Orthopedics and Sports Medicine 2000 Medical Parkway Suite 101 Annapolis, MD 21401 410-268-8862

#### Employment:

Orthopedic Physicians of Annapolis, (formerly known as OSMC) 2000 Medical Parkway, Annapolis, MD, 21401 Tel: 410 268-8862 Orthopedic Surgeon, Board certified, Fellowship trained, Sports Medicine 11/99-present

#### Hospital Appointment:

### Anne Arundel Medical Center 2001 Medical Parkway, Annapolis, MD 21401 11/99-present

#### Volunteer work:

-Team Physician coverage, local Anne Arundel County High Schools 2000-present

-Team Physician, Anne Arundel Community College, 2016 - present

-Physician, Medical Tent through Medical VIP Program, Boston, MA Marathon, 2018

-Physician, Medical Tent, US Olympic Marathon Trials, Atlanta, GA, February 29, 2020

-Appointed to the **State of Maryland Athletic Training Advisory Committee**, 2016 - 2019

-Appointed to the **State of Maryland Task Force to Study Sports Injuries in High School Female Athletes**, 2015

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-formulated a report submitted to the Maryland General Assembly and Governor of Maryland that included findings and recommendations for the prevention of sports injuries in high school female athletes in Maryland

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-Founded and chair the **Annual Youth Sports Injury Prevention Conference** sponsored by Anne Arundel Medial Center **2010-present** 

-create the curriculum annually for athletic trainers, coaches, physicians, and physical therapists that attend for continuing education credit for professional societies or the Anne Arundel School system athletic department

-recruit qualified speaker volunteers from the local medical community to discuss pertinent youth sport injury topics, including concussion and orthopedic injuries

-encourage discussion between participants, information exchange, and dissemination on the problems with female ACL injuries and other youth injury prevention topics

-secured the sponsorship of Anne Arundel Medical Center to host and fund the conference

-lecture annually at the conference

-Founded and run the **Bone Alert Program**, a unique osteoporosis program addressing the need to initiate osteoporosis care in fragility fracture patients. **2007-present** 

-coordinated the identification of orthopedic patients at high risk of osteoporosis in a large orthopedic practice

-devised comprehensive program to address osteoporosis in high risk patients including diagnosis, treatment, physical therapy, and prevention of future injury

-assessed the program to present at a national meeting

-raised awareness of women's skeletal health issues in a large orthopedic group with updates to physicians and World Osteoporosis Day displays

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-Initiated the formation of the **Concussion Center** at Anne Arundel Medical Center, **2012** 

-secured support of Anne Arundel Medical Center for a concussion center to address the growing issue in local schools

-met with school officials, hospital administrators, athletic trainers, physical therapists, psychologists, and physicians to coordinate local needs and logistical issues in addressing concussion injury in our community

-recruited physician to staff the clinic

-Initiated the **Runner's Gait Analysis Program** in cooperation with the Physical Therapy Department at Anne Arundel Medical Center, **2013-present** 

-worked with interested physical therapists to develop a gait analysis program using the Coach's Eye program

-developed a research project to test inter and intra observer variation with the program

-promoted use of the service with patients and with other doctors in the practice

-encouraged continuing medical education and growth of the program

-Founded, organized, chaired the **annual OSMC Halloween 5K** to benefit Special Olympics **2000-2009** 

-secured support of OSMC to sponsor the event annually

-worked with local Special Olympic volunteers and staff to put on annual event

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-raised several thousand dollars to support the local Special Olympics chapter

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# Professional Training

Internship:	<b>General Surgery</b> SUNY Upstate Medical Center 750 East Adams Street, Syracuse, NY 13210 Chairman: John Halverson, MD 1992-93
Research Fellowship:	<b>USDA HNRC on Aging at Tufts University</b> Tufts University, 711 Washington Street Boston, MA 02111. Advisor: Miriam Nelson, Ph.D. 1993-94
	Randomized controlled trial of one year of progressive resistance training in postmenopausal women
Residency:	<b>Orthopedic Surgery</b> SUNY Upstate Medical Center 750 East Adams Street, Syracuse, NY 13210 Chairman: David Murray, MD 1994-98
	During training co-authored OREF Grant: "Bone Mineral Density in Pre-Pubertal Girls: Dose-Related Effects of Gymnastics Activity"funded
Fellowship:	<b>Sports Medicine</b> Johns Hopkins School of Medicine Department of Orthopedics Baltimore, MD 10753 Director: Edward McFarland, MD 1998-99

