



AMERICAN COLLEGE
of SPORTS MEDICINE
Southeast Chapter



Call for Abstracts for the 2022 SEACSM Annual Meeting

To: All potential presenters for the 2022 SEACSM Annual Meeting
From: Danielle Wadsworth, Ph.D., SEACSM President-Elect
Date: September 1, 2021
Subject: Call for abstracts for the 2022 SEACSM Annual Meeting

I am pleased to share the abstract submission information for the **2022 SEACSM Annual Meeting** which will be held on **February 17–19, 2022** in **Greenville, SC**. This is also our 50th Annual Meeting, so I hope you will join us to celebrate the long history of our regional chapter. Look for special events and opportunities as the meeting approaches and when we gather in Greenville.

I encourage you to submit an abstract to present your completed or ongoing research or share your teaching, research, or clinical expertise. This document includes descriptions of the presentation types, sample abstracts, submission instructions, and information about awards for student research and SEACSM service.

Please note that we have added the option for ACSM Fellow sponsorship in the submission process. Abstracts can be sponsored by an ACSM Fellow who attests to the scientific, medical, or educational merit of the work. This may be a coauthor or an ACSM Fellow who has reviewed and approved your abstract. A Fellow may sponsor as many abstracts as desired. Abstracts received without Fellow endorsement will undergo formal review. The final acceptance decision is the exclusive right of the Program Committee. This may include a formal review even though an ACSM Fellow is an author and/or sponsor. Fellow endorsement does not automatically imply acceptance.

All abstracts must be submitted through the online portal, **which will open on September 1, 2021**, accessed from the SEACSM Annual Meeting website. **The deadline for submission of all abstracts is 11:59 pm ET on Friday, October 1, 2021.**

Stay informed about the 2022 SEACSM Annual Meeting

We will be posting announcements, updates, and other information about the Annual Meeting on our web page and on our social media platforms.

<https://www.acsm.org/acsm-membership/regional-chapters/acsm-chapters/southeast/annual-meeting>



@SEACSM Chapter



@SEACSM



@southeastern_acsm

SEACSM Abstract Submission Guidelines

Abstracts are only being accepted electronically and **must be submitted no later than 11:59 pm (Eastern Time) on Friday, October 1, 2021**. Abstracts submitted after this date will not be accepted.

Please read and follow the directions below for the submission of abstracts. Abstract submissions that do not follow the submission guidelines or do not meet scientific or editorial standards will not be accepted.

Guidelines for All Abstract Submissions

1. Each person is limited to one first author abstract for this meeting; there is no limit on co-authoring other abstracts.
2. The primary focus of the abstract must be novel. The work must not have been accepted or presented at another meeting, nor published as a full paper at the time of submission.
3. The same abstract can be submitted first to SEACSM and later to the national ACSM, but not in the reverse order.
4. All studies must comply with the ACSM Program Committee's statement regarding the use of human subjects and informed consent or animal studies guidelines.
5. To ensure consistency and clarity: The abstract must be written in English and grammatically correct; All acronyms should be defined prior to use; Units of measurement should be reported following Systeme International de'Unite (SI) standards.
6. The recommended font is 12 point Times or Times New Roman. Use of other fonts may result in the loss or changing of characters.
7. No figures, tables, or symbols should be included in the abstract.
8. All abstracts have a limit of 2450 characters, including spaces, but not including the title and authors.
9. The first author (or all authors of a symposium or tutorial) will participate in the SEACSM conference. If extenuating circumstances prevent the author from participating, the President-Elect should be contacted as soon as possible to arrange an acceptable alternative. Failure to deliver an accepted presentation will result in the removal of the abstract from the program and a two-year ban on SEACSM presentations for the first author. The faculty mentor (for students) and fellow sponsor (if applicable) will be notified if the presentation isn't given.
10. Abstracts can be sponsored by an ACSM Fellow who attests to the scientific, medical, or educational merit of the work. This may be a coauthor or an ACSM Fellow who has reviewed and approved your abstract. A Fellow may sponsor as many abstracts as desired. Abstracts received without Fellow endorsement will undergo formal review. The final acceptance decision is the exclusive right of the Program Committee. This may include a formal review even though an ACSM Fellow is an author and/or sponsor. Fellow endorsement does not automatically imply acceptance.
11. Do not wait until the last day to submit your abstract, as this does not allow time to solve technical problems, should they arise.
12. If you have questions about the abstract submission process, please contact Danielle Wadsworth (President-Elect): wadswdd@auburn.edu.

