NCI Workshop on Dosimetry of Systemic Targeted Radiopharmaceutical Therapy (TRT)
Rockville, MD, April 19-20, 2018

Day 1: April 19

8:00 am       Opening Remarks
               C. Norman Coleman, Bhadrasain (Vik) Vikram, Jacek Capala

Presentations and Discussions

8:15 am       Current Status of TRT
               Sara St. James & Bonnie Clarke
               • Approved treatments
               • Clinical trials

9:00 am       Currently Applied TRT Dosimetry Methods/Approaches
               Stanley Benedict & Emilie Roncali
               • Advantages and limitations of methods used in clinical practice

9:45 am       Available TRT Dosimetry Methods/Approaches
               Bryan Bednarz & George Sgouros
               • New methods that are ready for clinical application
               • The advantage over the methods currently used in the clinic
               • How they might improve the clinical outcome?
               • The reasons they are not used

10:30 am      Break

10:45 am      TRT Dosimetry Methods/Approaches under Development
               Yuni Dewaraja, Wesley Bloch, Roger Howell
               • The advantage over the methods that have been already developed
               • How they might further improve the clinical outcome?
               • What are the simplest possible methods to reduce the stress of going through additional procedures before already very difficult TRT?

11:30 am      Desired SRT Dosimetry Methods/Approaches
               Daniel Pryma & Richard Wahl
               • A visionary presentation of a clinician’s wish list
               • Expected improvements of the outcome

12:15 pm      Lunch and Poster Session
1:30 pm  Panel Discussion  
Pat Zanzonico, Ying Xiao, Stanley Benedict, George Sgouros  
- What are barriers to introduction of robust radiation dosimetry methods to TRT?  
- What is the best strategy to overcome them and demonstrate that dosimetry for TRT will improve patient care?  
- Design of relevant clinical trials

3:00 pm  Break

3:15 pm  Good dosimetry practices  
Eric Frey

Dosimetry Needs and Methods for TRT using:

4:00 pm  I-131  
Steve Larson & Joe Grudzinski

4:30 pm  Y-90  
Yuni Dewaraja, Emilie Roncali, Mark Madsen

5:00 pm  Lu-177  
Yuni Dewaraja & Eric Frey

5:30 pm  Sm-153  
Robert Hobbs

Day 2: April 20

8:00 am  Alpha emitters-specific dosimetry issues (overview)  
George Sgouros

Dosimetry Needs and Methods for TRT using:

8:30 am  Ra-223  
John Humm

9:00 am  Pb-212  
Michael Ghaly & Mark Madsen

9:30 am  Ac-225  
Saed Mirzadeh & David Morse

10:00 am  Break
10:30 am    Bi-212
George Sgouros

11:00 am    At-211
Gamal Akabani

11:30 am    Th-227
Wesley Bloch

12:00 pm    Meeting summary and discussion of the resulting publications
Jacek Capala & Stanley Benedict