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Covered Baltimore Orioles baseball and Johns Hopkins University teams

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Post graduate course work related to running and team coverage:

"Running Medicine", University of Virginia, 2012-2014, 2016-18

"Healthy Running Course Annapolis", Anne Arundel Medical Center, 2016, (attended and initiated host site application)

"Advanced Team Physician Course", AOSSM, 2012, 2016 2021

"International Institute of Race Medicine Sports Medicine Conference Series", Washington, DC, 2017, Boston, MA 2019

### **Certifications**

Board Certified, ABOS, July 18, 2002

10 year Recertification ABOS 2012, 2022

#### Licensures

Maryland license: 1161673 Current

New York: 208864-1: Current

Massachusetts: 78359: Inactive

NPI 1245232420

#### **Organizations**

American Academy of Orthopedic Surgery (AAOS) Arthroscopy Association of North America (AANA) acting committee member American Orthopedic Society of Sports Medicine (AOSSM) National Osteoporosis Foundation (NOF)

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The Forum (organization of female sports medicine fellowship-trained orthopedic surgeons), board member

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#### **Presentations**

"Strength Improvements with One Year of Progressive Resistance Training in Older Women", Morganti, CM, Nelson, ME, Fiatarone, MA, Dallal, GE, Economos, CD, Crawford, BE, Evans, WJ, Abstract Presentation, **ACSM**, Indianapolis, IN, June 1994

*"Inter observer Variation in the Measurement of Patellofemoral Congruence Angle"*, Morganti, CM, DiChristina, D, Mann, Abstract Presentation, **AAOS**, Atlanta, GA, February 1996

*"Pleuroperitoneal Fistula: An Unusual Complication After Scoliosis Surgery",* Morganti, CM, Albanese, SA, Roach, SA, Abstract Presentation, **Annual Alumni Day**, Syracuse, NY, May 1997

*"A Survey Of Masters Runners",* Morganti, CM, Morganti, R, Gibbs, K, Poster Presentation, **ACSM**, Orlando, FI, June 1998

"Soft Tissue Metastases", Damron, TA, Morganti, CM, Greenky, B, Cherney, R, Abstract Presentation, Annual Alumni Day, Syracuse, NY, June 1998, **AAOS**, Anaheim, CA, February 1999

*"Return to Play and Cervical Spine Injury",* Morganti, CM, Sweeney,CA, Albanese, SA, Hosea, T, Burak, C, Connolly, P, Poster Presentation, **CSRS**, Atlanta, GA, December 1998

*"Reversing the Aging Process"*, **AAMC** and The Arthritis Foundation, Annapolis, MD, March 2000.

"Injury Prevention", Coach's Clinic, Millersville, MD (2002-2005)

"*Adhesive Capsulitis*", **The Forum** annual meeting, Paradise Island, Bahamas, 2007

"Case Presentation: Synovial Chondromatosis of the Shoulder associated with Enchondroma", **The Forum** annual meeting, Paradise Island, Bahamas, 2007

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*"Bone Alert: Initiation of Osteoporosis Care in Fracture Patients in a Community Orthopedic Practice"*, Morganti, CM, Thompson, SL, Nelson, M, poster **AAOS** 2010 annual meeting, New Orleans, LA, March 2010

*"Sports Injury Prevention in Youth Athletes",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2010.

*"ACL Injury Prevention"*, Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2010.

*"Strength Training and Bone Health",* Fit, Fab, and Fabulous, **Anne Arundel Medical Center**, Annapolis, MD 2010

*"Preventing Running Injuries",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2011.