Submit your abstract online

The online abstract submission portal will be available starting on September 1, 2021, and can be accessed from the SEACSM Annual Meeting web page:

<https://www.acsm.org/acsm-membership/regional-chapters/acsm-chapters/southeast/annual-meeting>

Presentation Types

The 2022 Southeast ACSM Annual Meeting will include the following presentation types. Examples of these presentation types are included later in this document.

Original research oral and poster presentations

Describe the results of a completed study involving basic, applied, and/or clinical aspects of exercise science and sports medicine as an oral, poster, or thematic poster presentation.

Pedagogy and research tutorials

A discussion of a topic related to research or teaching in exercise science and sports medicine. Tutorials should emphasize research or pedagogical techniques and include learning objectives for attendees.

Research review symposiums

Presentations on topics of current interest to researchers and/or practitioners. These presentations should familiarize attendees with the basics of a subject, review relevant research, and discuss current issues, questions, and problems related to the topic. Historical scientific reviews specific to the 50th anniversary annual meeting fit in this category.

Research proposal presentations (students only)

A format for undergraduate and graduate students to present the background, methods, and expected findings for a research project in the proposal stage. These presentations provide an opportunity for students to get feedback in designing a pending study.

Clinical case presentations

Part of the Sports Medicine Physician program, these presentations include history, physical examination, differential diagnosis, diagnostic tests performed and results, final working diagnosis and treatment, and outcome for a clinical case.

Want to get involved?

We are looking for volunteers to review abstract submissions for the annual meeting, serve on subcommittees, and help make the annual meeting run smoothly. Fill out the volunteer form at:

<https://www.acsm.org/acsm-membership/regional-chapters/acsm-chapters/southeast/get-connected/>

Preparing Your Abstract

Original Research (Oral and Poster) Abstracts

Original research abstracts describe the results of a completed study involving basic, applied, and/or clinical aspects of exercise science and sports medicine as a free communication oral, poster, or thematic poster presentation. The program committee will assign the method of presentation (oral, poster, or thematic poster) to balance the program and meet time and space limitations.

Follow the guidelines below when preparing your original research abstract and follow all instructions on the online abstract portal when submitting your abstract. Incomplete abstracts or submissions that are missing required information may not be accepted. Multiple abstracts reporting partial data from a single experiment may be rejected.

Title: The title should be limited to 15 words. All words in the title must be in capital letters.

Authors: The first and last names of the authors will be included in the author block. Do not include degrees.

Institutions: Institutions of all authors will be included. Do not include departments.

Body: Do not include the title or author information in the abstract body when you submit it. No figures, tables, or special symbols should be included in the abstract. The abstract must include the following sections, using these headings:

BACKGROUND: One or two sentences that provide a brief context for the research including a clear statement of the purpose of the study.

METHODS: Brief statements describing procedures to acquire data, including statistical procedures used to evaluate data and determine significance

RESULTS: A summary of the results obtained must be reported with proper units. Lack of inclusion of experimental data or stating that “the results will be discussed” will result in the abstract being rejected. Projects that include only one outcome variable or limited data may be rejected. It is not satisfactory to simply describe what was found (such as, “the treatment group increased their fitness more than the control group”) or to only include statistical results (such as, “associations were significant at $p < 0.05$ ”).

CONCLUSIONS: A statement of the conclusions that are appropriate based on your data

Grant or funding information: Indicate grant or funding information, if applicable.

Preparing Your Abstract

Pedagogy and Research Tutorial Abstracts

Pedagogy and research tutorials are a discussion of a topic related to research or teaching in exercise science and sports medicine. Tutorials should emphasize research or pedagogical techniques and include learning objectives for attendees.

