

Cardiovascular Council FY22 Business Plan – Drafted June 2021 Value Initiative 2.0

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:

- Develop and promote methods and procedures for proper clinical application of cardiovascular radionuclide / molecular imaging;
- Educate providers both within and outside SNMMI regarding the most up-to-date and highest quality cardiovascular nuclear medicine care; and
- 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.

SNMMI Value Initiative 2.0 – Engagement of Councils and Centers of Excellence

In 2018, SNMMI launched its Value Initiative – a comprehensive strategic plan to advance the crucial role of nuclear medicine and molecular imaging in patient care and science and discovery. The next step will become SNMMI's Value Initiative 2.0. As part of Value Initiative 2.0 SNMMI will continue to adjust our organization to the changing health care environment. Value Initiative 2.0 will also engage as many SNMMI members as possible through the work of various committees, working groups, SNMMI councils and centers of excellence and the SNMMI chapters.

As part of this inward focusing effort, councils and centers of excellence will be participating in Domain conference calls and working directly with the chairs from the six (6) domains to address the opportunities and develop strategies to meet them.

As a council, the Cardiovascular Council will be mainly involved in the following domains; Research and Discovery, Quality of Practice and Outreach. However, the Council may be asked to or request to be involved in other domains as issues or opportunities arise.

Goals and Programs for FY22

The Cardiovascular Council will aim to continue and amplify the SNMMI's strengths of inclusiveness, and emphasis on science, quality clinical practice and education. In addition, the CVC will also continue to define quality and science as our field evolves with initiatives in cardiac amyloidosis, PET FDG cardiac infection imaging, cardiac PET-MRI credentialing, basic approaches to "hot-spot" imaging, and coronary microvascular disease, as well as other exciting emerging areas to be announced. Finally, we will expand the excellent educational opportunities at the Annual and Mid-Winter Meetings with educational initiatives via digital media. Specific goals and objectives include:

1. **Educational Sessions at the 2022 Mid-Winter Meeting (January 27-29, 2022; Orlando, FL).** Cardiac imaging will be the focus for the 2022 MWM. The CVC will sponsor up to 9 sessions, including the potential for a practical cardiac CT course with the CIC.
2. **Organization of Scientific and CME Program for 2022 SNMMI Annual Meeting – Virtual Edition (June 2022).**
As in prior years, the CVC will prepare a Saturday Categorical Seminar and multiple CME sessions on cardiovascular nuclear imaging. Recipients for the Hermann Blumgart and Distinguished Educator Awards will be selected. 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. We will adjust our program sessions accordingly depending on whether the meeting is virtual or (hopefully) in person

3. **Educational Sessions in relation to 2022 Mid-Winter Meeting in Orlando and the 2022 Annual Meeting in TBD.**

As in prior years the CVC will plan for robust educational offerings at both of these meetings. We will stand-by for instruction from leadership as to the format and number of these sessions, given the on-going disruptions posed by Covid-19.

4. **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.

A joint effort and initiative between the BOD of the CVC and ASNC has resulted in an appropriate use document for cardiac perfusion imaging with PET which is nearing completion under the guidance of Thomas Schindler, MD.

A joint effort to describe training standards for hybrid nuclear cardiac imaging with a focus on cardiac PET-CT and SPECT-CT is in late-stage development under the guidance of John Mahmarian, MD.

A joint effort on the basics of PET blood flow, designed especially for PET providers lacking on-site physics support, is nearing completion under the guidance of Terrence Ruddy and Timothy Bateman.

5. **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 Computer and Instrumentation Council, the Correlative Imaging Council and PET Center of Excellence and the Center for Molecular Imaging Innovation and Translation on both educational and research projects, including current projects on 'Hot Sport' imaging guidelines and the proposed cardiac CT session at the 2022 MWM. 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.

6. **Further Implementation of the CVC Internship Program.**

Matthieu Pelletier-Galarneau, MD and Rene Packard, MD, PhD completed their two-year terms (2019-2021) as CVC interns. Two new CVC interns have been selected, Drs. Krishna Patel and Attila Feher. The CVC BOD Executive Committee met with the outgoing interns and incoming interns on July 28, 2021. The new interns have formal mentoring arrangements with SNMMI CVC leaders.

7. **Facilitate communication and development of Outreach initiatives.**

Dr. Dilsizian, former CVC President and SNMMI President, continues to serve as the Nuclear Cardiologist for the Nuclear Regulatory Commission (NRC) Advisory Committee on the Medical Uses of Isotopes (ACMUI). Sharmila Dorbala, MD, former CVC President, now serves as Past-President of ASNC. Piotr Slomka, PhD (SNMMI CVC President-elect) is the planning committee chair for the 2021 ASNC Scientific Sessions.

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, WMIS, 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 continue to 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.

8. **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).

9. Increase Membership and Communications

Continue to work on increasing membership and participation in the Cardiovascular Council especially to international members.

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.

The CVC voted and approved a motion to offer free in-training membership to in-training residents, in-training associate scientists and in-training technologists.

A social media strategy was initiated in the prior year and expansion to include brief summaries of relevant cardiovascular nuclear medicine research papers is underway under the leadership of Thomas Schindler, MD with deep involvement by the CVC interns.

