

Pediatric Imaging Council Goals

Goal 1: (60% Completed)

Expand and optimize utilization of the SNMMI PIC website

SNMMI Strategic Plan Goals that relates to this goal:

- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: Organization, planning, and update phases remain in progress. Ideas for increasing content include transferring the current pediatric nuclear medicine listserv to the website (see goal #2), providing a list of current pediatric nuclear medicine publications and guidelines, and increasing the number of links to relevant pediatric nuclear medicine websites. Since the 2016 MWM, we have provide a list of current pediatric NM publications related to dose-reduction, which are included in the PIC 2016 Spring Newsletter (available on the PIC Website). The PIC Newsletter also includes links on 1) how to apply for the annual PIC investigator awards, and 2) information on the PIC internship program. (Updated: 05/09/2016)

Next Steps: Transfer the current pediatric nuclear medicine listserv to the website (see goal #2). Continue to update PIC website to include "bookmark list" to important pediatric NM publications and websites. Implementation of changes and updates will require assistance from SNMMI IT and administrative staff. (Updated: 05/09/2016)

Goal 2: (10% Completed)

Transfer legacy Pediatric Nuclear Medicine list-serve from Yahoo to the SNMMI server.

SNMMI Strategic Plan Goals that relates to this goal:

- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: Dr. Gelfand contacted the head of IT to coordinate the transfer, but this project has not moved forward since then. (Updated: 05/02/2016)

Next Steps: Coordinate schedules of Society IT staff and Dr. Gelfand to work on the transfer of the current listserv to the SNMMI server. (Updated: 05/02/2016)

Goal 3: (95% Completed)

Further refine the consensus guidelines for pediatric nuclear medicine as part of the Image Gently dose reduction initiative

- a. Expand the consensus guidelines to include recommendations for additional radiopharmaceuticals
- b. Assess effectiveness of initial dose recommendations and consider possible modifications of some existing dose recommendations
- c. Continue to encourage international participation with consensus development, especially with the EANM Paediatric Dose Card
- d. Produce pediatric-specific CT protocol recommendations for hybrid imaging

SNMMI Strategic Plan Goals that relates to this goal:

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

Current Progress: a. Pediatric Nuclear Medicine Dose Reduction Working Group has developed consensus guidelines for recommended pediatric administered activities for additional radiopharmaceuticals, including Tc-99m-ECD/HMPAO, Tc-99m-sestamibi/tetrofosmin, I-123, Tc-99m-pertechnetate, Tc-99m-RBC, and Tc-99m-WBC). These guidelines have been finalized and submitted to the PIC BOD for endorsement. The Working Group is scheduled to meet again at the 2016 Annual Meeting. b. Investigators, including FH Fahey and others have published results on effectiveness of global dose recommendations. Promulgation of guidelines and associated PR program appear to have had a positive effect on dose optimization and procedure standardization in pediatric nuclear medicine. - Fahey FH et al. Standardization of Administered Activities in Pediatric Nuclear Medicine Part 2: A Report of the First Nuclear Medicine Global Initiative. J Nucl Med March 31, 2016. - Fahey FH et al. Standardization of administered activities in pediatric nuclear medicine: a report of the first nuclear medicine global initiative project, part 1-statement of the issue and a review of available resources. J Nucl Med. 2015 Apr;56(4):646-51. c. EANM and North American guidelines were "harmonized" prior to this summer. The new version of "harmonized" Consensus Guidelines were published (Lassmann M, Treves ST. Eur J Nucl Med Mol Imaging, 2014;41:1036-1041. and Treves ST, Lassmann, M. J Nucl Med 2014;55:869-870). Poster "Update to the North American Guidelines" appeared in the first page of the J Nucl Med issue in August 2014 and in Dec 2014 issue of JNM. FD Grant has published a comparison of the two guidelines (Grant FD et al. Radiation doses for pediatric nuclear medicine studies: comparing the North American consensus guidelines and the pediatric dosage card of the European Association of Nuclear Medicine. Pediatr Radiol (2015) 45:706-713) (Updated: 05/09/2016)

Next Steps: a-c. After endorsement by the PIC BOD, these guidelines will be submitted to the SNMMI BOD for endorsement (planned for AM 2016). Goals 3 a-c will be merged with Goal 4. (Updated: 05/09/2016)

Goal 4: (90% Completed)

Continue collaboration with the Image Gently program of the Alliance for Radiation Safety in Pediatric Imaging to promote methods of dose reduction

