alcohol, Alcohol Abuse and Alcohol Dependence
 CME Review (#651) (October 9, 2005) **10 credits**
Medical Ethics for Physicians
 CME Review (#715) (October 9, 2005) **5 credits**
Patients Requiring Permanent Pacemakers
 CME Review (#1057) (October 9, 2005) **15 credits**
A Review of Interventional Radiology
 CME Review (#4029) (October 9, 2005) **10 credits**

Diagnosing and Managing Headaches

CME Review (#9059) (October 9, 2005) **10 credits**

Eating Disorders

CME Review (#9609) (October 9, 2005) **15 credits**

Osteoporosis: Diagnosis and Treatment

CME Review (#9901) (October 9, 2005) **5 credits**

Physicians Practice

America's Leading Practice Management Journal, Medical Education Solutions Group, July/August 2005 (October 20, 2005) **2 credits**

Orthopedics Today 2005: A Comprehensive CME Course

SLACK Incorporated Grand Hyatt, New York, NY (November 19-20, 2005) **13, 25 credits**

2006 91.50 Credits

The Evolution of Allograft Bone for Spinal Applications

Orthopedics, SLACK Incorporated June 2005 January 12, 2006 **1 credit**

The Effect of Nonsteroidal Anti-Inflammatory Agents on Spinal Fusion

Orthopedics, SLACK Incorporated March 2005 (January 12, 2006) **1 credit**

Management of Comorbid Depression and Anxiety

Clinician Reviews, Postgraduate Institute for Medicine (January 27, 2006) **1 credit**

Physicians Practice

America's Leading Practice Management Journal, Medical Education Solutions Group; Your Graying Patients; Patient Financial Policy; Law; Around the Office March 2005 (January 30, 2006) **2 credits**

Physicians Practice

America's Leading Practice Management Journal, Medical Education Solutions Group: HIPAA Compliance May 2005 (January 30, 2006) **2 credits**

The Painful TKA: Diagnosis and Management

Orthopedics, Vindico Medical Education (February 2006) **1 credit**

Physicians Practice

America's Leading Practice Management Journal, Medical Education Solutions Group: The Law; Patient Relations: Finance; Growth Strategies (March 2006) **2 credits**

Hip Disease in Juvenile Rheumatoid Arthritis

Orthopedics, Vindico Medical Education (March 2006) **1 credit**

New Horizons in Spinal Surgery

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Rotator Cuff Repair

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Internal Bleeding: Our Epidemic of Medical Mistakes

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Foot Problems

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

New Horizons in Shoulder Arthroplasty

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Spinal Trauma

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Elbow Arthroplasty: A Practical Procedure

The California Medical Association: Audio Digest (April 21, 2006) **2 credits**

Unicondylar Knee Arthroplasty: Past and Present

Orthopedics December 2005, SLACK Incorporated (April 26, 2006) **1 credit**

Quality Assurance/Risk Management/Medical Ethics

Armed Forces Institute of Pathology, Legal Medicine CME-2005 (April 27, 2006) **5 credits**

Physicians Practice

America's Leading Practice Management Journal, Medical Education Solutions Group: Risk Management; Office Culture; Business Ventures: Practice Makeover November, 2005 (May 1, 2006) **2 credits**

Physicians Practice

America's Leading Practice Management Journal Medical Education Solutions Group (May 20, 2006) **2 credits**

Efficient Coding: Increase Revenues/Decrease Risk

CME# 3E009 The University of Oklahoma College of Medicine (May 22, 2006) **3 credits**

HIV & AIDS: Education for Health Care Professionals

Fifth Edition Saint Louis University School of Medicine (May 22, 2006) **3 credits**

Surgical Treatment Options for Patella Tendon Rupture

Part I: Acute Orthopedics July 2005, SLACK Incorporated (May 23, 2006) **1 credit**

Overactive Bladder

Hazleton General Hospital: Grand Rounds Lecture Programs Drexel University College of Medicine (May 23, 2006) **1 credit**

Hand Surgery

The California Medical Association: Audio Digest (May 25, 2006) **2 credits**

Surgical Shoulder Solutions

The California Medical Association: Audio Digest (May 25, 2006) **2 credits**

A New Direction for the Treatment of Osteoporosis

Curatio CME Institute (May 25, 2006) **1 credit**

Management of Persistent Shoulder Pain: A Treatment Algorithm

Penn State College of Medicine (May 31, 2006) **2 credits**

Hip Arthroscopy
 Orthopedics, Vindico Medical Education (June 2006) **1 credit**

Compliance and Integrity
 The University of Oklahoma College of Medicine (June 5, 2006) **4 credits**

Risk Management: Safeguarding Your Career
 6th Edition Saint Louis University School of Medicine (June 5, 2006) **5 credits**

Diagnosis and Management of Restless Legs Syndrome
 Clinician Reviews, Postgraduate Institute for Medicine (June 8, 2006) **1.5 credits**

Physicians Practice
 America's Leading Practice Management Journal, Medical Education Solutions Group: Improving Touch Time; Friend or Foe? Mistakes Happen January 2006 (June 10, 2006) **2 credits**

Problems and Solutions: Achilles Tendon Thrower's Elbow
 The California Medical Association: Audio Digest (June 14, 2006) **2 credits**

Physicians Practice
 America's Leading Practice Management Journal
 Medical Education Solutions Group: Leadership; Patient Relations; Human Resources: Coding; Staying Civilized; Curing Hearing Impaired (July, 2006) **2 credits**

Skeletal Metastases
 Orthopedics, Vindico Medical Education (July 2006) **2 credits**

Orthopedic Trauma: Challenges and Solutions
 The California Medical Association: Audio Digest (July 21, 2006) **2 credits**

Advances in Managing Spinal Disorders
 The California Medical Association: Audio Digest (July 21, 2006) **2 credits**

Diabetic Foot Infections
 Hazleton General Hospital: Grand Rounds Lecture Programs (July 25, 2006) **1 credit**

Preventing Medication Errors: A CME Update
 1st Edition (July 25, 2006) **2 credits**

Preventing Medical Errors: A CME Update
 3rd Edition (July 25, 2006) **2 credits**

Surgical Treatment Options for Patella Tendon Rupture, Part II: Chronic
 Orthopedics, Vindico Medical Education August 2005 (July 28, 2006) **1 credit**

Venous Thromboembolism in Orthopedic Trauma Patients
 Orthopedics, Vindico Medical Education October 2005 (July 28, 2006) **1 credit**

Osteoporosis: A Global Assessment of Clinical & Imaging Features
 Orthopedics, Vindico Medical Education November 2005 (July 28, 2006) **1 credit**

Posterior Cervical Instrumentation
 Orthopedics, Vindico Medical Education (August 2006) **1 credit**

Physicians Practice
 America's Leading Practice Management Journal Medical Education Solutions Group: Operations; Practice Makeover; Finance; Managing Staff (September 2006) **2 Credits**

Management of Radial Head Fractures
 Orthopedics, Vindico Medical Education (October 2006) **1 credit**

Alzheimer's disease: A Review for Physicians
 CME Resource (November 13, 2006) **1 credit**

Pain Management, Palliative Care and Treatment of the Terminally Ill
 CME Resource (November 13, 2006) **1 credit**

Medical Ethics
 8th Edition 5E010 The University of Oklahoma College of Medicine (November 13, 2006) **2 credits**

Distal Radio-ulnar Joint Problems and Treatment Options
 Orthopedics, Vindico Medical Education January 2006 (December 5, 2006) **1 credit**

