

**Cardiovascular Council
Business Plan FY2017**

1. Executive Summary

The Cardiovascular Council (CVC) of SNMMI works to ensure and enhance the quality and clinical utility of the use of cardiovascular nuclear medicine studies in patient care. The CVC achieves this goal via three endeavors: 1) Develop and promote methods and procedures for proper clinical application of cardiovascular radionuclide / molecular imaging; 2) Educate providers both within and outside SNMMI regarding the most up-to-date and highest quality cardiovascular nuclear medicine care, and 3) Serve as a facilitator to the basic research development of new cardiovascular imaging techniques, and in the translation and clinical application of such new techniques. Members of the CVC also work with SNMMI and other cardiac imaging organizations in the interaction between providers of nuclear cardiology services, and government and 3rd party payers with regard to quality and appropriate compensation for services. Finally, the CVC contributes to the presentation and explanation of cardiovascular nuclear imaging methods and benefits to the general public through print and other media.

2. Mission

The Cardiovascular Council is a group within The Society of Nuclear Medicine, Inc., hereafter referred to as the Society, dedicated to the interchange of scientific and medical ideas among Society members who have interest in cardiovascular imaging using radiopharmaceuticals. The overall mission of the Cardiovascular Council is to:

- a. provide a forum for members with similar interests
- b. provide expertise in the field of interest to the membership and to the nuclear cardiology community at large
- c. foster research and education in the field of interest
- d. provide outreach to other professionals and organizations
- e. nurture new membership into the Society
- f. serve as a resource to SNMMI Leadership

3. Leadership

Officers:

President:	Robert J. Gropler, MD
President-elect:	Panithaya Chareonthaitawee, MD
Vice-President Elect:	Terrence C. Ruddy, MD
Secretary:	Howard Lewin, MD, FACC, FASNC
Treasurer:	Saurabh Malhotra, MD, MPH
Immediate Past-President:	Thomas H. Schindler, MD,

Board of Directors:

Wanda Acampa, MD, PhD	Edward J. Miller, MD, PhD
Timothy Bateman, MD	Venkatesh Murthy, MD, PhD
Daniel S. Berman, MD	Diane Paez, MD
James Case, PhD	Mehran M. Sadeghi, MD
Wengen Chen, MD, PhD	James Thackeray, MD (<i>Intern, non-voting</i>)
Robert DeKemp, PhD	Ed Lyons, Jr., RT®, CNMT (<i>Communications, non-voting, Presidential appointment</i>)
Henry Gewirtz, MD	
April Mann, MBA, CNMT, NCT, RT(N)	

Vasken Dilsizian, MD (*non-voting, Past President*)
 Sharmila Dorbala, MD (*non-voting, Past President*)
 Ronald G. Schwartz, MD, MS, FACC, FAHA (*non-voting, Past President*)
 Prem Soman, MD, PhD (*non-voting Past President*)

4. Current Status

A. Financial

As of May 31, 2016, the CVC has a total revenue of \$15,506. This includes \$7,220 in membership dues and a carryover of \$8,286 from FY2015. Expenses total approximately \$5,454. Revenue is generated through annual meeting membership dues, which are \$20.00 per member.

B. Membership

The membership of the Cardiovascular Council consists of physicians, scientists, and technologists. It continues to be one of the largest councils of SNMMI with approximately 363 active members as of July 1, 2016.

Many members of the CVC belong to and have important leadership roles in other cardiovascular societies, including the American Society of Nuclear Cardiology (ASNC), the American College of Cardiology (ACC), the American Heart Association (AHA), the Society of Cardiovascular Computed Tomography (SCCT), the Canadian Society of Nuclear Medicine (CSNMMI), the European Association of Nuclear Medicine (EANM), and the European Society of Cardiology (ESC), among others. As a result, the CVC has a unique role to play in Cardiovascular Nuclear Medicine by providing a crucial link between clinical and specialist cardiologists, and cardiac imagers in the aforementioned societies on the one hand, and the expertise and experience of physicians, technologists and basic scientists in SNMMI on the other. Such a link is essential to advancement of applications of basic research in instrumentation, radiopharmaceutical and computer sciences, molecular biology and imaging into clinical practice, and also to enhancing cardiac clinical care provided by members of SNMMI. By this, the CVC is well positioned to play an important role in improving the evaluation and management of patients with cardiovascular diseases.

The annual CVC membership counts for the past few years are shown below:

<u>Year</u>	<u>Membership Count</u>
2015	390
2014	318
2013	346
2012	455

C. Member Benefits

Continuing Education: The CVC organizes scientific and continuing education sessions of the SNMMI Mid-winter meeting and Annual scientific meeting of the SNMMI. These activities are for the members of the council and for the SNMMI membership at large. The CVC also organizes educational programs in collaboration with other SNMMI councils, centers and chapters.

