2017 Sports Concussion Conference

July 14–16 • Jacksonville, FL
Hyatt Regency Jacksonville—Riverfront

AAN.com/view/ConcussionConference

Early Registration and Hotel Deadline: June 15, 2017
THE VERY LATEST IN SPORTS CONCUSSION SAFETY, PREVENTION, AND TREATMENT

Each year, 1.6 to 3.8 million concussions result from sports/recreation injuries in the United States, with the issue attracting significant media attention in recent years. New science is emerging quickly and breakthrough therapies are helping athletes recover from injuries previously thought untreatable.

The 2017 AAN Sports Concussion Conference is poised to be the go-to-meeting for all disciplines involved in the prevention, diagnosis, and treatment of sports concussion, including neurologists, athletic trainers, family physicians, pediatricians, physical therapists, physician assistants, and nurses.

A lineup of exemplary faculty will engage you in discussions about the very latest breakthrough science through a variety of formats, including hands-on workshops and debates, to help you:

- Better understand the current state of concussion pathophysiology, diagnosis, and management
- Learn about the latest technologies for diagnosis and management
- Discover emerging issues in post-concussion syndrome diagnosis and management
- Discuss issues of long-term sequelae from athletic brain trauma

Physicians may earn up to 20 CME, and Athletic Trainers may earn up to 20 CE, along with valuable skills that may be applied to youth, high school, collegiate, or professional arenas.

BOC APPROVED CE PROVIDER

American Academy of Neurology Institute is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

ACCREDITATION

The American Academy of Neurology Institute (AANI), (the educational subsidiary of the AAN) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
## SCHEDULE OVERVIEW

<table>
<thead>
<tr>
<th>START TIME</th>
<th>END TIME</th>
<th>PROGRAM</th>
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<tbody>
<tr>
<td><strong>FRIDAY, JULY 14</strong></td>
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| 8:00 a.m.  | 11:00 a.m.| Concussion Boot Camp  
additional registration fee required |
| 11:00 a.m. | 12:00 p.m.| Keynote                                      |
| 12:00 p.m. | 1:30 p.m. | Working Lunch with Breakouts                 |
| 1:30 p.m.  | 3:30 p.m. | Concussion Session                           |
| 3:45 p.m.  | 5:30 p.m. | Concussion Research                          |
| 5:30 p.m.  | 7:00 p.m. | Reception and Poster Session I in Exhibit Hall|
| **SATURDAY, JULY 15**                     |
| 8:00 a.m.  | 9:15 a.m. | Post-Concussion Syndrome                     |
| 9:15 a.m.  | 10:00 a.m.| Poster Session II in Exhibit Hall            |
| 10:00 a.m. | 11:00 a.m.| Post-Concussion Syndrome (Continued)          |
| 11:00 a.m. | 12:30 p.m.| Lunch and Poster Session II in Exhibit Hall  |
| 12:30 p.m. | 2:00 p.m. | Post-Concussion Research                     |
| 2:00 p.m.  | 2:45 p.m. | Poster Discussion Session                   |
| 3:00 p.m.  | 4:00 p.m. | Media Rounds                                 |
| 4:00 p.m.  | 5:00 p.m. | Point / Counterpoint Discussion              |
| **SUNDAY, JULY 16**                       |
| 7:30 a.m.  | 8:30 a.m. | Bioethics and Medical-legal Aspects of Concussion|
| 8:30 a.m.  | 10:00 a.m.| Chronic Sequelae                             |
| 10:00 a.m. | 11:30 a.m.| Summary of Recent Research                   |
CONCUSSION BOOT CAMP 8:00 A.M.–11:00 A.M.

The Concussion Boot Camp provides all clinical care providers with practical, ready-to-use skills for baseline/preparticipation evaluations, sideline concussion assessments and clinical neurological examinations, including focus on neuro-ophthalmologic and vestibular assessments and interventions. These sessions will demonstrate up-to-date clinical assessments and tools for the busy practitioner, as well as the proper context and setting in which to use these skills efficiently. Cognitive restructuring and providing proper education and counseling will also be covered. Great for first-time meeting attendees as well as those more experienced who are looking to update and refine their clinical concussion skills.

Additional registration fee required.

Attendance will rotate through five breakout sessions every 30 minutes.