Consult: Liability Risks Related to Necrotizing Fasciitis
 (Vol. 20 No.4) Pennsylvania Medical Society (December 6, 2006) **1 credits**

2007 159.75 credits

InforMed Update for Pennsylvania Physicians: Bloodborne Pathogens; Medication Safety; Measurement and Taxonomy; Surveillance; Cognition, Systems and Risk; and Challenges
 InforMed (February 2007) **12 credits**

Hepatitis Viruses
 CME Resource (February 2007) **5 credits**

Clinical Management of Atrial Fibrillation
 CME Resource (February 2007) **10 credits**

Clinical Management of Patients with Ventricular Arrhythmias
 CME Resource (February 2007) **15 credits**

Care of Pediatric Trauma Patient
 CME Resource (February 2007) **15 credits**

Influenza: A Comprehensive Review
 CME Resource (February 2007) **10 credits**

Metabolic Syndrome: A Growing Epidemic
 CME Resource (February 2007) **5 credits**

Treatment of Venous Thromboembolism
 Elsevier Office of Continuing Medical Education (February 2007) **9 credits**

Impact of Irradiation on Musculoskeletal Allografts
 Orthopedics Vindico Medical Education November 2006 (February 2007) 1 credit

Multidisciplinary Management of Patients with Sickle Cell Disease
 Orthopedics Vindico Medical Education December 2006 (February 2007) 1 credit

Low-grade Cartilage Tumors
 Orthopedics Vindico Medical Education January 2007 (February 2007) 1 credit

Patient Safety and Risk Management
 Informed Update for the Pennsylvania Physician (February 2007) 10 credits

Management of Osteoarthritis Knee Pain: The State of Science
 Medical Education Resources (February 2007) 1 credit

Guidelines for Fracture Xa Inhibitors
 Orthopedics, Vindico Medical Education (February 2007) 1 credit

Consult: Pain Management in Elderly Patients
 Vol, 21, No, 1 Pennsylvania Medical Society (Winter 2007) 1 credit

Thrombo-prophylaxis in Orthopedic Surgery
 American Journal of Orthopedics June 2006 (February 2007) 1 credit

Physicians Practice
 America's Leading Practice Management Journal
 Medical Education Solutions Group: Human Resources; Finance; Practice Makeover, Growth Strategies November December 2006 (February 2007) 2 credits

Consult: Overview of Issues Related to C, Difficile
 Vol, 21, No. 2 Pennsylvania Medical Society (Spring 2007) 1 credit

Adamantinoma of the Long Bones
 Orthopedics, Vindico Medical Education (March 2007) 1 credit

Bone Health Concerns in Active and Athletic Women and Girls
 Orthopedics, Vindico Medical Education (April 2007) 1 credit

Mastering Orthopedic Coding
 American Academy of Orthopedic Surgeons (April 13-14 2007) 6.5 credits

ACL Injuries in the Skeletally Immature Patient
 Orthopedics, Vindico Medical Education (May 2007) 1 credit

Treatment of Heterotopic Ossification
 Orthopedics, Vindico Medical Education (June 2007) 1 credit

Consult: Risk Management and Retail-Based Health Clinics
 Vol. 21, NO. 3 Pennsylvania Medical Society (Summer 2007) 1 credit

Hamstring Injuries
 Orthopedics, Vindico Medical Education (July 2007) 1 credit

Management of the Geriatric Fracture Patient
 American Orthopedics of North America Baltimore, MD (July 20-21, 2007) 15.5 credits

The Obesity Society: Selected Presentations
 Medscape from WebMD (July 2007) 2 credits

Exercise in the Age of Evidence-Based Medicine: A Clinical Update
 Medscape from WebMD (July 2007) .5 credit

Good Nutrition May Help Prevent Disability in the Elderly
 Medscape from WebMD (July 2007) .25 credits

Energy Requirements of Hospitalized Elderly Patients
 Medscape from WebMD (July 2007) .25 credits

Medsite CME: A Rational Approach to the Use of New Emerging Biologic Therapies In Patients with Rheumatoid Arthritis
 Medscape from WebMD (July 2007) 1 credit

Evolving Changes in the Chronic Pain Paradigm
 Medscape from WebMD (July 2007) 1 credit

American Academy of Pain Medicine 23rd Annual Meeting
 Medscape from WebMD (July 2007) 1 credit

CSI: Investigating Acute Postoperative Pain: improved Outcomes and Clinical Horizons
 Medscape from WebMD (July 2007) 1.5 credits

Hip and non-spine fracture risk reductions differ among antiresorptive agents: Evidence from randomized controlled trials Mecapeds
 WebMD (July 2007) 1 credit

Biological Markers in Osteoarthritis
 Medscape from WebMD (July 2007) 1 credit

Integrating Viscosupplementation Into a comprehensive Osteoarthritis Treatment Program
 Medscape from WebMD (July 2007) 1 credit

Curing Cartilage Injuries Part 2: Resurfacing and Restoration in the Knee
 Medscape from WebMD (July 2007) 1.25 credits

Curbside Consults in Deep Vein Thrombosis: Case-Based Management for The Orthopedic Patient at Risk
 Medscape from WebMD (July 2007) 1.5 credits

Pulmonary Embolism: Pathways (or Diagnosis, Treatment and Prevention)
 Medscape from WebMD (July 2007) .25 credit

Patterns of Errors Contributing to Trauma Mortality: Lessons Learned from 2594 deaths
 Medscape from WebMD (July 2007) 1 credit

Medication Compliance and Avoiding Adverse Drug Reactions
 Medscape from WebMD (July 2007) 1 credit

Undermanaged Pain in the Orthopedic Surgical Patient Techniques to Improve Outcomes

Medscape from WebMD (July 2007) **2 credits**
Surgical Care Improvement Project: Infection Prevention Update
Medscape from WebMD (July 2007) **1.5 credits**
Advances in Opioid Analgesia: Maximizing Benefit
Medscape from WebMD (July 2007) **2 credits**
Highlights of the American Occupational Health Conference
Medscape from WebMD (July 2007) **.5 credit**
Increasing Patient Safety While Creasing Cost and Aggravation: Managing PONV
Medscape from WebMD (July 2007) **1.75 credits**
Refining the Focus: A New Look at Spondylitis
Medscape from WebMD (July 2007) **1 credit**
Down to the Bone: Issues in the Maintenance and Evaluation of Bone Health
Medscape from WebMD (July 2007) **2 credits**
AO North America Management of the Geriatric Fracture Patient Course
AO North America Continuing Medical Education, Baltimore, MD (July 20-21, 2007) **15.5 credits**

American Society for Surgery of the Hand
62nd Annual Meeting, Seattle, Washington (September 26-29, 2007) **33.5 credits**
Basic Coding Practice Principles: For Pennsylvania Physicians
Pennsylvania Medical Society (September 2007) **1.5 credits**
Current Issues in the Management and Treatment of Musculoskeletal Pain: Focus On Osteoarthritis and Low Back Pain
Clinical Courier Vol. 25, No.2 (September 2007) **1 credit**
Trauma Orthopedic Grand Rounds
American Academy of Orthopedic Surgeons (September 2007) **2 credits**
9th Annual Occupational Orthopedics and Workers' Compensation Course: A Multidisciplinary Perspective
American Academy of Orthopaedic Surgeons, Las Vegas, NV (October 26-28, 2007) **33.5 credits**
Balancing Perioperative Risks: The Patient with a Coronary Stent
Orthopedics, Vindico Medical Education (November 2007) **1 credit**
Complications in Orthopaedics: Maintaining Patient Safety
Pennsylvania Orthopedic Society, 2007 Fall Scientific Meeting (November 8-9, 2007) **12.25 credits**
Synovial Sarcoma
Orthopedics, Vindico Medical Education (December 2007) **1 credit**

