



## CME INSTRUCTIONS

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### **CME INSTRUCTIONS: PHASE ANALYSIS OF GATED PET IN THE EVALUATION OF MECHANICAL VENTRICULAR SYNCHRONY: A NARRATIVE OVERVIEW**

Please read the instructions below before proceeding. All available Journal CME articles are available at the ASNC Learning Center (<https://asnc.community360.net>).

#### **STATEMENT OF NEED**

The following gaps in knowledge have been identified in clinical practice demonstrating the learner's need to acquire the skills and strategies presented in this CME activity:

- There is a paucity of knowledge surrounding the feasibility, characterization, and clinical significance of phase analysis in cardiac PET imaging for the evaluation of ventricular synchrony.
- Intuitive extrapolation of the data available regarding the phase analysis for ventricular synchrony evaluation from SPECT imaging should not be unopposed, and further research utilizing PET imaging is warranted.

#### **TARGET AUDIENCE**

This activity is targeted at imaging professionals and is intended to provide the latest information on clinical practice and cutting-edge scientific advances in nuclear cardiology and cardiac imaging.

#### **OVERALL PURPOSE**

The purpose of this CME activity in the Journal of Nuclear Cardiology is to increase the learners' competence in the application of nuclear cardiology strategies in clinical practice.

#### **OBJECTIVES**

After reading and reflecting upon this article in the Journal Nuclear Cardiology, the learner should be able to

- Understand the general technicalities behind phase analysis in cardiac PET.
- Recall the patterns in synchrony metrics that associate with differences between sexes.
- Recognize the paucity of information and, therefore, the development and research opportunities on this topic considering the reference-value-diagnosis-prognosis continuum and the pathological states where it has been studied.

#### **ACCREDITATION AND CONTINUING EDUCATION CREDIT**

##### **Physicians**

The American Society of Nuclear Cardiology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Society of Nuclear Cardiology designates this Journal-based CME activity for a maximum of 1 *AMA PRA Category 1 Credits*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

##### **Technologists**

The American Society of Nuclear Cardiology is a recognized provider of continuing education credit for technologists. ASNC's Continuing Education (CE) credit is accepted by both NMTCB and ARRT. This Journal-based activity has been approved for a maximum of 1 ARRT Category A credits for Technologists.

#### **PRINCIPAL FACULTY AND THEIR CREDENTIALS**

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The following author(s) who were involved in the development of this activity reported no financial relationships: **Luis Eduardo Juarez-Orozco, MD, PhD, Andrea Monroy-Gonzalez, MD, Niek H. J. Prakken, MD, PhD, Walter Noordzij, MD, PhD, Juhani Knuuti, MD, PhD, Robert A. deKemp, PhD, and Riemer H. J. A. Slart, MD, PhD**

The following members of the JNC Editorial Staff and ASNC staff who were involved in the planning and development of this activity reported no financial relationships: **William Van Decker, MD, FASNC and Wendy Passerell**

The following reviewer(s) who was(were) involved in the development of this activity reported no financial relationships: **Maria Sciammarella, MD**

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Release Date: November 13, 2019.  
Expiration Date: November 12, 2020.

## METHOD OF PARTICIPATION

To receive a statement of credit, participants must successfully complete the post-test quiz and evaluation questions after reading and reflecting on the article. The participant selects the single most appropriate answer for each post-test question. A score of 75% or higher is needed to pass the post-test quiz. If less than 75% of the questions were correct, the participant will be notified and may resubmit the quiz with modified answers up to three times.

Estimated time of completion is one hour.

To complete the post-test and evaluation, please visit the ASNC Learning Center at <https://asnc.community360.net>.

## BIBLIOGRAPHY

Bibliographic sources are cited throughout the article and a full bibliography is provided at the end of the article to provide you with further study resources on this topic.

## MEDIUM OR COMBINATION OF MEDIUM USED

Internet Explorer (Latest Version)  
Firefox (Latest Version)  
Google Chrome  
Safari (Latest Version)  
Adobe Acrobat Reader  
Internet Explorer is not supported on the Macintosh Mac OS 10.4  
Windows 7 or above

## PROCESSING FEES

ASNC members may claim continuing education credits at no charge. Non-members will be charged \$50 per activity.

## ACKNOWLEDGEMENT OF COMMERCIAL SUPPORT

This activity has no commercial support.

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### **CONTACT INFORMATION**

For technical assistance or information, please contact Premier at [lifetimesupport@premierinc.com](mailto:lifetimesupport@premierinc.com)

For questions regarding CME content or obtaining CME credit, please contact the American Society of Nuclear Cardiology at [info@asnc.org](mailto:info@asnc.org).

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