<table>
<thead>
<tr>
<th>Breakout Session</th>
<th>Presenter</th>
<th>Location</th>
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<tbody>
<tr>
<td>Preparticipation/Baseline Evaluation and Tools</td>
<td>Meeryo Choe, MD</td>
<td>Los Angeles, CA</td>
</tr>
<tr>
<td>Sideline/Acute Evaluation</td>
<td>Anthony G. Alessi, MDFAAN</td>
<td>Norwich, CT</td>
</tr>
<tr>
<td>Vestibular and Balance Examination</td>
<td>Jamie Bogle, PhD</td>
<td>Scottsdale, AZ</td>
</tr>
<tr>
<td>Visual/Neuro-ophthalmology Examination</td>
<td>Steven Galetta, MDFAAN</td>
<td>New York, NY</td>
</tr>
<tr>
<td>Office Follow-up and Management Examination</td>
<td>Bert B. Vargas, MDFAAN</td>
<td>Dallas, TX</td>
</tr>
</tbody>
</table>
KEYNOTE 11:00 A.M.–12:00 P.M.
Animal Modeling of Repetitive Concussion and CTE
This presentation will provide background information as well as limitations about what we know regarding CTE. Discussions will include how we are influenced by the media and how this influence, in part, shapes the way we interpret the medical literature. It will also focus on animal modeling, the formation of an abnormal form of tau after trauma, the associations with tau and behavior outcomes, and testing of an antibody that blocks the abnormal form of tau and its progression.

William P. Meehan III, MD, is Director of the Micheli Center for Sports Injury Prevention, Director of Research for the Brain Injury Center at Boston Children’s Hospital, and Co-Director of The Football Players Health Study at Harvard. He graduated from Harvard Medical School where he is currently an Associate Professor of Pediatrics and Orthopaedics. He conducts both clinical and scientific research in the area of sports injuries and concussive brain injury. His research has been funded by the National Institutes of Health, the Center for the Integration of Medicine and Innovative Technology, the National Football League Players Association, the National Football League, and the National Hockey League Alumni Association. He is the 2012 winner of the American Medical Society for Sports Medicine’s award for Best Overall Research. He has multiple medical and scientific publications, is co-editor of the book, Head and Neck Injuries in Young Athletes, and is author of the book Kids, Sports, and Concussion: A Guide for Coaches and Parents and Concussions.

WORKING LUNCH WITH BREAKOUT SESSIONS 12:00 P.M.–1:30 P.M.
The optimal approach and clinical considerations for concussion care and brain health differ based on age, level of sport, and available resources. Attendees will select one of the five breakout sessions ranging through youth, high school, college, professional sports, and practice to hear experts at all levels review these important distinctions. Each session will review topics selected by the moderator(s) but will also encourage audience participation to create a more interactive environment.

Professional Sports
Javier Cardenas, MD—Phoenix, AZ
Tad Dean Seifert, MD—Louisville, KY

Collegiate Sports
Steven Broglio, PhD—Ann Arbor, MI
Tracey Covassin, PhD, ATC—East Lansing, MI

High School Sports
Meeryo Choe, MD—Los Angeles, CA
Munro Cullum, PhD—Dallas, TX

Youth Sports
Sara Chrisman, MD, MPH—Seattle, WA
Christina Master, MD, FAAP, CAQSM—Philadelphia, PA

Practice Issues
Amaal J. Starling, MD—Phoenix, AZ
Jennifer Voreis Wethe, PhD—Scottsdale, AZ
CONCUSSION SESSION  1:30 P.M.–3:30 P.M.

Basic and advanced presentations covering all aspects of acute concussion will be the highlight of this session. Cutting-edge basic science and translational research will be covered, including post-concussive biological vulnerability and the underlying potential for later neurodegenerative processes. Clinical care at the sideline and through recovery and return to participation will be updated. As distinctions between female and male athletes’ risk for concussion and trajectories of recovery become more apparent, this important topic will also be covered.

Pathophysiology
Christopher Giza, MD—Los Angeles, CA

Sideline Care
Javier Cardenas, MD—Phoenix, AZ

Sex and Gender
Tracey Covassin, PhD, ATC—East Lansing, MI

Concussion Management and Return to Participation
Jeffrey S. Kutcher, MD, FAAN—Brighton, MI

CONCUSSION RESEARCH SESSION  3:45 P.M.–5:30 P.M.

Future evidence-based advances in concussion care at all levels are being driven by larger studies that can provide powerful datasets on which to base understanding of concussion natural course and recovery. In this session, issues from pediatric sports, through high school, to the multisite NCAA-Department of Defense CARE consortium will be reviewed along with high level interpretation of findings.