2008 **163.9 credits**

Advances in Total Hip Arthroplasty
Audio-Digest Foundation (January 2008) **2 credit**
Current Concepts in Synovial Tissue of the Knee Joint
Orthopedics, Vindico Medical Education (February 2008) **1 credit**
Knee Problems
Knee Solutions Audio-Digest Foundation (February 2008) **2 credits**
Orthopedic Manifestations and Management of Patients with von Willebrand Disease
Orthopedics, Vindico Medical Education (March 2008) **1 credit**
Repairing Shoulder Fractures and Tears
Audio-Digest Foundation (March 2008) **2 credits**
MIS For THA
Audio-Digest Foundation (April 2008) **2 credits**
Radiocarpal Dislocations
Orthopedics, Vindico Medical Education (April 2008) **1 credit**
Practical Trauma Treatment
Audio-Digest Foundation (May 2008) **2 credits**
Evaluation and Management of the Infected Total Hip and Knee
Orthopedics (June 2008) **1 credit**
Orthopaedic Trauma
Audio-Digest Foundation (June 2008) **2 credits**
Lippincott's Bone and Joint Newsletter, Vol. 14, No.6
Lippincott Continuing Medical Education Institute, Inc. (June 2008) **1.5 credits**
Thigh Pain after Total Hip Replacement
Orthopedics, Vindico Medical Education (July 2008) **1 credit**
Examination of the Elbow/Surgery for Stiff Elbow
Audio-Digest Foundation (July 2008) **2 credits**
Upper Extremity Update
Audio-Digest Foundation (August 2008) **2 credits**
Lippincott's Bone and Joint Newsletter, Vol. 14, No.8
Lippincott Continuing Medical Education Institute, Inc. (September 2008) **1.5 credits**
Lippincott's Bone and Joint Newsletter, Vol. 14, No.9
Lippincott Continuing Medical Education Institute, Inc. (October 2008) **1.5 credits**
Foot and Ankle Symposium
Audio-Digest Foundation (October 2008) **2 credits**
Prevention, Identification, and Treatment of Postmenopausal Osteoporosis
Medscape from WebMD (November 2008) **1 credit**

Enabling Patients to Participate in Self-Care Activities after Transferring From the Hospital to the Home A Review with Video
Medscape from WebMD (November 2008) **0.5 credits**

Viscosupplementation for Osteoarthritis of the Knee: Strategies to Improve Patient Outcomes
Medscape from WebMD (November 2008) **1 credit**

Medication Errors and Patient Safety in Mental Health
Medscape from WebMD (November 2008) **1.5 credits**

Assuring Quality Care for People with Limited Health Literacy
Medscape from WebMD (November 2008) **0.5 credits**

Turning Adverse Drug Events into Better Patient Care
Medscape from WebMD (November 2008) **1 credit**

Drug Mix-Ups Threaten Patient Safety
Medscape from WebMD (November 2008) **1 credit**

Cases from AHRQ WebM&M: Copy and Paste
Medscape from WebMD (November 2008) **0.25 credits**

Cases from AHRQ WebM&M: The Wrongful Resuscitation
Medscape from WebMD (November 2008) **0.25 credits**

Cases from AHRQ WebM&M: The Inside of a Time out
Medscape from WebMD (November 2008) **0.25 credits**

Most Patients Prefer Their Physicians to Greet Them with a Handshake and Introduction
Medscape from WebMD (November 2008) **0.25 credits**

Patient-Physician Email Communication May Be Effective
Medscape from WebMD (November 2008) **0.25 credits**

Patient Email Access to Surgeons May Improve Communication
Medscape from WebMD (November 2008) **0.25 credits**

Improving Communication Skills Enhances Efficiency and Patient-Clinician Relationships
Medscape from WebMD (November 2008) **0.25 credits**

Communication Drug Risks to Patients
Medscape from WebMD (November 2008) **1 credit**

Examining the Fingernails Evaluating Presenting Symptoms in Elderly Patients
Medscape from WebMD (November 2008) **0.5 credits**

Evaluating Foot Pain in Elderly Patients
Medscape from WebMD (November 2008) **0.5 credits**

Prophylaxis of Thromboembolic Disease: A Multidisciplinary Discussion
Medscape From WebMD (November 2008) **0.5 credits**

Race and Surgical Outcomes: It Is Not All Black and White
Medscape from WebMD (November 2008) **0.75 credits**

Tumor Necrosis Factor Alpha Drugs in Rheumatoid Arthritis: Systematic Review and Metaanalysis of Efficacy and Safety
Medscape from WebMD (November 2008) **1 credit**

Smoking and Secondhand Smoke
CME Resource #9177 (November 2008) **10 credits**

Skin Cancers
CME Resource #9062 (November 2008) **5 credits**

Men's Health Issues
CME Resource #9375 (November 2008) **15 credits**

Herbal Medications: An Evidence-Based Review
CME Resource #9838 (November 2008) **10 credits**

Methamphetamine Abuse and Dependence
CME Resource #9181 (November 2008) **5 credits**

Domestic Violence
CME Resource #9789 (November 2008) **2 credits**

Consult: Diagnosing and Managing Chronic Kidney Disease Vol. 21, NO.4
Pennsylvania Medical Society (December 16, 2008) **1 credit**

Comparative Effectiveness of Drug Therapy for Rheumatoid Arthritis and Psoriatic Arthritis in Adults: AHRQ Executive Summary
Medscape from WebMD (December 2008) **1 credit**

Comparative Effectiveness of Treatments to Prevent Fractures in Men and Women With Low Bone Density or Osteoporosis: AHRQ Executive Summary
Medscape From WebMD (December 2008) **0.5 credits**

Teaming Up to Prevent Adverse Drug Effects
Medscape from WebMD (December 2008) **0.5 credits**

New Guidelines Issued for Management of Hip and Knee Osteoarthritis
Medscape from WebMD (December 2008) **0.25 credits**

Management of Acute Lumbar Disk Herniation Reviewed
Medscape from WebMD (December 2008) **0.25 credits**

HIV/AIDS: Epidemic Update
CME Resource #9484 (December 2008) **5 credits**

Diagnosing and Treating Overweight and Obese Patients
CME Resource #9156 (December 2008) **5 credits**

Bioterrorism; An Update for Healthcare Professionals
CME Resource #9161 (December 2008) **5 credits**

Hepatitis Viruses

CME Resource #9468 (December 2008) **5 credits**
Basics of Bacterial Resistance, Including MRSA
CME Resource #9428 (December 2008) **4 credits**
Sepsis: Diagnosis and Management
CME Resource #9427 (December 2008) **3 credits**
Promoting the Health of the Gay Community
CME Resource #9187 (December 2008) **5 credits**
Pain Management, Palliative Care and Treatment of the Terminally Ill
CME Resource #9727 (December 2008) **15 credits**
Nosocomial Infections
CME Resource #9447 (December 2008) **15 credits**
Providing Culturally Responsive Care to Asian Immigrants
CME Resource #9189 (December 2008) **10 credits**
Elder Abuse: Cultural Contexts and Implications
CME Resource #9781 (December 2008) **5 credits**
Medical Error Prevention and Root Cause Analysis
CME Resource #9134 (December 2008) **2 credits**
Medical Ethics for Physicians
CME Resource #4716 (December 2008) **5 credits**
Infectious Diseases
Audio-Digest (September 2008) Vol. 25:17
Fractures and Fixation
Audio-Digest (September 2008) Vol. 31:09
Bone & Joint Volume: 14 Issue 6
Lippincott CME Institute (December 15, 2008) **1.50 credits**
Bone & Joint Volume: 14 Issue 8
Lippincott CME Institute (December 15, 2008) **1.50 credits**
Bone & Joint Volume: 14 Issue 9
Lippincott CME Institute (December 15, 2008) **1.50 credits**