*"Let's Talk About Osteoporosis, Controversy and Collaboration, New Thoughts on an Old Topic", speaker and course coordinator, Anne Arundel Medical Center, Annapolis, MD, May 2011* 

"Treatment of Adhesive Capsulitis", **Anne Arundel Medical Center**, Annapolis, MD 2011

*"Preventing Running Injuries",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2012.

*"Introduction"*, Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2012.

*"Initiating Osteoporosis Care After Fragility Fracture in a Community Setting: Preventing the Next Fracture",* **The Forum** annual meeting, Park City, Utah, 2011

*"Concepts in Injury Prevention"*, Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2013.

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"Osteoporosis Prevention and the Challenge to Age Successfully", Anne Arundel Medical Center, Annapolis, MD, 2013

*"Biology in Return to Play Decisions",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2014.

*"Preventing Running Injuries",* **Emerging Concepts, Anne Arundel Medical Center**, Annapolis MD, October 2014

*"Treating Osteoporosis"*, **Emerging Concepts, Anne Arundel Medical Center**, Annapolis MD, October 2014

*"What's New in Running Injuries"*, **The Forum,** Hilton Head, South Carolina, January 2015

*"The Physiology of Development in Youth Athletes",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, February 2015.

*"Proximal Biceps Injuries"*, **Emerging Concepts, Anne Arundel Medical Center**, Annapolis MD, October 2015

*"Inter and Intra observer variation in Running Gait Analysis"*, Poster Presentation, research day, **Anne Arundel Medical Center**, October 2015

"The Three R's, Risk, Recommendations, Referrals, Preventing the Next Fracture, Initiation of Osteoporosis Care after Fragility Fracture", **Anne Arundel Medical Center**, Annapolis, MD November 2015

*"What is the evidence in ACL prevention programs?",* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2016.

*"Exercise Induced Compartment Syndrome, a poorly understood cause of leg pain in runners"*, **Emerging Concepts, Anne Arundel Medical Center,** Annapolis, MD, 2016

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*"Panel Discussion, What I Worry About in my Youth Athlete Patients,"* Youth Sports Injury Prevention Symposium, **Anne Arundel Medical Center**, Annapolis, MD, 2017

*"Surgical Dissection of the Leg Compartments with Fasciotomy",* **Emerging Concepts, Anne Arundel Medical Center,** Annapolis, MD, 2017

"Update on Osteoporosis", The Forum, Ponte Vedra Jacksonville, Florida, 2018

*"Prescribing Physical Therapy for Osteoporosis Patients",* **ECHO Teleconference**, University of New Mexico, 2018

*"Pharmaceutical Treatment of Osteoporosis"*, **Maryland Academy of Advanced Practice Clinicians**, Annapolis, MD 2019

*"Highlight: Local Program"*, **AOA Own the Bone Symposium**, Baltimore, MD switched to Virtual, June 24, 2020

*"Transient Osteoporosis of the Hip and Bone Marrow Edema",* **Bone Health Echo** Teleconference", December 2020

*"Exercise Induced Compartment Syndrome", The Forum, Annual Meeting, Scottsdale AZ, January 2022* 

"Osteoporosis, Challenges and Logic", Medical Grand Rounds, AAMC, March 2022

*"Panel Lead: Bone Health in Athletes",* AO**SSM Annual Meeting**, Colorado Springs, CO, July 2022

*"Sports Tumor Case Presentation",* **Luminis Health Sports Team** virtual meeting, August 2022

"Disuse Osteoporosis", **West Coast Bone Echo Virtual Conference**, October 2022

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*"Panel Member: Closing the Care Gap, Preventing Primary and Secondary Osteoporosis",* **Baltimore Hip Summit GBMC Virtual Conference**, November 2022

### **Publications**

Miriam E. Nelson, Ph.D.; Maria A. Fiatarone, MD; Christina M. Morganti, MD; Isaiah Trice, Ph.D.; Robert A. Greenberg; William J. Evans, Ph.D.; *"Effects Of High Intensity Strength Training on Multiple Risk Factors for Osteoporotic Fractures, A Randomized Controlled Trial"*, **JAMA**, Dec. 28, 1994, 272, (24), 1909-14.