ConTex: The Texas Concussion Network
Munro Cullum, PhD—Dallas, TX

Clinical Updates from the CARE Consortium
Steven Broglio, PhD, ATC—Ann Arbor, MI

Pediatric Issues in Youth Sports
Sara Chrisman, MD, MPH—Seattle, WA

RECEPTION AND POSTER SESSION I IN EXHIBIT HALL

Join your colleagues for networking and light appetizers at the Opening Night Reception in the Exhibit Hall.

5:30 p.m.–7:00 p.m.
SEEKING ABSTRACTS

The Sports Concussion Conference will once again be accepting scientific abstract submissions on topics related to sports concussion.

Accepted abstracts will be presented in the general poster sessions or poster discussion session. Submission of previously presented work is encouraged if it is of interest to the field. The submission deadline is May 8.

Visit AAN.com/view/ConcussionConference for more information.

SPECIAL INTEREST GROUP (SIG) MEETINGS

If you are interested in coordinating a one-hour SIG meeting, please contact Amy Nostdahl at anostdahl@aan.com.

CONCUSSION QUICK CHECK MOBILE APP

Access resources on sports concussion for physicians, coaches, and parents, including the award-winning Concussion Quick Check mobile app.

Visit AAN.com/view/concussion for more information.
POST-CONCUSSION SYNDROME 8:00 A.M.–9:15 A.M.
The clinical management of post-concussion syndrome is complex and nuanced, requiring an understanding of multiple spheres of brain function and symptom effects. Experts in the post-concussion care of athletes will present diagnostic approaches and treatment paradigms designed to realize maximal clinical outcomes.

Sleep Disturbances
Raman K. Malhotra, MD, FAAN—St. Louis, MO

Post-traumatic Headache
Tad Dean Seifert, MD—Louisville, KY

POSTER SESSION II IN THE EXHIBIT HALL 9:15 A.M.–10:00 A.M.

POST-CONCUSSION SYNDROME, CONTINUED 10:00 A.M.–11:00 A.M.

Dizziness and Cervicogenic Issues
Terry D. Fife, MD, FAAN—Phoenix, AZ

Education and Outreach
Johna Register-Mihalik, PhD, LAT, ATC—Chapel Hill, NC

LUNCH AND POSTER SESSION II IN THE EXHIBIT HALL 11:00 A.M.–12:30 P.M.

POST-CONCUSSION RESEARCH 12:30 P.M.–2:00 P.M.
The fast-moving and expanding literature of post-concussion syndrome research will be discussed from multiple perspectives.

Exercise and Basic Science
Grace Griesbach, PhD—Los Angeles, CA

Chronic Neurocognitive Impairment and Combat Sports
Charles Bernick, MD—Cleveland, OH

Predictors of Prolonged Symptoms After Concussion
Karen Barlow, MD—Calgary, AB, Canada

POSTER DISCUSSION SESSION 2:00 P.M.–2:45 P.M.
Abstracts will be presented orally in the poster discussion, which will highlight the conference’s best science.
MEDIA ROUNDS 3:00 P.M.—4:00 P.M.
How medical and scientific information is collected and presented by the media is of critical importance in the arena of athlete brain health. The spotlight shines bright on the concerns and fears of patients and their families, who are in need of critical information that is comprehensive and, yet, concise. Recent high-impact media stories will be presented and reviewed by both media and medical experts with discussion focusing on the mechanisms of reporting, perceived and actual bias, and the art of journalism.

Featuring:

Samantha Peszek
Olympic Medalist and NCAA Champion
PAC-12 Network Analyst

Additional panelists will be announced in the coming weeks.

POINT / COUNTERPOINT DISCUSSION 4:00 P.M.—5:00 P.M.
The parents of today’s youth athletes face many important decisions and conflicting messages. One of the most confusing areas is the safety of contact sports and the timing of when to begin contact play in your child’s life. Experts in the field will debate the pros and cons of contact sports and provide a stimulating discussion on this complex topic.