2009 45.5 credits

AAOS Board Review Course
American Academy of Orthopedic Surgeons **45.5 credits**

2010 256 credits

Bariatric Surgery for Weight Loss, CMC Resource, (April 19, 2010) **5 credits**
Opiate Abuse and Dependence, CMC Resource, (April 19, 2010) **10 credits**
Acute Coronary Syndrome, CMC Resource, (April 19, 2010) **15 credits**
Hand and Upper Extremity Surgery: Latest Evidence and Techniques
NYU School of Medicine, New York, NY (May 1, 2010) **8 credits**
Alcohol, Alcohol Abuse and Alcohol Dependence, CMC Resource, (May 3, 2010) **10 credits**
Antibiotics Review, CMC Resource, (May 3, 2010) **5 credits**
Palliative Care and Pain Management at the End of Life, CMC Resource, (May 3, 2010) **15 credits**
Basics of Bacterial Resistance, Including MRSA, CMC Resource, (May 3, 2010) **4 credits**
Care of the Pediatric Trauma Patient, CMC Resource, (May 3, 2010) **15 credits**
Metabolic Syndrome: A Growing Epidemic, CMC Resource, (May 3, 2010) **5 credits**
Herbal Medications: An Evidence-Based Review, CMC Resource, (May 3, 2010) **10 credits**
34th Annual Scientific Meeting & Workshops of the American Academy of Neurological And Orthopedic Surgeons
AAOS, Denver, Colorado (May 6-8, 2010) **20.25 credits**
AAOS/ASES/OTA Proximal Humeral Fractures, American Academy of Orthopedic Surgeons
Orthopedic Learning Center, Rosemont, Illinois (May 14-15, 2010) **14.75 credits**
Medical Ethics for Physicians, CMC Resource, (June 4, 2010) **5 credits**
Clinical Management of Ventricular Arrhythmias, CMC Resource, (June 4, 2010) **15 credits**
A Review of Interventional Radiology, CMC Resource, (June 4, 2010) **10 credits**
Clinical Management of Atrial Fibrillation, CMC Resource, (June 4, 2010) **10 credits**
Bioterrorism: An Update for Healthcare Professionals, CMC Resource, (June 4, 2010) **5 credits**
Carpal Tunnel Syndrome, CMC Resource, (June 4, 2010) **3 credits**
Influenza: A Comprehensive Review, CMC Resource, (June 4, 2010) **10 credits**
Animal-Related Health Risks, CMC Resource, (June 4, 2010) **15 credits**
Pennsylvania Patient Safety Update
Informed 2010-2011 Pennsylvania Patient Safety Update, (June 14, 2010) **12 credits**
Bloodstream Infection/Transfusion Medicine, Audio-Digest (June 21, 2010) Vol.50:17 **2 credits**
Patient Safety and Patient Satisfaction, Audio-Digest (June 21, 2010) Vol.57:05 **2 credits**
Rules and Laws of Medical Practice: Part 1 Audio-Digest (June 21, 2010) Vol. 56:02 **2 credits**
Rules and Laws of Medical Practice: Part 2 Audio-Digest (June 21, 2010) Vol. 56:02 **2 credits**
Medico-Legal Issues in Ophthalmology, Audio-Digest (June 21, 2010) Vol. 47:08 **2 credits**
Cancer Surgery, Audio-Digest Vol.55:17 (June 21, 2010) **2 credits**
Practical Approaches to Shoulder Arthroscopy, Audio-Digest (June 2010) Vol. 31 11 **2 credits**
Treating Traumatic Fractures: Pelvic, Acetabular, and Tibial, Audio-Digest (June 21, 2010) Vol. 31:18 **2 credits**
Elbow Issues, Audio-Digest (June 21, 2010) Vol. 32:01 **2 credits**

Fractures: Tibial and Clavicle Infections: Shoulder Arthroplasty, Audio-Digest (June 21, 2010) Vol. 47:08 **2 credits**
Foot Problems, Audio-Digest (June 21, 2010) Vol. 32:03 **2 credits**
Infection Consult, Audio-Digest (June 21, 2010) Vol. 32:06 **2 credits**
Spinal Disorders, Audio-Digest (June 21, 2010) Vol. 32:07 **2 credits**
Upper Extremity Update: Part 1, Audio-Digest (June 21, 2010) Vol. 32:08 **2 credits**
Upper Extremity Update: Part 2, Audio-Digest (June 21, 2010) Vol. 32:09 **2 credits**
Guidelines for Orthopaedic Trauma, Audio-Digest (June 21, 2010) Vol. 32:10 **2 credits**
Infectious Diseases, Audio-Digest (June 21, 2010) Vol. 32:09 **2 credits**

2011 66.50 Credits

Fifteenth Penn State Hershey Trauma Symposium

Penn State Hershey College of Medicine (May 20, 2011) **7 credits**

DDW: Weight-Loss Surgery for Seniors

University of Pennsylvania School of Medicine Office of CME (May 22, 2011) **.25 credits**

Tai Chi Helps Prevent Falls, Aids Mental Health

University of Pennsylvania School of Medicine Office of CME (May 22, 2011) **.25 credits**

Obesity Plus Arthritis Equals Even Less Exercise

University of Pennsylvania School of Medicine Office of CME (May 22, 2011) **.25 credits**

EuroPCR: Novel Bare Metal Stent Ties with Leading DES

University of Pennsylvania School of Medicine Office of CME (May 22, 2011) **.25 credits**

35th Annual Scientific Meeting & Workshops of the American Academy of Neurological And Orthopedic Surgeons
AANOS, Portland, Oregon (June 8-11, 2011) **20.25 credits** **Improving Osteoporosis**

Screening and Treatment in Older Adults to Prevent Fragility Fractures Medscape (June 10, 2011) **2 credits**

Dealing with Serious Postoperative Complications: Preventing Symptomatic VTE without Increasing Bleeding
Medscape (June 10, 2011) **.25 credits**

Earlier Surgery for Hip Fracture Linked to Better Outcomes in Elderly Patients
Medscape (June 10, 2011) **.25 credits**

Selective COX-2 Inhibitors Cause Less Acidification than NSAID Plus PPI
Medscape (June 10, 2011) **.25 credits**

Assessment of the Safety of the Older Driver: Keeping the Roads Safe
Medscape (June 10, 2011) **.25 credits**

What Primary Care Physicians Should Know About Fibromyalgia: Connecting the Dots between Diagnosis and Pain Management
Medscape (June 10, 2011) **1.25 credits**

Higher Calcium Intake May Not Lower Risk for Fractures and Osteoporosis
Medscape (June 10, 2011) **.25 credits**

A Challenging Case of Osteoarticular Infection: Treatment and Management
Medscape (June, 2011) **.75 credits**

Study Reviews Management of Acute Pain After Hip Fracture
Medscape (June 10, 2011) **.25 credits**

Sufficient Dairy Intake Improves Bone Health Among Postmenopausal Women
Medscape (June 10, 2011) **.25 credits**

Authorities More Aware of Child Abuse
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