For the 2022 Annual Meeting this includes ideas and best practices about teaching and research during the COVID pandemic. Research topics may focus on ways to collect data with physical distancing and other restrictions, working with student researchers, and issues related to research funding. Pedagogy topics can include how to adapt teaching for face-to-face, virtual, hybrid, and hyflex models, pedagogical research, and other issues related to teaching and education.

Follow the guidelines below when preparing your pedagogy or research tutorial abstract and follow all instructions on the online abstract portal when submitting your abstract. Incomplete abstracts or submissions that are missing required information may not be accepted.

Title: The title should be limited to 15 words. All words in the title must be in capital letters.

Authors: The first and last names of the authors will be included in the author block. Do not include degrees.

Institutions: Institutions of all authors will be included. Do not include departments.

Body: Do not include the title or author information in the abstract body when you submit it. The abstract must contain a brief description of the proposed session which includes the purpose and a summary of the major points of the presentation. At least one learning objective should be identified as well as changes attendees should be able to make following your session.

Grant or funding information: Indicate grant or funding information, if applicable.

Preparing Your Abstract

Research Review Symposium Abstracts

Symposiums are “state of the art” presentations on topics of current interest to researchers and/or practitioners. These presentations should familiarize attendees with the basics of a subject, review relevant research, and discuss current issues, questions, and problems related to the topic.

For the 2022 Annual Meeting, historical scientific reviews specific to the SEACSM 50th anniversary fit in this category.

Follow the guidelines below when preparing your research review symposium abstract and follow all instructions on the online abstract portal when submitting your abstract. Incomplete abstracts or submissions that are missing required information may not be accepted.

Title: The title should be limited to 15 words. All words in the title must be in capital letters.

Authors: The first and last names of the authors will be included in the author block. Do not include degrees.

Institutions: Institutions of all authors will be included. Do not include departments.

Body: Do not include the title or author information in the abstract body when you submit it. The abstract must contain a brief description of the proposed session which includes the purpose and a summary of the major points of the presentation.

Grant or funding information: Indicate grant or funding information, if applicable.

Preparing Your Abstract

Research Proposal Abstracts (Students Only)

Research proposals are a way for undergraduate and graduate students to present the background, methods, and expected findings for a research project in the proposal stage or that they were not able to complete due to the COVID pandemic. These presentations provide an opportunity for students to get feedback on an ongoing or future study.

Follow the guidelines below when preparing your research proposal abstract and follow all instructions on the online abstract portal when submitting your abstract. Incomplete abstracts or submissions that are missing required information may not be accepted.

Title: The title should be limited to 15 words. All words in the title must be in capital letters.

Authors: The first and last names of the authors will be included in the author block. Do not include degrees.

Institutions: Institutions of all authors will be included. Do not include departments.

Body: Do not include the title or author information in the abstract body when you submit it. No figures, tables, or special symbols should be included in the abstract. The abstract must include the following sections, using these headings:

BACKGROUND – A short section that provides a brief context for the study, including relevant supporting research and a clear statement of the purpose of the study.

METHODS - A description of the subjects, procedures to acquire data, treatments, and statistical procedures that will be used to evaluate data and determine significance.

ANTICIPATED RESULTS - A description of the expected results of the study, based on previous research.

Grant or funding information: Indicate grant or funding information, if applicable.

Sample Abstracts

ORIGINAL RESEARCH Abstract

ENERGY EXPENDITURE DURING TREADMILL WALKING AND RUNNING: ACCURACY OF THE 100 KCAL PER MILE ESTIMATE.