Youth Contact Sports
Robert Cantu, MA, MD, FACS, FACSM—Concord, MA
Vernon B. Williams, MD—Los Angeles, CA
**SCHEDULE**

**SUNDAY, JULY 16, 2017**

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### BIOETHICS AND MEDICAL-LEGAL ASPECTS OF CONCUSSION  
**7:30 A.M.–8:30 A.M.**

This session will focus on the ethical considerations involved in making decisions about an athlete’s participation in sport given the potential serious consequences of concussion and the positive health, psychological, and social benefits of playing sports. In addition, discussion will focus on the personal liability considerations health care providers face and must balance when making decisions regarding concussion care, both on the sideline as well as in the office.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Liability in Regards to the Clinician</td>
<td>Arthur Caplan, PhD, <em>New York, NY</em></td>
</tr>
</tbody>
</table>

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### CHRONIC SEQUELAE  
**8:30 A.M.–10:00 A.M.**

The emergence, persistence, and progression of chronic neurological sequelae after repeated concussive brain injuries is of particular concern. The spectrum of cognitive, affective, and behavioral dysfunction and the approach to management will be reviewed by experts in the field.

<table>
<thead>
<tr>
<th>Topic</th>
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<tbody>
<tr>
<td>Behavioral Comorbidities</td>
<td>Jennifer Voreis Wethe, PhD—<em>Scottsdale, AZ</em></td>
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<tr>
<td>Diagnostic Approach to Traumatic Encephalopathy Syndrome</td>
<td>Nicole Dorothy Reams, MD—<em>Glenview, IL</em></td>
</tr>
<tr>
<td>Programmatic Approach to the Tri-Diagnosis Patient</td>
<td>Jeffrey S. Kutcher, MD—<em>Brighton, MI</em></td>
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### SUMMARY OF RECENT RESEARCH  
**10:00 A.M.–11:30 A.M.**

An overview of some of the most relevant basic and clinical science in the field of concussion over the past year will be discussed. In addition, an update on the new youth guidelines for traumatic brain injury will be presented.

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<tr>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>Basic Science</td>
<td>Christopher Giza, MD—<em>Los Angeles, CA</em></td>
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<tr>
<td>Clinical Science</td>
<td>Christina Master, MD, FAAP, CAQSM—<em>Philadelphia, PA</em></td>
</tr>
<tr>
<td>CDC Youth Mild TBI Guidelines</td>
<td>Faculty</td>
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</table>
PROGRAM DESCRIPTION
This three-day conference will focus on the science behind concussion. In addition, there will be lunchtime breakout sessions targeted to the following audiences: professional sports, collegiate sports, high school sports, youth sports, and practice.

LEARNING OBJECTIVES
Participants should be able to accurately and appropriately diagnose concussion; institute appropriate and clinically useful diagnostic tests when indicated; provide state-of-the-art management of concussed athletes and individuals; make safe and appropriate return to play, school, work, and life decisions; and educate athletes, non-health care professionals, and other health care practitioners on key issues related to concussion.

RECOMMENDED AUDIENCE
Neurologists, Athletic Trainers, Primary Care Physicians, Neuropsychologists, and Sports Medicine Professionals.

ACCREDITATION
The American Academy of Neurology Institute (AANI), (the educational subsidiary of the AAN) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION
The AANI designates this live activity for a maximum of 20 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

BOC APPROVED CE PROVIDER
The AANI is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

CERTIFICATES FOR NON-PHYSICIANS
Non-physicians participating in this program will receive an acknowledgement of participation indicating attendance at an activity designated for AMA PRA Category 1 Credit™.

EDUCATION DISCLAIMER
The primary purpose of the Sports Concussion Conference is to provide educational programs. Information presented, as well as publications, technologies, products and/or services discussed, are intended to inform attendees about the knowledge, techniques, and experiences of physicians who are willing to share such information with colleagues. A diversity of opinions exists in the medical field, and the view of the program’s faculty is offered solely for educational purposes. Faculty members’ views represent neither those of the AAN/AANI nor constitute endorsement by the AAN/AANI. The AAN/AANI disclaims any and all liability for all claims which may result from the use of information, publications, products, and/or services discussed at the Sports Concussion Conference.

FACULTY’S DISCLOSURE OF COMMERCIAL RELATIONSHIPS
Consistent with the AAN/AANI and ACCME policies, faculty must disclose any significant financial or other relationship with the manufacturer(s) discussed in their presentation. This policy is intended to make participants aware of all speakers’ financial or other relationship(s), so that attendees may form their own judgments about material discussed during the educational activity. Full disclosure of faculty’s commercial relationships will appear in the individual program materials. All faculty must sign an AANI letter of agreement stating explicitly that they understand and will adhere to ACCME and AANI Disclosure Statement guidelines that require full disclosure of commercial relationships, unlabeled use of products, and identification of data sources.