MRI Performs Poorly in Infant Abuse Detection
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Head Trauma Worse When Abuser Is Male
University of Penn. School of Medicine Office of CME (June 11, 2011) **.25 credits**

Drugging Kids a Form of Abuse
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Child Protective Services Found Ineffective
University of Penn School of Medicine Office of CME (June 11, 2011) **.25 credits**

AAP: Child Abuse Rises When Parents Lose Jobs
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Inflammatory Arthritis Patients Lacking in Preventive Care
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Novel Weight-Loss Pill Helps Shed Pounds
University of Penn School of Medicine Office of CME (June 11, 2011) **.25 credits**

Ligament Tears Common in Early Neuropathic Joint Disease
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Spinal Fractures Overlooked in Lupus
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

No Cancer Risks with Bisphosphonates
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

The Earlier the Better for Hip Fracture Surgery
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Lifestyle Intervention Helps Even Most Obese
University of Penn. School of Medicine Office of CME (June 11, 2011) **.25 credits**

No Help for OA with Popular Supplements
University of Penn. School of Medicine Office of CME (June 11, 2011) **.25 credits**

Exercise May Lower Risk of Falls and Fractures
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Factors Identified for Bone Risk in Men on ADT
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

ASBMR: Bone Drug Raises Quality of Life
University of Penn. School of Medicine Office of CME (June 11, 2011) **.25 credits**

Music-Exercise Program May Help Elderly Avoid Falls
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

ASBMR: Analysis Adds to Evidence of Unusual Factors
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Docs Don't Follow OA Guidelines
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Disparities Seen In RA Drug Therapy
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Adverse Effects Weigh Heavily In Patients' Drug Decisions
University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

Hip Replacement Costs: Robbing Peter to Pay Paul?

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Arthritis Takes Varying Toll on Hispanics
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
ENDO: New Vitamin D Guidelines Stress Screening
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Hand Cleansers Cut Absenteeism
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
ICAAC: Presurgical Vancomycin May Have Limited Use Against MRSA
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
IDSA: Household Smokers Increase Kid's Flu Risk
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
IDSA: Mandatory Flu Shots Raise Staff Vaccination Rates
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
IDSA: Linezolid Wins Battle on MRSA Pneumonia
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
AASLD: Early Study Shows HCV Vaccine Works
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
HPV Vaccine for MSM Cost Effective
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Bacteria Colonize Tongue Piercings Differently
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Yields to Novel Antibiotic
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Short Sleeves Don't Stop Bacteria in Hospitals
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
ICU Central Line Infections Down, CDC Says
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Preemptive Antibiotics Cut Bacteremia from Resistant Bugs
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Lower MRSA Acquisition Tied to Better Cleaning
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Infection Control Bundle Reins in MRSA
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
C. Diff Increases Mortality in Hospitalized IBD Patients
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Measles Takes Toll on AZ Hospitals
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Bacteremia Risk of IV's Not Fully Recognized
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
ACOG Issues Guidance against Surgical Errors
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Industry Gifts Okay with Most Doctors
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
AAMC: Patients Don't Need to Ask but Docs Must Tell
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Some Docs Wary of Acting as Informers
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Funding May Affect Reporting of Trial Results
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Shorter Forms Do Not Affect Informed Consent
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Lucrative Relationships Not Always Disclosed
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Barring Drug Samples Boosts Use of Other Meds
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
A Night of Drinking Dims Surgeons' Next Day Skills
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Docs Say Industry Funded CME Biased but Vital
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
AAP to Pediatricians: Admit Errors
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Autotransfusion Called Practical in Trauma Surgery
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Drug Info Pamphlets Inconsistent
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Fears Influence Actual Risk of Falls

C. Difficile

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
CPOE Safety Feature May Delay Care

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Deaths Drop with ICU Care Quality Program

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Program Cuts Inpatient Falls for the Elderly

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Little Progress Made In Insuring Patient Safety

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Nursing Home Med Errors Vary by Form of Drug

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Nurse Shortages Linked to Patient Survival

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Computerized System Slashes Psych Drug Errors

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Telemedicine Cuts Deaths in ICU

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Registry Identifies Surgical Risk Factors

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Common Issues Causes Hospital Rx Errors

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Trigger Tool Catches Adverse Events in Hospital

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Fracture Risk Tools Useful for Disabilities

University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**
Rose Visit 1: 68-year old Caucasian Women Concerned About Osteoporosis Treatment Side Effects

Cedars Sinai Medical Center (June 12, 2011) **.50 credits**
Long Term Use of Biphosphonates Increases Risk for Atypical Fractures

Medscape (June 11, 2011) **.25 credits**
Nutrient Dense Diet May Reduce Risk for Low-Trauma Fracture

Medscape (June 11, 2011) **.25 credits**
Established Fractured Risk Tools Prove Useful in Diabetes

Medscape (June 11, 2011) **.25 credits**
US Task Force Releases Updated Osteoporosis Screening

Medscape (June 11, 2011) **.25 credits**
Implementing Guidelines and Evidence-Based Medicine to Reduce the Risk for Osteoporotic Fractures

Medscape (June 11, 2011) **1.50 credits**
Management of Patients at Risk for Osteoporosis: Who Should Be Treated?

Medscape (June 11, 2011) **.50 credits**
Negative Emotions Increase Pain

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Selective Imaging Recommended for Low Back Pain

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Car Crash May Precipitate Chronic Pain

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Opioids Pose Hazards in the Elderly

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Naproxinod Helps in Hip OA

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
End-of-Life Care Varies Widely Study Shows

University of Penn. School of Medicine Office of CME (June 12, 2011) **.25 credits**
A Look Back at 2010 HIV/AIDS Research

University of Penn. School of Medicine Office of CME (June 12, 2011) **.25 credits**
New Analysis Reveals Fertility Issue with BMP-2

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Two Factors Blamed for Racial Variation in Sepsis

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Disparities Exist In Management of Chronic Pain

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
APA: Abused as Kids, Women More Likely to Abuse Partners

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Race Affects Obesity Counseling

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Pain Common at End of Life

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**
Science Can't Nail Down Anthrax Origin in Terror Letters

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**

Mystery Lifts in Plague Death

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**

ANN: Guideline Backs Pregabalin for Diabetic Nerve Pain

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**

Early Rehab Speeds Knee Replacement Recovery

University of Pennsylvania School of Medicine Office of CME (June 12, 2011) **.25 credits**

Low Hospital Surgical Volume Linked with Complications After Hip, Knee Arthroplasty

Medscape (June 12, 2011) **.25 credits**

Smoking Tied to Lower Risk of Joint Surgery

University of Pennsylvania School of Medicine Office of CME (July 9, 2011) **.25 credits**

A 33-year-old Woman with Multiple Sclerosis Presenting with Cognitive Symptoms

The Discovery Institute of Medical Education (June 11, 2011) **.50 credits**

Bone and Joint Volume: 17 Issue 3

Lippincott Continuing Medical Education Institute (November 15, 2011) **1.50 credits**

Bone and Joint Volume: 17 Issue 4

Lippincott Continuing Medical Education Institute (November 15, 2011) **1.50 credits**

Bone and Joint Volume: 17 Issue 5

Lippincott Continuing Medical Education Institute (November 15, 2011) **1.50 credits**

Bone and Joint Volume: 17 Issue 6

Lippincott Continuing Medical Education Institute (November 15, 2011) **1.50 credits**