SNMMI Strategic Plan Goals that relates to this goal:

- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: Members of the PIC continue to actively collaborate with the Image Gently campaign. (Updated: 01/04/2016)

Next Steps: Continue this productive collaboration, including providing updated "Pediatric Radiopharmaceutical Dose Guidelines" (Updated: 05/02/2016)

Goal 5: (10% Completed)

Make recommendations for post-therapy care and home precautions for pediatric therapy patients and children of adult therapy patients

SNMMI Strategic Plan Goals that relates to this goal:

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

Current Progress: This goal remains in the early planning stages. As some key opinion leaders were not present at the 2016 Mid-Winter Meeting, the planning meeting did not take place. There will be therapy-related CME sessions at the upcoming SNMMI Annual Meeting, and we hope to re-ignite interest in this topic and form a working-group. Categorical Course (Saturday, June 11, 8:00am-4:00pm, Room 30DE), "Theranostics' Beyond Neuroendocrine Tumors: Novel Applications of Targeted Radionuclide Therapy in Malignant and Nonmalignant Conditions": 10:40am: Radioiodine Therapy for Thyroid Cancer – Douglas van Nostrand, MD 11:40am: I-131-MIBG Therapy of Neuroblastoma – Suzanne Shusterman, MD AND: ? CE30: Radionuclide Therapy in Children and Young Adults (Monday, June 13, 10:00am- 11:30am, Room 20BC) (Updated: 05/09/2016)

Next Steps: At the 2016 Annual Meeting, an informal planning meeting of PIC members with a particular interest in radioiodine therapy will do preliminary planning to achieve this aim. (Updated: 05/02/2016)

Goal 6: (100% Completed)

Participate in American College of Radiology Practice Parameter review

SNMMI Strategic Plan Goals that relates to this goal:

- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: Members of the PIC continue to participate in development/revision of ACR Practice Parameters to contribute content reflecting best practices in pediatric nuclear medicine. Most recently, members of the PIC participated in updating the Practice Parameter for renal imaging and provided substantial input regarding renal imaging in children and young adults. (Updated: 05/02/2016)

Next Steps: Encourage continued participation by members of the PIC. (Updated: 05/02/2016)

Goal 7: (100% Completed)

Begin presentation of the recently approved Conway-Treves Senior Investigator Award

SNMMI Strategic Plan Goals that relates to this goal:

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: At the 2015 Annual Meeting, the first Conway-Treves Award was presented to Dr. Michael Gelfand. (Updated: 01/04/2016)

Next Steps: An awards committee chaired by the PIC immediate past president will choose the next recipient of this award. This award will be awarded every other year. (Updated: 05/02/2016)

Goal 8: (100% Completed)

Continue presentation of the recently approved Majd-Gilday Young Investigator Award

SNMMI Strategic Plan Goals that relates to this goal:

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: The Majd-Gilday Young Investigator Award has been presented at the last two annual meetings. (Updated: 01/04/2016)

Next Steps: Under the auspices of an award committee chaired by the Immediate Past President of the PIC, the Majd-Gilday Young Investigator Award will be awarded to a recipient chosen from among young investigators submitting an abstract for presentation at the annual meeting. A recipient has been chosen from the abstracts submitted for the 2016 Annual Meeting and will be awarded as part of the YIC session at the annual meeting. (Updated: 05/02/2016)

Goal 9: (100% Completed)

Continue preparation of a Pediatric Imaging Council newsletter

SNMMI Strategic Plan Goals that relates to this goal:

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: A newsletter is prepared annually and describes the current activities of the PIC. The most recent issue of the PIC newsletter was Spring 2016 published in April. (Updated: 05/09/2016)

Next Steps: An annual newsletter is prepared for members of the Council under the supervision of the Vice-President of the Council. (Updated: 05/02/2016)

Goal 10: (0% Completed)

Develop, maintain, and update materials for a pediatric module for maintenance of certification (MOC), as part of the SNMMI goal of Lifelong Learning; also provide pediatric materials for other MOC modules (Renal & GI)

SNMMI Strategic Plan Goals that relates to this goal:

- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: This Goal is on hold while we await final word from ABNM on changes in the MOC process. (Updated: 05/02/2016)

Next Steps: Await ABNM release of changes in the MOC process. Then, as a Council we can determine what our best role will be to serve our members. (Updated: 05/02/2016)