Morganti, CM, Nelson, ME, Fiatarone, MA, Dallal, GE, Economos, CD, Crawford, BE, Evans, WJ; "Strength Improvements With 1 Year Of Progressive Resistance Training In Older Women";; **MSSE**, 27(6):906-12, 1995 June

Morganti, CM, DiChristina, D, Mann, K, *"Inter observer Variation in Measurement of Patellofemoral Congruence Angle".* (abstract, annual AAOS meeting, 1996)

Damron TA, Morganti C, Yang Y, Hojnowski L, Cherny R. *"Metastasis of osteosarcoma to soft tissue. A case report".* **J. Bone & Joint Surgery Am**, 2000 Nov; 82-A(11): 1634-8

Morganti, CM, Sweeney CA, Albanese SA, Burak C, Hosea T. Connolly PJ, *"Return to Play after Cervical Spine Injury"*, **Spine** 2002 May 15; *Vol* 26 Number 10, 2001

Morganti, CM, McFarland, EG, Cosgarea AJ, "Saphenous Neuritis, a Poorly Understood Cause of Medial Knee Pain", Journal of the American Academy of Orthopedic Surgeons, March-April 2002.

Scerpella TA, Davenport M, Morganti CM, Kanaley JA, Johnson LM. "Dose related association of impact activity and bone mineral density in prepubertal

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*girls",* **Calcif Tissue Int.** October 21, 2002 (on line), **Calcif Tissue Int**, Jan 2003, 72(1): 24-3 (print)

Roubenoff, R, Hughes, V, Nelson, ME, Morganti, CM, Kehayias, J, Singh, MF, Roberts, S, "The Effect of Body Composition Method on the Apparent Decline in Lean Mass-Adjusted Resting Metabolic Rate with Age", J. Gerontol A Biol Sci Med Sci, 2002 Dec; 55 (12): M757-60

Tarkir, I, Morganti, CM, Zillner, D, et al, "*Rotator Cuff Tears in Adolescent Athletes*", **AJSM**, 33: 596-601, 2005.

Porter, MM, Nelson, ME, Fiatarone-Singh, MA, Layne, JE, Morganti, CM, "Effects of Long Term Resistance Training and Detraining on Strength and Physical Activity in Older Women", **J Aging and Physical Activity**, 2002, 10 (3): 260-270.

Morganti, CM, "*Recommendations for Return to Sports Following Cervical Spine Injuries*", **Sports Med**, 2003; 33(8): 563-73.

*"Bone Alert: Initiation of Osteoporosis Care in Fracture Patients in a Community Orthopedic Practice"*, Morganti, CM, Thompson, SL, Nelson, M, *poster* **AAOS** 2010 annual meeting, New Orleans, LA, March 2010

*"Inter and Intra observer variation in Running Gait Analysis"*, Morganti, C, Gelfand, K, et al, Poster Presentation, research day, **Anne Arundel Medical Center,** October 2015

"Postoperative Outcomes of Patients Undergoing Fasciotomy for Exercise Induced Compartment Syndrome", Turcotte, J, Gonzales, N, Morganti, C, J Orthop Adv, Fall,2021; 30(3): 170-72.

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#### **Education**

- High School: Henninger High School Syracuse, NY Class Valedictorian 1983
- College: Brown University Providence, RI Clara Elizabeth Comstock Scholarship BA Biology 1987
- Medical School: SUNY Upstate Medical Center Syracuse, NY Doctor of Medicine 1992
- Language: Syracuse University Florence, Italy 1986 study abroad program
  - La Scuola Lorenzo di Medici Florence, Italy Italian Language Program 1987