2012 139.75 credits

Dupuytren's Disease, Vindico Medical Education (January 1, 2012) **1 credit**

Monteggia Fractures, Vindico Medical Education (February 1, 2012) **1 credit**

Diagnostic Medical Imaging Radiation Exposure and Risk of Development of Solid and Hematologic Malignancy, Vindico Medical Education (May 1, 2012) **1 credit**

Sixteenth Penn State Hershey Trauma Symposium

Penn State Hershey College of Medicine (May 15, 2012) **6.75 credits**

74th Annual Surgical Update of the United States Section of the International College of Surgeons, Atlanta, GA (June 6th, 2012-June 9th, 2012) **21.75 credits**

Twenty-third Annual James Buchanan Memorial Lecture

Penn State Hershey College of Medicine (June 15, 2012) **6 credits**

Audio Digest Foundation 102.25 credits on the following topics:

Prophylaxis for deep venous thrombosis, polyethylene wear in total joint arthroplasties, factors affecting flexion after total knee arthroplasty, unexplained femoral component loosening in cemented high-flex knee replacements, preoperative evaluation of the painful total knee arthroplasty, long-term results with constrained implants, when implant failure requires more constrained implants, reducing blood loss and revision total me arthroplasties, the role of knee fusion for total knee arthroplasty failures, solutions for extensor mechanism failure within the knee, how we learn from complications surgery, update in techniques for total shoulder arthroplasty, glenoid exposure techniques, preventing nerve injuries in shoulder surgeries, essentials for rotator cuff repair, evidence-based medicine and rotator cuff repairs, examination of the athletic knee, understanding and treating posterior-lateral knee injuries, athletic groin and hip injuries - their diagnosis and management, Essentials of rotator cuff repair, ankle fractures and neuropathic and diabetic patients, managing Perry Taylor fractures and just locations, the polytrauma patient when and how to transfer, treatment of low energy to deal plateau fractures, complex tibial plateau fractures, clavicular fractures and different treatment methods, lateral column lengthening and midfoot fusions, managing valgus angle pes planus deformities, medical ethics, issues surrounding death and dying, "do not resuscitate" orders in the perioperative period, painful flatfoot in adolescents, adults with a history of clubfoot, tarsal coalition management, maximizing nonoperative treatment in foot and ankle injuries, outcome optimization in high-risk patients, non-operative management of ankle injuries, osteochondritis desicans lesions of the talus , rotator cuff problems with glenohumeral chondral defects, use of ortho-biologics and shoulder surgery, radiographic determination of fracture healing, unstable pelvic fractures, femero-acetabular impingement, the snapping hip, distal radius fracture update, compression fractures of the spine, medical management of osteoporosis, the "smashed" patella, segmented tibial fracture management,arthroscopic glenohumeral resurfacing, partial rotator cuff tear and indications for surgery, knee ligament reconstruction in the skeletally immature patient, anatomic exposures for shoulder surgery, timing a fracture care, intra-articular fractures of the proximal tibia, partial thickness rotator cuff tear management, suprascapular neuropathy management, Open reduction and internal fixation for displaced femoral neck fractures in the elderly, knee dislocation -management and reconstruction, fusion for Lisfranc fracture dislocations, salvage of the crushed and mangled foot with vascular injuries, high-energy tibial plateau fractures -a staged protocol, understanding coding modifiers, operative fracture care coding, non-operative fracture care coding, work up of the patient with a fracture non-union, management and treatment options for chronic osteomyelitis, optimizing anesthesia to reduce postoperative pain, intracranial hypotension and headache with cerebral spinal fluid leaks, minimally invasive approaches for spinal tumors, neurologic cases with difficult differential diagnosis's, update on osteochondritis Desicans in sports injuries, pearls and pitfalls of multiple ligament knee injury management, update on reconstruction of the anterior screening patients with spinal pain, psychologc assessment of patients with low back pain, spinal care and evidence-based medicine, low-energy distal radius fractures in osteoporotic bone, high-energy pediatric hip fractures, calcaneal fractures- tips and pearls, innovative therapies for knee injuries, current concepts in treating focal cartledge deficits, the natural history and treatment of patellar dislocation, sports injuries in children and adolescents, musculoskeletal infections in children, acute anterior dislocation of the shoulder, maximizing results with arthroscopic labral repair, revision of failed instability

surgery, bone quality and bone strength, bone imaging update, managing bone loss, slap lesion repair, massive rotator cuff tears - management, New treatments for patellofemoral instability, metastatic disease management, management of instability of the distal radial ulnar joint, treatment strategies for total knee arthroplasties and why they fail, unicompartmental arthritis of the knee and contraindications for surgery, exposure techniques for shoulder arthroplasty, outcomes of robotically assisted unicompartmental knee arthroplasties, arthroscopic rotator cuff repair without anchors, pearls and pitfalls in pediatric orthopedics, common sports injuries and return to play, orthopedic preparticipation physical examination, low back pain management, hip pain management, the treatment algorithm for restoration of articular cartilage, treatment of ACL injuries, or total shoulder replacement techniques, minimally invasive rotator cuff sparing shoulder techniques, new perspectives in hip and lower extremity trauma, update on meniscal repairs, meniscectomy, the role of meniscal transplantation and osteotomy after meniscectomy, why initial fracture fixation fails, Peri- prosthetic hip fracture, Peri- prosthetic knee fractures, reverse total shoulder arthroplasty for fractures, nonoperative and postoperative rehabilitation for shoulder instability, ulnar collateral ligament injuries -causation treatment and outcomes, ulnar collateral ligament reconstruction -variations, new advances intended repair, pediatric lower extremity fracture update, femoral shaft fracture update, Role of parathyroid hormone and bone health, the diagnosis and treatment of osteoporosis, ankle sprain diagnosis and management, forefoot trauma , ankle arthritis update , complications of hand fracture fixation, acupuncture in the upper extremity, surgical indications for scapular and clavicle fracture fixation, tibial shaft fractures-current concepts, fractures of the distal radius -different treatment options, fractures of the pelvic ring evaluation and treatment.