10. 2021 Board Meetings

Cardiovascular Council Board of Directors meetings will be held twice per year either in-person if possible or virtually, at the times of both the SNMMI midwinter and annual meetings in January and June, in order to discuss ongoing activities of the Council. As well, a virtual Leadership Retreat including the Board of Directors will be held at the time of the next SNMMI midwinter meeting. The CVC Executive Committee has developed a standing monthly meeting schedule to facilitate ongoing communication

11. Amyloid Webinars

The CVC was instrumental in obtaining an unrestricted grant from Pfizer for educational activities focused on cardiac amyloidosis. One webinar was completed in December 2020. An in-person session was planned for the Annual Meeting in 2021, but this was changed to a virtual webinar scheduled for late August 2021.

Proposed FY22 Budget and Resource Requirements

1. Summary of Financial Needs

The attached FY2022 budget summarizes the total resources needed to support the goals set forth in the business plan.

2. Resource Requirements

Ongoing SNMMI staff support, materials, technology and marketing support

Cardiovascular Council Background Overview

1. 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

2. CVC Leadership:

Officers:

		<u>Term:</u>
President:	Edward J. Miller, MD, PhD	June 2021-June 2022
President-elect:	Piotr Slomka, PhD, FACC, FCCPM	June 2021-June 2022
Vice-President Elect:	Saurabh Malhotra, MD, MPH	June 2021-June 2022
Secretary:	Karthikeyan Ananthasubramaniam, MD	July 2020 – June 2022
Treasurer:	Jamieson Bourque, MD, MHS	July 2020 – June 2022
Immediate Past-President:	Timothy Bateman, MD	June 2021-June 2022

Board of Directors:

Daniel Juneau, MD	June 2019 – June 2022
Jamieson MacDonald Bourque, MD	June 2019 – June 2022
Richard Weinberg, MD, PhD	June 2019 – June 2022
Danilo Neglia, MD, PhD	June 2019 – June 2022
Mouaz Al-Mallah, MD	June 2019 – June 2022
Erick Alexanderson Rosas, MD	June 2019 – June 2022
Saurabh Malhotra, MD, MPH	July 2020 – June 2022
Brett Sperry, MD	June 2021 – June 2022
Albert Sinusas, MD, FACC, FAHA	July 2020 – June 2023
Reimer Slart, MD, PhD	July 2020 – June 2023
Hein Jan Verberne, MD, PhD	July 2020 – June 2023
Andrew Einstein, MD, PhD	July 2020 – June 2023
Esther Choi, MD, CCD, MS	July 2020 – June 2023
Matthieu Pelletier-Galarneau, MD	June 2021-June 2024
Rene Packard, MD, PhD	June 2021 – June 2024
Diwaker Jain, MD, FACC, FSNMMI, MASNC	June 2021 – June 2024
Ed Lyons, Jr., RT, CNMT (<i>non-voting Member</i>)	June 2019 – June 2022

Intern (non-voting member)

Attila Feher, MD	June 2021 – June 2023
Krishna Patel, MD, MSc	June 2021 – June 2023

3. Current Status

Financial

As of June 1, 2021, the CVC has total revenue of \$22,837. This includes \$6,337 in membership dues and a carryover of \$16,500 from FY2021. The total projected expenses for FY2021 are \$4,563. Revenue is generated through annual meeting membership dues, which are \$20.00 per member.

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 319 active members as of July 1, 2021. The CVC voted and approved a motion to offer free in-training membership to in-training residents, in-training associate scientist and in-training technologist.

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>
1.	2020	319
2.	2019	414
3.	2018	401
4.	2017	371
5.	2016	364

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.

4. Accomplishments for FY2021

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.

SNMMI Mid-Winter Meeting 2021 (Virtual): *The CVC sponsored 1 continuing education sessions:*

1. *Hot Topics in Nuclear Cardiology: Case based review*

2021 SNMMI Annual Meeting CE and Categorical Sessions: *The CVC sponsored a robust virtual program at the 2021 Annual Meeting.*

Friday June 11:

- i. Categorical Session – co-sponsored by Physics, Instrumentation and Data Sciences Council – 10 – 2:30 EDT.

Saturday June 12:

- ii. Outstanding Educator Award & Lectureship: Panithaya Chareonthaitawee MD (At the crossroads of education of diversity: A professional and personal journey) – 3:30 – 4:30 EDT
- iii. Myocardial perfusion and technical advances (oral abstracts) – 5:30 – 6:30 pm EDT

Sunday June 13:

- iv. Continuing Educ Session: Advances in Quantitation for Nuclear Cardiology – co-sponsored with PIDSC – 2 – 3 pm EDT
- v. CVC YIA Award Session: - 5:15 – 6:15 EDT

Monday June 14:

- vi. CVC Hermann Blumgart Award and Lectureship: Rob deKemp (PET Imaging of Myocardial Blood Flow - Crossing the Translational Divide) – 6:30 – 7:30 pm EDT

Tuesday June 15:

- vii. CV Molecular Imaging (oral abstracts) – 3:15 – 4:25 pm EDT

b. Newsletter

The CVC provided informative and interesting newsletters for the council membership in 2019-2020 and maintained a web site. Communications to the CVC membership was also done through email blasts.

c. 2021 Board Meetings

A Cardiovascular Council Board of Directors meeting was held during both the SNMMI midwinter meeting. A virtual Board meeting was held on May 27, 2021. These bi-annual meetings in are purposed to discuss ongoing activities of the council.

d. Awards

The CVC presented the 2021 CVC Hermann L. Blumgart Award to Rob deKemp PhD and the Outstanding Educator Award to Panithaya Chareonthaitawee, MD

Numerous cardiovascular oral abstract and poster presentations. The CVC again organized and conducted its Young Investigator Award competition.

e. The CVC Internship Program

The 2011-2023 CVC Interns are: Attila Feher, MD and Krishna Patel, MD, MSc