Brian Parr, Andrew Hatchett, Lianna Epstein, Rachael Herring, Harli Eggenberger.
University of South Carolina Aiken

BACKGROUND: Energy expended during walking or running can be measured in a lab or estimated based on speed, grade, and body mass. However, these assessments are not easily completed by the general population, so a crude estimate of energy expenditure (EE) of 100 kcal•mile⁻¹ is commonly used. Although the equations for estimating EE at a given walking or running speed have been validated, the accuracy of the 100 kcal•mile⁻¹ value has not been specifically evaluated. The purpose of this study was to determine the accuracy of the 100 kcal per mile estimate across a wide range of walking and running speeds. **METHODS:** A sample of 21 subjects (age 23.6±8.8 y) walked or ran one mile at a self-selected speed on a motorized treadmill while VO₂ was measured using a Parvomedics TrueOne 2400 metabolic measurement system. The EE was calculated from VO₂ measured after subjects achieved steady-state. The significance of differences in measured kcal•mile⁻¹ and the 100 kcal•mile⁻¹ estimate were determined using t-tests. **RESULTS:** There were no significant differences between the measured EE and the 100 kcal•mile⁻¹ estimate (108.6±31.5 vs. 100±0 kcal•mile⁻¹, p=0.22) across both running and walking speeds (range: 72.4–187.6 mmin⁻¹). There were also no significant differences between the actual and estimated EE at walking speeds (95.6±12.6 mmin⁻¹; 100.1±23.1 vs. 100±0 kcal•mile⁻¹, p=0.98) running speeds (158.8±19.4 mmin⁻¹; 115.0±36.2 vs. 100±0 kcal•mile⁻¹, p=0.18). However, the measured EE during running was significantly higher (p=0.03) than during walking. **CONCLUSIONS:** The widely used EE estimate of 100 kcal•mile⁻¹ appears to be accurate across a wide range of walking and running speeds. While the measured EE during running was significantly higher than during walking, neither was significantly different from the 100 kcal•mile⁻¹ estimate. This suggests that this value may be useful for estimating EE for fitness or weight loss purposes in a general population.

RESEARCH REVIEW TUTORIAL Abstract

BLOOD FLOW RESTRICTION: IMPORTANT UPDATES AND APPLICATIONS

Matthew Jessee¹, Grant Mouser², Samuel Buckner³

¹University of Southern Mississippi, ²Troy University, ³University of South Florida,

Blood flow restriction (BFR), by itself or combined with low-load resistance training, has been shown to elicit both skeletal muscle and cardiovascular adaptations. Using pneumatic cuffs, elastic wraps, or other devices applied at the most proximal portion of the limbs, BFR decreases arterial flow and limits venous return. As BFR training has become more popular in athletic, clinical, and general populations, literature has placed a greater focus on standardizing BFR methodology. Specifically, efforts have been made to understand variables affecting the amount of pressure applied and how that pressure influences muscular and cardiovascular responses. In addition, the understanding of the mechanisms involved in how BFR works is evolving. Given the greater implementation of BFR in a range of populations, the purpose of this symposium is: 1) discuss important considerations and current best practices in the application of BFR, 2) discuss the cardiovascular adaptations observed following low-load resistance training combined with BFR, and 3) discuss muscular adaptations observed following low-load resistance training combined with BFR. Researchers and practitioners gain an understanding of the latest recommendations for standardized BFR application, an understanding of BFR mechanisms, and what adaptations can be expected following a program that includes BFR. Researchers and practitioners may change how they apply restrictive pressure and will be able to better design protocols to elicit desired adaptations.