2013 186.25 Credits

Pediatric Surgical Issues, Audio-Digest (Jan. 28, 2013) Vol. 33:02 **2 credits**
Issues in Bone Health, Audio-Digest (Jan. 28, 2013) Vol. 33:03 **2 credits**
Foot and Ankle Problems, Audio-Digest (Jan. 28, 2013) Vol. 33:04 **2 credits**
Perspectives on Upper Extremity Injury, Audio-Digest (Jan. 28, 2013) Vol. 33:05 **2 credits**
Fixation of Traumatic Fractures, Audio-Digest (Jan. 28, 2013) Vol. 33:06 **2 credits**
Traumatic Fractures: Problems and Solutions, Audio-Digest (Jan. 28, 2013) Vol. 33:07 **2 credits**
Reverse Total Shoulder Arthroplasty (TSA), Audio-Digest (Jan. 28, 2013) Vol. 33:08 **2 credits**
Sports Injuries, Audio-Digest (Jan. 28, 2013) Vol. 33:09 **2 credits**
Spotlight on Traumatic Injuries, Audio-Digest (Jan. 28, 2013) Vol. 33:10 **2 credits**
Orthopaedic Challenges, Audio-Digest (Jan. 28, 2013) Vol. 33:11 **2 credits**
Knee and Shoulder Surgery, Audio-Digest (Jan. 28, 2013) Vol. 33:12 **2 credits**
Athletic Knee Injuries, Audio-Digest (Jan. 28, 2013) Vol. 33:13 **2 credits**
Orthopaedic Trauma, Audio-Digest (Jan. 28, 2013) Vol. 33:14 **2 credits**
Upper Extremity Update, Audio-Digest (Jan. 28, 2013) Vol. 33:15 **2 credits**
Harvard Advances in Arthroplasty Part 1, Audio-Digest (Jan. 28, 2013) Vol. 33:16 **2 credits**
Scoliosis/Club Foot/Rheumatoid Arthritis, Audio-Digest (Jan. 28, 2013) Vol. 33:18 **2 credits**
Practical Orthopaedics, Audio-Digest (Jan. 28, 2013) Vol. 33:19 **2 credits**
Shoulder Controversies, Audio-Digest (Jan. 28, 2013) Vol. 33:20 **2 credits**
Fractures, Audio-Digest (Jan. 28, 2013) Vol. 33:21 **2 credits**
Shoulder Instability, Audio-Digest (Jan. 28, 2013) Vol. 33:22 **2 credits**
Foot and Ankle Symposium, Audio-Digest (Jan. 28, 2013) Vol. 33:23 **2 credits**
Tendon and Bone Trauma, Audio-Digest (Jan. 28, 2013) Vol. 33:24 **2 credits**
Trauma Symposium, Audio-Digest (Jan. 28, 2013) Vol. 34:01 **2 credits**
Forbidding Fractures, Audio-Digest (Jan. 28, 2013) Vol. 34:02 **2 credits**
Sports Injuries, Audio-Digest (Jan. 28, 2013) Vol. 34:03 **2 credits**
Shoulder Subjects, Audio-Digest (Jan. 28, 2013) Vol. 34:04 **2 credits**
Harvard Advances in Arthroplasty Part 1, Audio-Digest (Jan. 28, 2013) Vol. 34:05 **2 credits**
Shoulder Surgery, Audio-Digest (Jan. 28, 2013) Vol. 34:07 **2 credits**
Trauma Treatment, Audio-Digest (Jan. 28, 2013) Vol. 34:08 **2 credits**
Shoulder Surgery and ACL Reconstruction, Audio-Digest (Jan. 28, 2013) Vol. 34:09 **2 credits**
Tips and Pearls on Traumatic Injuries, Audio-Digest (Jan. 28, 2013) Vol. 34:10 **2 credits**
Orthopaedic Trauma/Arthroscopic Challenges, Audio-Digest (Jan. 28, 2013) Vol. 34:11 **2 credits**
Rotator Cuff Problems/Glenohumeral Chondral Defects, Audio-Digest (Jan. 28, 2013) Vol. 34:12 **2 credits**
Foot and Ankle Orthopaedics, Audio-Digest (Jan. 28, 2013) Vol. 34:13 **2 credits**
Pediatric Foot Problems, Audio-Digest (Jan. 28, 2013) Vol. 34:14 **2 credits**
Ethics, Audio-Digest (Jan. 28, 2013) Vol. 34:15 **2 credits**
Operative Management of Flatfoot and Ankle Arthritis, Audio-Digest (Jan. 28, 2013) Vol. 34:16 **2 credits**
Traumatic Injuries, Audio-Digest (Jan. 28, 2013) Vol. 34:17 **2 credits**
Focus on the Shoulder, Part 1: Rotator Cuff Repair, Audio-Digest (Jan. 28, 2013) Vol. 34:18 **2 credits**
Focus on the Shoulder, Part 2: Surgical Challenges, Audio-Digest (Jan. 28, 2013) Vol. 34:19 **2 credits**
All About Bone, Audio-Digest (Jan. 28, 2013) Vol. 34:20 **2 credits**
Arthroscopic Shoulder Repair, Audio-Digest (Jan. 28, 2013) Vol. 34:21 **2 credits**
Patella Problems, Audio-Digest (Jan. 28, 2013) Vol. 34:22 **2 credits**
Innovative Therapies for Knee Injuries, Audio-Digest (Jan. 28, 2013) Vol. 34:23 **2 credits**
Challenging Fractures, Audio-Digest (Jan. 28, 2013) Vol. 34:24 **2 credits**
Aspects of Spine Care, Audio-Digest (Jan. 28, 2013) Vol. 35:01 **2 credits**
The Law and the Orthopaedics, Audio-Digest (Jan. 28, 2013) Vol. 35:02 **2 credits**
Pediatrics for the Orthopaedics, Audio-Digest (Jan. 28, 2013) Vol. 35:03 **2 credits**
Sports Injuries, Audio-Digest (Jan. 28, 2013) Vol. 35:04 **2 credits**
Neurology of the Spine, Audio-Digest (Jan. 28, 2013) Vol. 35:05 **2 credits**

Focus on Trauma, Audio-Digest (Jan. 28, 2013) Vol. 35:06 **2 credits**
Focus on the Meniscus, Audio-Digest (Jan. 28, 2013) Vol. 35:08 **2 credits**
New Perspectives on the Hip/Lower Extremity Area, Audio-Digest (Jan. 28, 2013) Vol. 35:09 **2 credits**
Shoulder Strategies, Audio-Digest (Jan. 28, 2013) Vol. 35:10 **2 credits**
Directions in Treatment of ACL/Traumatic War Injuries, Audio-Digest (Jan.28, 2013) Vol. 35:11 **2 credits**
Fifteenth Annual Hand Surgery Symposium Avengers of the Wrist, Philadelphia, PA
(April 6, 2013-April 8, 2013) 27.75 credits
75th Annual Surgical Update of the United States Section of the International College of Surgeons, Jacksonville, FL (June 5th 2013-June 9th 2013) **12.50 credits**
Palliative Care and Pain Management at the End of Life, CME Resource (Oct. 18, 2013) **2 credits**
Medical Ethics of Physicians, CME Resource (Oct.18, 2013) **1 credit**
Pneumonia, CME Resources (Oct. 18, 2013) **1 credit**
Current Cartilage Concepts, Audio-Digest (Oct. 21, 2013) Vol. 35:12 **2 credits**
The Young Patient, Audio-Digest (Oct. 21, 2013) Vol. 35:13 **2 credits**
Problems and Solutions, Audio-Digest (Oct. 21, 2013) Vol. 35: 20 **2 credits**
Practical Surgical Advice, Audio-Digest (Oct. 21, 2013) Vol. 35:21) **2 credits**
Advances in Total Knee Arthroplasty/Glenohumeral & Biceps Issues, Audio-Digest (Oct. 21, 2013) Vol. 35:22 **2 credits**
Humeral Fractures/Biceps Disease/Bone Loss, Audio-Digest (Oct. 21, 2013) Vol. 35-23 **2 credits**
Rotator Cuff Repair, Audio-Digest (Oct. 21, 2013) Vol. 36:01 **2 credits**
Instability/Rotator Cuff Repair, Audio-Digest (Oct. 21, 2013) Vol. 36:02 **2 credits**
Elderly Patients/Malpractice Issues, Audio-Digest (Oct. 21, 2013) Vol. 36:03 **2 credits**
Wrist Injuries/Younger Patients, Audio-Digest (Oct. 21, 2013) Vol. 36:04 **2 credits**
The Aching Back, Audio-Digest (Oct. 21,2013) Vol. 36:05 **2 credits**
Below the Knee, Audio-Digest (Oct. 21, 2013) Vol. 36:06 **2 credits**
Issues in the Younger Patient, Audio-Digest (Oct. 21,2013) Vol. 36:07 **2 credits**
Questions and Controversies, Audio-Digest (Oct. 21,2013) Vol. 36:08 **2 credits**
Spotlight on the Shoulder, Audio-Digest (Oct. 21,2013) Vol. 36:09 **2 credits**
Adjuvant Tumor Therapy/Hip Issues/Artificial Joints, Audio-Digest (Oct. 21, 2013) Vol. 36:10 **2 credits**

