

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Tentative Agenda

Radiation Exposures from Imaging and Image Guided Interventions Eighth Annual Gilbert W. Beebe Symposium

Wednesday, December 9, 2009

Chair: Dr. Hedvig Hricak, Memorial Sloan Kettering

Co-Chair: Dr. David Brenner, Columbia University

8:15-8:30 am **Welcome and Introduction**

Jim Adelstein

Session I: Sources of Exposure

8:30–9:00 am **Overview of Medical Usage Patterns**

Fred Mettler, University of New Mexico

9:00–9:30 am **Interventional Radiology**

Louis K. Wagner, University of Texas Medical School

9:30–10:00 am **Radiation Doses in Radiology: Influence of Regulations and Standards**

Orhan Suleiman, Food and Drug Administration

10:00-10:30 am **Break**

Session II: Risk

10:30-11:00 am **Factors Influencing Risk**

Eric Hall, Columbia University

11:00-11:30 pm **Ongoing Epidemiological Studies**

Mark Pearce, Newcastle University, UK

11:30-12:00 pm **Architecture and magnitude of doses received during medical procedures**

Roger Howell, University of Medicine and Dentistry of New Jersey

12:00-12:30 pm **Discussion**

12:30-1:30 pm **Lunch**

Session III: *Potential Dose / Risk Reduction*

1:30-2:00 pm **Technological Advances**

Cynthia McCollough, Mayo Clinic

2:00-3:00 pm **Best Practices / Pre-authorization / Decision Rules / Appropriateness Criteria**

Hedvig Hricak, Memorial Sloan Kettering

James Thrall, Massachusetts General Hospital

3:00-3:30 pm **Image Gently: A Template for Change**

Don Frush, Duke University

3:30-4:00 pm **Summary**

David Brenner, Columbia University

4:00-4:30 pm **Discussion**

All participants