Sample Abstracts

RESEARCH PROPOSAL Abstract

THE EFFECT OF INDOOR VERSUS OUTDOOR EXERCISE ON MOOD

Morgan Bookstaver, Brian Parr

University of South Carolina Aiken

BACKGROUND: Depression is a clinically significant mood disorder that affects a large percentage of the population and is one of the leading health concerns because of the overall negative effects on physical and mental health. Exercise has known health and fitness benefits that can occur with as little as 30 minutes per day. Additionally, exercise can be used as a form of treatment for many depressed patients because it often improves their functional status, reduces effects of potential medical co-morbidities, and improves self-esteem. Previous studies have shown a relationship between engaging in exercise of varying intensities and the reduction of depressive symptoms, negative mood, and anxiety levels. In addition, studies have shown a correlation between contact with nature and improved mood and decreased anxiety levels. The purpose of this study is to determine the effect of a single bout of indoor or outdoor exercise on mood. **METHODS:** I plan to recruit 40 male and female participants between the ages of 18 and 45 for participation in this study. Each participant will complete two 30-minute sessions of moderate-intensity exercise in two environments (indoor track or outdoor walking path), with the condition order counterbalanced, and one week between sessions. Participants will be asked to keep their walking pace at a self-determined level of moderate-intensity exercise and intensity will be monitored by RPE and heart rate recorded every lap. Mood and anxiety will be assessed using the Positive and Negative Affect Schedule (PANAS) administered before and after each exercise session to detect any changes due to the exercise and/or environment and the state portion of the State-Trait Anxiety Inventory (STAI) to assess potential lasting effects on mood. Results will be analyzed using repeated measures ANOVA to determine the significance of differences between indoor and outdoor exercise. The reliable change index will also be used to assess whether changes in mood and anxiety meet clinical significance. **ANTICIPATED RESULTS:** It is hypothesized that outdoor exercise will have a greater positive influence on mood and anxiety compared to the same exercise done indoors.

PEDAGOGY AND RESEARCH TUTORIAL Abstract

HANDS-ON FITNESS ASSESSEMENT ACTIVITES: CONCEPTS IN A COVID/REMOTE TEACHING ENVIRONMENT

James Green¹, Becki Batista², John Patrella³

¹University of North Alabama, ²Appalachian State University, ³Samford University

Skills and abilities for assessment of health and health-related fitness components are critical for Health/Exercise Science students as they are used to identify current disease risk status and for subsequent development of individualized fitness programs. Such abilities are most effectively developed in a laboratory setting permitting direct student involvement in hands-on activities. However, teaching fitness assessment concepts in an online/remote manner as necessitated in a pandemic environment compromises interaction among students and faculty and consequently hinders direct engagement in conducting various fitness tests/assessments. Without direct involvement, students may fail to adequately develop these skills, and with imprecise test data, the resulting health/fitness program may be impaired. The purpose of this presentation is to discuss the use of technology-based instructional modalities allowing increased effectiveness of teaching assessment techniques relevant in a health/fitness setting. Concepts will include a) use of video instruction, b) self-assessment of personal fitness, and c) evaluation and dissemination of results to clients. The learning objectives are to a) improve content delivery expertise when providing instruction in a remote/online environment and b) encourage implementation of activities relevant to skill development in such an environment. The target audience for this tutorial will be faculty or others who may be required to teach in a remote/online or hybrid model.

Preparing Your Abstract

Clinical Case Abstracts (Sports Medicine Physician Program)

Clinical case studies are presented as part of the Sports Medicine Physician program at the SEACSM annual meeting. Presentations include history, physical examination, differential diagnosis, diagnostic tests performed and results, final working diagnosis and treatment, and outcome for a case.

All submissions must include contact information and email address. There is a 500 word limit, not including title. The following format should be followed when preparing your clinical case study abstract.

- ▶ **Title of case**
- ▶ **History** including history of present illness, past medical history, medications, allergies, etc.
- ▶ **Physical Examination**
- ▶ **Differential Diagnosis List**
- ▶ **Data** including diagnostic tests performed and results, laboratory studies performed and results, etc.
- ▶ **Final Working Diagnosis and Treatment**
- ▶ **Outcome**

The deadline for clinical case abstract submissions for the 2022 annual meeting is Wednesday, December 8, 2021 at 5:00 pm ET. Authors of cases that are accepted for presentation during the 2022 SEACSM Sports Medicine Physician program will be notified by Thursday, January 6, 2022.

How to submit your Clinical Case abstract

Please prepare your case abstract as a Microsoft Word document and send it as an e-mail attachment directly to:

Dr. Leonardo Oliveira

oliveil@ccf.org

Awards and Honors

SEACSM Student Research Awards

Southeast ACSM is proud to highlight and reward outstanding research conducted by students at our annual meeting. The Student Research awards categories include undergraduate, masters, and doctoral.