2014 118.5 Credits

Wrists and Spines, Audio-Digest (April 17, 2014) Vol. 36:11 **2 credits**
Orthopaedic Trauma/Practice Management, Audio-Digest (April 17,2014) Vol. 36:15 **2 credits**
Pain Management: Techniques for Improving Care, Audio-Digest (April 17, 2014) Vol. 36:16 **2 credits**
Spine and Shoulder, Audio-Digest (April 17, 2014) Vol. 36:17 **2 credits**
Fractures/Hip Repair, Audio-Digest (April 17, 2014) Vol. 36:18 **2 credits**
Trauma Surgery, Audio-Digest (April 17, 2014) Vol. 36:19 **2 credits**
76th Annual Surgical Update of the United States Section of the International College of Surgeons, Memphis, TN (June 11th, 2014-June 14th, 2014) **17.50 credits**
Is Joe's Carpal Tunnel Syndrome Work-Related?, Cary Medical Center (August 14, 2014) **1 credit**
Heterotopic Ossification, Keck School of Medicine of USC (Nov. 11, 2014) **1 credit**
Infection After ACL Reconstruction, Keck School of Medicine of USC (Nov. 11, 2014) **1 credit**
Efficacy of Surgical Interventions for a Bipartite Patella, Keck School of Medicine of USC (Nov. 11, 2014) **1 credit**
Salvage of Failed Total Hip Arthroplasty With Proximal Femoral Replacement, Keck School of Medicine of USC (Nov. 11, 2014) **1 credit**
Stratified Scaffolds, Keck School of Medicine of USC (Nov. 11, 2014) **1 credit**
Biological Adhesives in Orthopedic Surgery, Keck School of Medicine (Nov. 11, 2014) **1 credit**
Chronic Pain Syndromes: Current Concepts and Treatment Strategies, NetCE (Nov. 17, 2014) **15 credits**
Pressure Ulcers: Pathogenesis and Management, NetCE (Nov. 17, 2014) **10 credits**
Type 2 Diabetes: Treatment Strategies for Optimal Care, NetCE (Nov. 17,2014) **5 credits**
Hypertension: Strategies to Improve Outcomes, NetCE (Nov. 17, 2014) **5 credits**
Cancer Screening, NetCE (Nov. 17, 2014) **10 credits**
Prescription Opioids: Risk Management and Strategies for Safe Use, NetCE (Nov. 17, 2014) **15 credits**
Risk Management, Audio-Digest (Dec. 22, 2014) **2 credits**
Damage Control Orthopedics, Audio-Digest (Dec. 22, 2014) **2 credits**
The Challenge of Pelvic Ring Injuries, Audio-Digest (Dec. 22, 2014) **2 credits**
The Latest on Osteoarthritis and Rheumatoid Arthritis, Audio-Digest (Dec. 22, 2014) **2 credits**
Facts on Fractures: Femur, Patella, and Humerus, Audio-Digest (Dec. 22, 2014) **2 credits**
The Future of Hip and Knee Replacement/Pediatric ACL Injuries, Audio-Digest (Dec. 22, 2014) **2 credits**
Advances in Fracture Management, Audio-Digest (Dec. 22, 2014) **2 credits**
Foot and Ankle Problems, Audio-Digest (Dec. 22, 2014) **2 credits**
Spinal Disorders/Pain Management, Audio-Digest (Dec. 22, 2014) **2 credits**
Spine Topics, Audio-Digest (Dec. 22, 2014) **2 credits**
Shoulder Instability/Other Shoulder Issues, Audio-Digest (Dec. 14, 2014) **2 credits**

2015 44 Credits

Opioid Abuse and Dependence, NetCE (March 17, 2015) **10 credits**
77th Annual Surgical Update of the United States Section of the International College of Surgeons, Annapolis, MD (June 11, 2015 - June/13/15) **19 credits**
Risk Management, NetCE (Nov. 18, 2015) **5 credits**

Medical Ethics for Physicians, NetCE (Nov. 18, 2015) **5 credits**
Infection Control: The New York Requirement, NetCE (Nov. 18, 2015) **5 credits**

2016 15 Credits

78th Annual Surgical Update of the United States Section of the International College of Surgeons, Troy, MI (June 16, 2016-June 18, 2016) **15 credits**

2017 81 Credits

SCOPE of Pain: Safe and Competent Opioid Prescribing Education, NetCE (April 30, 2017) **2 credits**
Post-Traumatic Stress Disorder, NetCE (April 30, 2017) **15 credits**
Ischemic Stroke, NetCE (April 30, 2017) **10 credits**
Medical Marijuana and Other Cannabinoids, NetCE (April 30, 2017) **5 credits**
Antibiotics Review, NetCE (April 30, 2017) **5 credits**
79th Annual Surgical Update of the United States Section of the International College of Surgeons, Seattle, WA (June 15, 2017-June 17, 2017) **16 credits**
Child Abuse Identification and Reporting: The 3-Hour Pennsylvania Requirement, NetCE (June 30, 2017) **3 credits**
Burnout in Physicians, NetCE (June 30, 2017) **5 credits**
Diagnosing and Treating Overweight and Obese Patients, NetCE (June 30, 2017) **5 credits**
Low Back Pain, NetCE (June 30, 2017) **15 credits**

2018 65 credits

80th Annual Surgical Update of the United States Section of the International College of Surgeons, Chicago, IL (April 26, 2018-April 28, 2018) **18 credits**
Pathways to Safer Opioid Use, American Public Health Association (May 15, 2018) **1 credit**
Highlights from the 6th Annual UCSF Techniques in Complex Spine Surgery Course, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 17th Annual Chicago Trauma Symposium, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Elbow Fractures/Polytrauma, The Audio-Digest Foundation (May 16, 2018) **2 credits**
From the SCPMG Dale Daniel, MD, Orthopaedics Symposium, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 2017 SCPMG Dale Daniel, MD, Orthopaedic Symposium, The Audio-Digest Foundation (May 16, 2018) **2 credits**
DXA Measurements, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Orthopedics Potpourri, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Transforaminal Lumbar Interbody Fusion/Femur, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from UCSF Hip and Knee Orthopaedic Surgery, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 12th Annual UCSF Spine Symposium, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 62nd Annual Leroy C. Abbott Society Scientific Program and 38th Annual Verne T., The Audio-Digest Foundation (May 16, 2018) **2 credits**
Spine Problems, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 34th Annual San Diego Shoulder Course, Part I, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 34th Annual San Diego Shoulder Course, Part II, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Atypical Femur Fractures, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Pediatric Bone Disease, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 2017 USC Spine Symposium, Part I, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 2017 USC Spine Symposium, Part II, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Drug Therapy for Osteoporosis, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Rheumatologic Disease, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the ABCs of Pediatric Orthopaedics, Sports Medicine, and Rehabilitation, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Highlights from the 7th Annual Johns Hopkins Spine Workshop, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Diagnosis and Management of the Shoulder and Scapula, The Audio-Digest Foundation (May 16, 2018) **2 credits**
Epic Training at Nash UNC Health Care, UNC School of Medicine (September, 2018) **10 Credits**

2019

Operation Giving Back - Consortium of Universities for Global Health, American College of Surgeons, (March, 2019) **6.75 credits**
Opioids, The Pain Doesn't Stop Here MagMutual (April, 2019) **1 Credit**
Electric Health Records , Safe and Effective Use, MagMutual (April, 2019) **1 Credit**