Collaborative Activities: The CVC supports additional programs on specialized topics such as cardiac PET/CT, CV Molecular Imaging and cost effectiveness research. The CVC collaborations with the ASNC, ACC, and other councils and centers within the SNMMI.

Outreach Committee: The CVC has a very active Outreach committee that facilitates the communication and development of cardiovascular outreach initiatives including outreach to international members.

Newsletter: Council news and activities is circulated to the council membership in a newsletter several times a year.

Webpage: The council page on the SNMMI webpage is restructured to provide professional information, scientific updates, information about CME opportunities, award announcements, and other information relevant to the field of cardiovascular imaging.

5. Accomplishments for 2015-2016

A. Education

As part of its mission, the CVC organizes scientific and continuing education sessions at the SNMMI Mid-Winter Meeting and the Annual Meeting. The CVC also supports additional programs on specialized topics, such as cardiac PET/CT, CV Molecular Imaging and Cost Effectiveness Research.

SNMMI Mid-Winter Meeting 2016, Orlando, FL: The CVC sponsored the following three continuing education sessions at the 2016 SNMMI Mid-Winter Meeting:

- Dedicated Cardiac SPECT (co-sponsored with the CalC)
- Emerging and Established Roles of Imaging in Heart Failure
- Emerging Molecular Imaging approaches in Cardiology

SNMMI Annual Meeting 2016, San Diego, CA: The CVC played a major role in the 2016 Annual Meeting by sponsoring a total of ten educational sessions including one categorical session co-sponsored with the Correlative Imaging Council (CIC), two boot camp sessions for trainees, seven continuing education sessions encompassing a variety of topics including SPECT, PET, Tracer and Techniques in nuclear cardiology, and molecular imaging techniques.

B. CVC Organization Structure

In June 2015, the CVC BOD voted and approved the motion to add two international positions on the CVC Board of Directors for the 2016-2017 elections. The two international members were elected and began their three-year term with full voting rights at the conclusion of the 2016 Annual meeting in San Diego, CA.

C. Newsletter

The CVC provided informative and interesting newsletters for the council membership in 2015-2016 and maintains a web site. Communications to the CVC membership is also done through email blasts.

D. Board Meetings

Cardiovascular Council Board of Directors meetings were held during both the SNMMI midwinter and annual meetings in January and June 2016, in order to discuss ongoing activities of the council.

E. Awards

The CVC presented the 2016 CVC Hermann L. Blumgart Award to Prem Soman, MD, PhD, at the 2016 Annual Meeting in San Diego, CA.

Numerous cardiovascular oral abstract and poster presentations. The CVC again organized and conducted its Young Investigator Award competition. The following are the winners of the 2016 CVC YIA Awards:

Basic Science

Christopher England – 1st Place
 Yoann Petibon – 2nd Place
 Carlos Perez-Mendia – 3rd Place

Clinical Science

Thorston Derlin – 1st Place
 Ines Valenta – 2nd Place
 Xiang Li – 3rd Place

F. The CVC Internship Program

James Thackeray, MD, is the CVC intern for the 2015-2017 term and a highly accomplished post-doctoral fellow working in the lab of Dr. Frank Bengel. Dr. Thackeray has given a state-of-the-art lecture on “Nuclear Imaging Modalities to image Sympathetic Innervation of the Heart” at the 2016 Mid-Winter meeting. He has published several manuscripts in the field of cardiovascular molecular imaging.

6. Goals and Programs for 2016-2017

The Cardiovascular Council (CVC) continues to assure and enhance the quality and clinical utility of the use of cardiovascular nuclear medicine studies in patient care by contributing to Goals A, B, D, and E of the SNMMI Strategic Plan. Programs planned include:

a. Educational Sessions at the 2017 Mid-Winter Meeting in Phoenix, AZ. The CVC will sponsor the following educational sessions:

- Role of Nuclear and Multimodality Imaging in Cardiovascular Diseases (co-sponsored with Clinical Trials Network)
- Advances in Cardiac SPECT and PET Imaging (co-sponsored with the CalC)
- Emerging Molecular Imaging Approaches in Cardiovascular Diseases
- Instrumentation for Low Dose Dedicated Imaging Systems: What Features Matter and Why (co-sponsored with the CalC).

b. Organization of Scientific and CME Program for 2017 SNMMI Annual Meeting in Denver, CO.