#### **Personal**

Born: Syracuse, NY February 14, 1965 Married, Four Children

#### Interests

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Running: Gold Medalist: Empire State Games 5000m, 1992 Silver Medalist: Empire State Games, 5000m, 1994 1st place: Corporate Challenge, Syracuse, 1992, 1994, 1995 Syracuse Chargers Outstanding Distance Runner: 1990, '92, '94, '95 Top Local Female Masters Runner 2005 Multiple age group awards in local running races, most recently Cherry Blossom 10 mile race April 2014, second place Annapolis 10 mile Female Masters winner multiple times 2014-now National age group champion 10 mile road racing, Cherry Blossom 2021 National age group bronze half marathon, Syracuse Half Marathon 2022 Boston gualifier, 2020/1, 2022, 2023 Interviewed on NPR for story on running and endorphins Other: Family, hiking, rock climbing, outdoors, travel, Italy, gardening, cooking

References on request

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Breaks in training:

1987-88: deferred admission to medical school after bicycle accident, after recovery, studied in Italy and returned to work until starting up in1988

Lapsed medical license:

1994: did not renew medical license in Massachusetts after finishing research fellowship at Tufts because moved on to residency in New York

Relinquished privileges:

Resigned from Southern Medical Hospital in Clinton, MD. Decided that it was too far to travel for surgeries, emergency room coverage, and follow up. Maintained privileges at Anne Arundel Medical Center throughout. Voluntary.

#### <u>CME:</u>

<b>2010</b> 03/9-3/2010	AAOS 2010 Annual Meeting, New Orleans, LA	30.00
05/07/2010	AAOS Self Assessment Exam	
12/31/2010	AAMC Conscious Sedation Course	2.00
12/31/2010	AAMC Use of Fluoroscopy	1.00
2011		
02/23/2011	AAMC National Youth Sports Injury Prevention	6.00
00/01/0011		
03/01/2011	AAMC: How to Diagnose and Treat the Painful Shoulder Course and Faculty Credits	4.00

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	Taking Care of America's Fastest Growing Sport	5.25	
03/2-22/11	ASBMR – Forum on Aging and Skeletal Health	12.75	
03/31/2011	AAMC Risk Management Series	2.00	
04/14-16/11	Arthroscopy Association of North America 2011 Annual Meeting, San Francisco, CA	15.5	
04/14/2011	Arthroscopy Association of North America Meniscus Tears	1.5	
04/15/2011	Arthroscopy Association of North America Instructional Course Lecture 205		1.5
04/16/2011	Arthroscopy Association of North America Emerging Arthroscopic Shoulder Techniques		1.5
06/16/2011	AAMC Lets Talk About Osteoporosis Course and Faculty Credits		4.00
07/01/2011	EMI ALEC Academy		1.00
11/17-11/19/2011	AAOS Board Maintenance of Certification Preparation and Review; Boston, MA	I	26.5
2012			
01/01/2012	AAMC: Internet Use of Fluoroscopy		1.00
01/01/2012	AAMC: Internet Conscious Sedation		2.00
02/29/2012	AAMC: Preventing Sports Injuries in Young Athletes		6.00
03/23/2012	University of Virginia School of Medicine: Running		

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2013	Medicine 2012 – The Gait Debate	7.5
03/08/2013	University of Virginia School of Medicine: Running Medicine 2013 – From the Lab to the Clinic	7.5
04/03/2013	AAMC: Preventing Sports Injuries in Young Athletes	6.00
08/09-10/13	2013 Santa Fe Bone Symposium: Santa Fe, NM	10.00
2014		
01/22-01/25/2014	Metcalf/AANA Arthroscopic Surgery Seminar	25.00
02/20/2014	AAMC: Preventing Sports Injuries in Young Athletes	6.00
03/07/2014	2014 UVA Running Medicine Conference University of Virginia School of Medicine	8.25
03/08/2014	2014 UVA Running Medicine Conference LAB University of Virginia School of Medicine	5.25
04/23-26/14	National Osteoporosis Foundation: Interdisciplinary Symposium on Osteoporosis 2014: New Orleans, LA	29.25
	ABOS Self Assessment and EXAM	
10/18/2014	AAMC: Emerging Concepts in Orthopedic Surgery	19.00
2015		
05/19-22/15	National Osteoporosis Foundation: Interdisciplinary Symposium on Osteoporosis: Patient Centered Care: Developing Successful Bone Health Teams	17.25