UNLABELED USE DISCLOSURE
The AANI requires all faculty members to disclose if a product is not labeled for the use being discussed or that the product is still investigational. Such disclosures will appear in the individual program materials.
HOTEL INFORMATION

HYATT REGENCY JACKSONVILLE—RIVERFRONT
225 E. Coastline Drive, Jacksonville, FL  32202

SPECIAL ROOM RATES
The AAN has negotiated a sleeping room rate of $139 single/double, plus tax (includes Wifi in guest rooms) at the Hyatt Regency Jacksonville—Riverfront. Participants must identify themselves as being with the 2017 Sports Concussion Conference to receive the special rate. All reservations must be guaranteed with a deposit equal to one night’s room rate plus tax. All credit cards used for deposits will be charged when the reservation is made. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m.

RESERVATIONS         DEADLINE
(888) 421-1442        June 15, 2017
AAN.com/view/SCCBookHotel

CANCELLATION POLICY
Hotel allows individual attendees to cancel their room reservation without penalty up to 24 hours in advance (by 3:00 p.m. ET) prior to the attendee’s scheduled arrival date. Any reservation cancelled within 24 hours of scheduled arrival, or failure of the individual to check-in on the scheduled arrival date, will be assessed a fee equal to one night room rate and tax.

The AAN does not validate parking.
EXPLORE JACKSONVILLE

Jacksonville is positioned to be an ideal destination for the 2017 Sports Concussion Conference, with its rich sports heritage, convenient travel options, and stunning natural beauty surrounded by a modern, vibrant city.

Jacksonville Quick Facts:

• It’s always sunny: Averages 270 days of sunshine per year
• It’s game time anytime: Home to eight pro sports teams
• Getting there is easy: Non-stop flights from 30 US cities
• It’s young and hip: Florida’s youngest city, with an average age of 35
• There’s a lot to see and do: At 840 sq. miles including 1,100 miles of shoreline, it’s the largest city in the continental US by landmass
REGISTRATION IS QUICK AND EASY

CHOOSE BETWEEN:

ONLINE ¹
AAN.com/view/ConcussionConference

PHONE ²
(800) 676-4226—US/Canada
(415) 979-2283—International

QUESTIONS?
Visit aansc.cmrushelp.com

Contact CMR to pay by check. Registration forms only accepted for check payment.

REGISTRATION DEADLINE
The deadline for early registration rates is Thursday, June 15, 2017. The deadline for late registration rates is Tuesday, July 11, 2017. Registrations received after this date will be charged the on-site rate.

CANCELLATION
Programs are subject to cancellation if enrollment is insufficient. The AAN is not responsible for airfare, hotel, or other costs incurred by participants in the event of cancellation.

REFUND POLICY
The AAN will assess a $50 administrative fee for cancellations received on or before Thursday, June 15, 2017. Refunds will not be issued for cancellations received after that date.

SPECIAL ACCOMMODATION
If you require special accommodations, contact Laurie Dixon at ldixon@aan.com or (612) 928-6154.
# SIGN UP BEFORE THE JUNE 15

EARLY REGISTRATION DEADLINE AND SAVE $200!

<table>
<thead>
<tr>
<th>Category</th>
<th>Early (Up to June 15)</th>
<th>Late (June 16–July 11)</th>
<th>On-Site (July 12–16)</th>
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<tr>
<td>Students</td>
<td>$199/person</td>
<td>$249/person</td>
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<tr>
<td>AAN Junior and Non-neurologist Members*</td>
<td>$349/person</td>
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<tr>
<td>Athletic Trainers</td>
<td>$449/person</td>
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<td>$649/person</td>
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<tr>
<td>AAN Members**</td>
<td>$549/person</td>
<td>$649/person</td>
<td>$749/person</td>
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<tr>
<td>Nonmembers</td>
<td>$779/person</td>
<td>$929/person</td>
<td>$1,049/person</td>
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## ADD-ON PROGRAM
Must register for general conference to attend Boot Camp

<table>
<thead>
<tr>
<th>Boot Camp</th>
<th>Early (Up to June 15)</th>
<th>Late (June 16–July 11)</th>
<th>On-Site (July 12–16)</th>
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<td>$50/person</td>
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*Student, Intern, Junior, Business Administrator, Researcher, Advanced Practice Provider

**Honorary, Senior, Neurologist, Physician Affiliate
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