

Sports Medicine Summit: Care for the Athlete Online Course

Activity Description

Mayo Clinic's Sports Medicine Summit: Care for the Athlete is an online CME course featuring evidence-based and cutting-edge diagnostic and treatment strategies for sports-related and musculoskeletal conditions with a concentrated focus on hip, knee, and foot/ankle conditions in the athlete. The course also involves features of education in primary care update which include lectures on COVID, sports Cardiology, platelet rich plasma (PRP) and concussion care. The case lectures are represented by healthcare professionals in orthopedics, physical medicine and rehabilitation, radiology, neurology, cardiology, infectious disease, athletic training, and physical therapy.

Target Audience

This course is designed for athletic trainers, physical therapists and primary care physicians. Orthopedic surgeons, physiatrists, and other healthcare professionals interested in sports medicine may benefit from this program.

Learning Objectives

Upon conclusion of this activity, participants should be able to:

- Identify current uses of ortho-biologics in hip, knee, and foot/ankle pathologies. (BOC Domain 2; Task 203)
- Measure the basics of ultrasound for diagnosis in hip, knee, and foot/ankle. (BOC Domain 2; Task 202)
- Interpret the most up to date COVID recommendations regarding cardiac clearance and athletic participation. (BOC Domain 4; Task 407)
- Illustrate the best treatment approach for 5th metatarsal (MT) stress reactions/stress fractures/fractures. (BOC Domain 4; Task 403)
- Distinguish the latest literature regarding anterior cruciate ligament (ACL) graft selection. (BOC Domain 2; Task 202)
- Recognize the latest anterior cruciate ligament (ACL) rehab protocols. (BOC Domain 4; Task 404)
- Identify treatment options for hip femoroacetabular impingement (FAI). (BOC Domain 4; Task 403)

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Accreditation Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s)

AMA

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 11.75 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA

The American Osteopathic Association designates this program for a maximum of 11.75 AOA Category 2-A credits.

BOC Accreditation

Mayo Clinic School of Continuous Professional Development is approved by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

BOC Credit Statement (Category A)



Mayo Clinic School of Continuous Professional Development (BOC AP#: P476) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 11.75 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program.

Physical Therapy:

Co-sponsored by the Program in Physical Therapy, Mayo Clinic College of Medicine and Science / Mayo Clinic School of Health Sciences. This enduring material meets the criteria for 11.75 hours of credit per Minnesota Physical Therapy Rules 5601.2400, 5601.2500.

Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

Listed below are individuals with control of the content of this program who have disclosed...

Relevant financial relationship(s) with ineligible companies:

Name	Nature of Relationship	Company
Anikar Chhabra, M.D.	Consultant Outside Mayo For-Profit and Not-For-Profit BOD	Indiana University Department of Athletics, PRoZE Performance Nutrition, and Zimmer Arizona Sports and Tourism Authority
Collin M. Costello, M.D.	Grant or Research Support	DeepX Health and Melanoma Research Alliance
Arthur J. De Luigi, D.O., M.H.A.	Intellectual Property	TENZR Health Wearable Technology
Michael Hovan, M.D.	Consultant and Board of Directors	Caremark Therapeutics safety committee per CMS/Medicare/medicaid mandate \$300
Bruce D. Johnson, Ph.D.	Consultant	ARI Acquisition Corporation, Inc, Airehealth, Analog Devices Inc., Geneticure, Innovosens, MGC Diagnostics Corporation, OmnioX, Inc, Stimdia
Bruce D. Johnson, Ph.D.	Intellectual Property	Know How Related to Cardiac Profiles, Know-how with Emergent, Know-how in Development of an Airway Inflammation and Functional Pharmacogenomics Testing Panel, Dynamic Smart Fabric for Cardio-Performance Enhancement and Human Spaceflight Augmentation, Know-How for Ora Systems, Respiratory Training Prevention Tool for Advanced Aging, Know-

		How to BreathResearch for Improved Cardiorespiratory Assessments, WEB Based Fitness Assessment Tool, Cognitive Performance Assessment Game
Robert Orenstein, D.O.	Consultant Other For-Profit Entities	Consultant: Arizona Coyotes Ferring
Matthew A. Rank, M.D.	Intellectual Property	EPX MM25-420 ELISA

All relevant financial relationships listed for these individuals have been mitigated.

No relevant financial relationship(s) with ineligible companies:

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Aaron C. Thomas, M.D.

References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:

Name	Manufacture/Provider	Product/Device
Jeremiah R. Long, M.D.	Various	Gadolinium containing contrast
David Melville, M.D.	Various	Gadolinium-based contrast material for MRA
Robert Orenstein, D.O.	Lilly Merck Pfizer	Bebtelovimab Molnupirivir Paxlovid
Matthew A. Rank, M.D.	AstraZeneca + Generic manufacturers Merck	Budesonide-Formoterol Mometasone-Formoterol

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) please visit: <https://ce.mayo.edu/content/disclosures>.

Disclaimer

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course. You should be aware that substantive developments in the medical field covered by this recording may have occurred since the date of original release.

Prerequisites for Participation

There are no prerequisites needed prior to participating in this education activity.

Method of Participation

Participation in this activity consists of reviewing the educational material, completing the learner assessment and evaluation.

How to Obtain Credit

To obtain credit, complete the assessment, evaluation and submit.

Release and Expiration Dates

Release Date:	April 28, 2023
Renewal Date:	(If applicable)
Expiration Date:	April 27, 2026

Acknowledgement of Commercial Support

No commercial support was received in the production of this activity.

Faculty and Course Director Listing and Credentials

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Bibliographic Resources

Nie L, Zhao K, Ruan J, Xue J. Effectiveness of Platelet-Rich Plasma in the Treatment of Knee Osteoarthritis: A Meta-analysis of Randomized Controlled Clinical Trials. *Orthopaedic Journal of Sports Medicine*. March 2021. doi:10.1177/2325967120973284

Chowdhury, Devyani; Fremed, Michael A; Dean, Peter; Glickstein, Julie S; Robinson, Jeff; Rellosa, Neil; Thacker, Deepika; Soma, David; Briskin, Susannah M; Asplund, Chad; Johnson, Jonathan; Snyder, Christopher. Return to Activity After SARS-CoV-2 Infection: Cardiac Clearance for Children and Adolescents. *Sports Health*: 19417381211039746, 2021 Aug 24.

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