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02/11/2015	AAMC: Preventing Sports Injuries in Young Athletes	7.00
08/10/2015	AAOS: Webinar: Risk Evaluation and Management Strategies for Prescribing Opioids	1.25
10/17/2015	AAMC: Emerging Concepts in Orthopedic Surgery 2015	17.00
11/03/2015	Project ECHO Bone Health TeleECHO Clinic	1.50
12/01/2015	Project ECHO Bone Health TeleECHO Clinic	1.00
2016		
01/05/2016	Project ECHO Bone Health TeleECHO Clinic	0.50
01/26/2016	Project ECHO Bone Health TeleECHO Clinic	1.00
02/03/2016	AAMC: Youth Injury Prevention in Sports 2016	4.00
02/09/2016	Project ECHO Bone Health TeleECHO Clinic	1.00
03/01/2016	Project ECHO Bone Health TeleECHO Clinic	1.00
03/11-12/16	2016 UVA Running Medicine Conference	6.75
03/15/2016	Project ECHO Bone Health TeleECHO Clinic	1.00
04/14/2016	AANA: Arthroscopy Association of North America Annual Meeting;	17.25
05/10/2016	Project ECHO Bone Health TeleECHO Clinic	1.00
04/16-17/16,	2016WVU: Healthy Running Annapolis, MD	
06/17/2016	SUNY; Upstate Medical University: 36th Annual Alumni	5.00

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# Day – Orthopedic Surgery

07/05/2016	AAMC: Orthopedic Service M&M Conference		1.00
07/19/2016	Project ECHO Bone Health TeleECHO Clinic		1.00
07/26/2016	Project ECHO Bone Health TeleECHO Clinic		1.00
10/15/2016	AAMC: Emerging Concepts in Orthopedic Surgery 2016		8.00
10/18/2016	Project ECHO Bone Health TeleECHO Clinic		1.00
10/25/2016	Project ECHO Bone Health TeleECHO Clinic		1.00
11/08/2016	Project ECHO Bone Health TeleECHO Clinic		1.00
2017			
01/10/2017	Project ECHO Bone Health TeleECHO Clinic		1.00
02/22/2017	AAMC: Youth Injury Prevention in Sports 2017	4.00	
03/07/2017	Project ECHO Bone Health TeleECHO Clinic	1.00	
03/10-03/11	2017 UVA Running Medicine Conference	11.25	
03/14/2017	Project ECHO Bone Health TeleECHO Clinic	1.00	
03/28/2017	Project ECHO Bone Health TeleECHO Clinic	1.00	
06/13/2017	Project ECHO Bone Health TeleECHO Clinic	1.00	

07/18/2017	ISCD:The International Society for Clinical	
	Densitometry – Overview of Osteoporosis	0.50

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07/18/2017	ISCD: Fundamentals of Bone Densitometry, Physics Radiation, Safety and Quality Assurance	.75
07/20-23/17	AOSSM, Toronto	
10/03/2017	Project ECHO: Bone Health TeleECHO Clinic	1.00
10/20-21/17	IIRM Sports Medicine Conference Series	7.0
10/24/2017	Project ECHO: Bone Health TeleECHO Clinic	1.00
11/07/2017	Project ECHO: Bone Health TeleECHO Clinic	1.00
2018		

01/30/2018 Proje	ct ECHO: Bone Health TeleECHO Clinic	1.00
03/09-10/18 UVA I	Running Medicine Conference 2018	10.50
04/24/2018 Proje	ct ECHO: Bone Health TeleECHO Clinic	1.00
08/03-04/18: 11.00	Santa Fe Bone Symposium	

#### 2019

01/19-21/2019 The Forum, San Diego, CA

04/13/2019 IIRM, Boston, MA

07/11-14 AOSSM, Boston MA

2020

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1/16-18/2020 The Forum, Jacksonville, FL

June 2020: AOA Own the Bone (switched to on line symposium because of COVID 19): invited speaker: "Highlight Local Program"