If you would like to be considered for one of these awards, indicate this when submitting your abstract. Make sure you indicate which award category (undergraduate, masters, or doctorate) you are applying.

For the 2022 SEACSM annual meeting, students can submit their abstracts for the student competition if they were a student during the time of their data collection. In other words, if a student collected data in the spring of 2021 and was an undergraduate student, he/she can submit his/her abstract for the 2022 SEACSM meeting as an undergraduate student. Likewise, if he/she was a masters or doctoral student and collected data in the spring of 2021, he/she can submit his/her abstract for the 2022 meeting as a masters or doctoral student. These student categories criteria require that this is the first submission of the data and that the project was done primarily by the student.

The finalist abstracts in each student category will be selected based upon the submitted abstract by a review committee selected by SEACSM Board members. Each of these finalists will be required to submit a PDF file of their final poster one week before the meeting for the judges to review. During the meeting, finalists will present their posters to a panel of judges who will select the winners. For those not selected for the Student Award Poster session, their posters will be presented at the annual meeting in a regular poster session.

The award winners will be announced at the conference award ceremony and all finalists are expected to attend. SEACSM presents an award to the top three winners in each category.

Each regional chapter will select the top graduate poster (masters or doctoral) to compete in the ACSM Presidential Cup at the 2022 ACSM Annual Meeting. The top chapter award winners will also present at the national meeting. SEACSM will select our top graduate poster based upon finalist presentations in the masters and doctoral categories from our 2022 meeting.

SEACSM Scholar and Service Awards

SEACSM members are invited to submit nominations for the annual SEACSM Scholar Award and the SEACSM Service Award. The Scholar Award was instituted to honor and recognize outstanding contributions to the body of knowledge related to medicine and science in sports and exercise. The Service Award was instituted to honor and recognize outstanding service to the organization.

Nominations should be received by November 8, 2021. All letters of nomination should provide at least two reasons supporting the nomination award. It is recommended that the prerequisite be five years of active SEACSM participation.

Letters of nomination for the SEACSM Scholar and Service Awards should be sent to:

John Petrella
SEACSM Past-President
jkpetrel@samford.edu

Connect with SEACSM

SEACSM Board Members

Matt Green, President. University of North Alabama, jmgreen@una.edu

John Petrella, Past-President. Samford University, jkpeterl@samford.edu

Danielle Wadsworth, President-Elect. Auburn University, wadswdd@auburn.edu

Eric Plaisance, At-Large Member. University of Alabama-Birmingham, plaisep@uab.edu

Kim Reich, At-Large Member. High Point University, kreich@highpoint.edu

Bhibha Das, At-Large Member. East Carolina University, bhibha@gmail.com

Nicole Rendos, At-Large Member. Emory University, nrendos@emory.edu

Dulce Gomez, Student Representative. Auburn University, dhg0008@auburn.edu

Katie Spring, Student Representative. Auburn University, kzw0076@auburn.edu

Brent Messick, Physician Representative. Atrium Health Musculoskeletal, brent.messick@atriumhealth.org

Carolynn Berry, Executive Director. Winston-Salem State University, berryc@wssu.edu

Michael Berry, Exhibits, Sponsorships and Fund Raising. Wake Forest University, berry@wfu.edu

Kevin McCully, Representative to ACSM. University of Georgia, mccully@uga.edu

Brian Parr, Communication Director. University of South Carolina Aiken, brianp@usca.edu

Upcoming events

Abstract submission deadline for the 2022 SEACSM Annual Meeting, October 1, 2021.

ACSM Advanced Team Physician Course, December 1-3, 2021.

Clinical case submission deadline for the 2022 SEACSM Annual Meeting, December 8, 2021.

Abstract submission deadline for the 2022 ACSM Annual Meeting, November 1, 2021.

SEACSM Annual Meeting, February 17-19, 2022.

ACSM International Health & Fitness Summit, March 31-April 3, 2022.

ACSM Annual Meeting, May 31-June 4, 2022.

Keep in touch!



www.seacsm.org



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