

***CURRICULUM VITAE***  
**AND**  
**CONTINUING EDUCATION CREDITS**

**MARK NICHOLAS PERLMUTTER, M.S., M.D.**

**UPIN: E64770 NPI: 1467540534 CONTACT: 717.836.6833**

**EDUCATION**

Rutgers University, Cook College (9/1973 – 7/1975)  
Department of Animal Sciences

Ohio State University

Bachelor of Science (9/1975 – 6/1977)

College of Agriculture, Department of Animal Sciences

Masters 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 (9/2009)

**ACKNOWLEDGEMENTS**

[American Academy of Orthopedic Surgeons Bulletin Frontlines](http://www.aaos.org/wordhtml/bulletin/aproz/fline4.htm), 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>

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)

## **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 - 2014  
Ethics Committee, International College of Surgeons, 2013 - 2014  
Board of Regents, International College of Surgeons, 2014  
Board of Directors, American Academy of Neurologic and Orthopedic Surgery, 2014  
Planning Committee and the Education and Scientific Organizing Committee, American Academy of Neurologic and Orthopedic Surgery, 2014  
AMA Advisory Task Force Committee, International College of Surgeons, 2014  
Ethics and Grievance Committee, International College of Surgeons, 2014

## **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)

## **COMMUNITY AND INTERNATIONAL MEMBERSHIPS AND MISSIONS**

Todd Beemer Little League Baseball Foundation, Founder/President  
Hands Healing Hearts International Surgical Missions (1993 - Present)  
Founder, Dr. Alan Oram Memorial Award Berwick Area Senior High (1997 - 2005)  
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)  
ST Advisory Committee-Allied Health/Sciences, Wilson Community College (May 2017)

## **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 - Present)  
Eastern Regional Surgical Center (Currently in process)  
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, Bloomsburg, 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 - 76<sup>th</sup> Annual Surgical Update, 2014

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

"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.

## **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 Preconference 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  
 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 Graying 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**

62<sup>nd</sup> 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**  
 AANOS, 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**  
 University of Pennsylvania School of Medicine Office of CME (June 11, 2011) **.25 credits**

C. Difficile

**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 Fracture 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**  
**74<sup>th</sup> Annual Surgical Update of the United States Section of the International College of Surgeons**, Atlanta, GA (June 6<sup>th</sup>, 2012-June 9<sup>th</sup>, 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 knee 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, psychological 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 cartilage 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

**75<sup>th</sup> Annual Surgical Update of the United States Section of the International College of Surgeons**, Jacksonville, FL (June 5<sup>th</sup> 2013-June 9<sup>th</sup> 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**

**76<sup>th</sup> Annual Surgical Update of the United States Section of the International College of Surgeons**, Memphis, TN (June 11<sup>th</sup>, 2014-June 14<sup>th</sup>, 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 25 Credits**

**Opioid Abuse and Dependence**, NetCE (March 17, 2015) **10 credits**

**77<sup>th</sup> 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**

**78<sup>th</sup> 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            65 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**  
***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**