As in prior years, the CVC is prepared to organize a Saturday Categorical Seminar and multiple CME sessions on cardiovascular nuclear imaging. A recipient for the Hermann Blumgart

Award will be selected by the Award Committee, and will be presented in the Blumgart session at the meeting. Oral and poster sessions will be composed by the CVC members of the scientific program committee and the CVC vice chair, sub-chairs for clinical and basic sciences, and the sub-chair for the YIA. Also, the CVC will again hold its cardiovascular Young Investigator Award Competition, for which the 6 best abstracts will be selected as finalists. The Council will give a \$500 award to the best cardiovascular technologist abstract.

c. Promote Closer Relationship with ASNC

In recent years, several joint efforts have been completed with ASNC. There is ongoing dialog between the leadership of the ASNC and the CVC on prevailing issues of mutual interest. Currently, there is a joint effort and initiative between the BOD of the CVC and ASNC to write two position papers on the following topics: 1). Quantification of myocardial blood flow with PET in CAD detection and characterization, and 2). The use of cardiac PET and PET/CT for cardiac Sarcoidosis. In addition, there is a joint position paper by ASNC and SNMMI addressing the appropriate use of cardiac perfusion imaging with PET

d. Promote closer working relationship with other councils, centers and chapters of SNMMI. The CVC recognizes that an open interaction among councils and other structures is a key component of integration within SNMMI. The CVC can only benefit from exchange of ideas, experiences, and expertise, and likewise it is expected that other SNMMI structures will benefit from close interaction with CVC.

The CVC has worked with and will continue to work with the PET Center of Excellence and the Center for Molecular Imaging Innovation and Translation on both educational and research projects. Designated CVC BOD members will continue to serve as primary contacts of the CVC for both Centers and will offer to participate and provide input at meetings of each Center's leadership.

The CVC hosted a joint categorical session with the Correlative Imaging Council (CIC) at the 2016 SNMMI annual meeting in San Diego, CA and plans to further expand its interaction with other SNMMI councils. This will include communication and potential joint educational efforts with the Correlative Imaging Council, the Radiopharmaceutical Sciences Council, the Computer and Instrumentation Council and the Nuclear Oncology Council.

e. Further Implementation of the CVC Internship Program.

James Thackeray, PhD, is a highly accomplished post-doctoral fellow and the CVC intern for 2015-2017. Dr. Gropler is the CVC mentor who will work with Dr. Thackeray on selected intern projects.

f. Facilitate communication and development of Outreach initiatives.

Dr. Dilsizian, CVC Past President, continues to serve as the Nuclear Cardiologist for the Nuclear Regulatory Commission (NRC) Advisory Committee on the Medical Uses of Isotopes (ACMUI) for a four-year term starting March 1, 2014. Prem Soman, MD, PhD, CVC Past-President, continues to serve as Chair of the American College of Cardiology Imaging Council (ACC), as a member of executive council of the ASNC and as board member of the Intersocietal Accreditation Commission (IAC Nuclear/PET). Howard Lewin MD, CVC, Secretary serves as a board member for IAC Nuclear/PET and as Vice-Chair for Integration of the Alliance for Physician Certification and Advancement which oversees the Certification Board in Nuclear Cardiology.

While the relationship with ASNC is considered highest priority due to the significant overlap of interests, there are other medical societies active in the field of cardiac imaging (such as ACC, AHA, AMI/SMI, SCCT, SCMR). Those may have infrastructure and experience that can benefit SNMMI, such as with regard to issues of practice guidelines, credentialing, interaction with 3rd party payers, etc. The CVC will seek to establish more formal relationships with these societies. Because our field continues to become more international in scope the CVC will also seek to establish relationships with the cardiovascular nuclear medicine sub-specialties of similar international organizations. Methods to do this include meeting and communicating with the leadership of these societies on common issues and concerns, and working to elect CVC Board of Directors Members who also have positions within these societies.

g. Work for education of outside medical community and the general public on benefits of nuclear medicine, nuclear cardiology and cardiovascular molecular imaging

As members of SNMMI, members of the Cardiovascular Council know that patient imaging using radiotracers offers tremendous benefit to patients in terms of accurate diagnoses, highly effective prognosis/risk stratification, and in guiding appropriate patient management. Additionally, novel molecular imaging techniques hold promise to play a key role for a future personalization of medicine. The CVC will continue to strive to be a leader in effectively communicating the benefits of our techniques to physicians and health care providers less familiar with the benefit of nuclear medicine, as well as providing patient fact sheets to the general public at large (including 3rd party payer and governmental agencies).

h. Increase Membership and Communications

- Continue to work on increasing membership and participation in the Cardiovascular Council especially to international members. Two international members were elected to the CVC board of directors in spring 2016.
- Continue to provide professional and educational information through Council newsletters and the webpage. The CVC has modified its newsletters to 2-3 pages in order to get information out to the membership in a timely manner.
- Identify and develop potential leaders and define and incentivize priorities in cost effectiveness research in cardiovascular nuclear medicine in the current critical era of enhanced competition and reduced reimbursement for cardiac imaging services

7. Budget and Resource Requirements

a. Summary of Financial Needs

The attached FY2017 budget summarizes the total resources needed to support the goals set forth in the business plan.

b. Resource Requirements

Ongoing SNMMI staff support, materials, technology and marketing support.