CONFERENCE REPORT

RADIATION INJURY TRANSPLANT NETWORK (RITN)

Date: February 10, 2007

Participants: Edwin Alyea, Robyn Ashton, Bette Braem, Mark Brunvand, Nelson Chao,

Dennis Confer, Mort Cowan, Stella Davies, Becky Drexler, Marcos de Lima, Robert Hartzman, John M. Hill Jr., Tia Houseman, Chatchada Karanes, Armand Keating, Amelia Langston, Brett Loechelt, Margaret MacMillan,

Karen Manion, Maiers Martin, Thomas Price, Michael Pulsipher, George Selby,

Thomas Shea, Marcel van den Brink, David Weinstock, Dan Weisdorf,

Peter Westervelt, Ann Woolfrey and Andrew Yeager

Staff Liaisons: Cullen Case Jr. and Robert Krawisz

Copies to: George Alexander, Jim Armitage, Judith Bader, Bob Baitty, Joel Brochstein,

John Chute, Norm Coleman, John Dipersio, Richard Hatchett, Nancy Kernan,

Naynesh Kamani, Roberta King, Joanne Kurtzberg, Kennetyh Meehan, Shin Mineishi, Robert Negrin, David Porter, Farag Sherif, Keith Stockerl-Goldstein, Shelly Tims

and Jamie Waselenko

The meeting was called to order by Dr. Dennis Confer at 2:40 p.m. Mountain Standard Time. This report summarizes the information that was gathered and the agreements that were reached:

1. Welcome and Introductions

Following introductions, Drs. Confer and Chao set the stage for the meeting by referring to a recent article on an international nuclear smuggling scandal. It was revealed that a Russian man has been caught selling 100 grams of highly enriched weapons-grade uranium on the open market that could have easily been used in a dirty bomb (radiological dispersal device), or with another 5-9 Kg of the material it could have been made into an improvised nuclear device. The man was arrested in a "sting" operation orchestrated by the FBI and the Georgian secret service last year, though details have only just become public. The scandal raises fresh questions about the security of nuclear materials. It also was pointed out that the IEA Web site contains many other documented reports on attempts to sell weapons grade uranium.

Dr. Chao clarified the role of the Radiation Injury Transplant Network. He indicated that RITN members are not first responders. RITN's role is to treat patients that incur marrow suppressive injuries during an accident or terrorist attack that have been triaged out of the area.

2. RITN Resources

- 2-1 Dr. Chao explained the capabilities of the Radiation Event Medical Management Web site (http://www.remm.nlm.gov). Participants were asked to review the prototype for adult medical facility orders, the medication list and the other major components of the site (below). This information will be placed on CDs and cards.
 - What Kind of Emergency
 - Initial Events Activities
- Patient Management
- Management Modifiers

- Other Audiences
- About This Site

- Tools and Guidelines
- Reference Data Center
- 2-2 The National Library of Medicine (http://www.nlm.nih.gov) Web site also was recommended as a resource. It can be used to secure supplemental information, such as optimum ways to estimate doses.
- 2-3 The RITN site has been developed. It contains the following information components:
 - RITN Background Presentation
 - RITN Participating Centers
 - RITN Meeting Minutes
 - RITN Donor Search Criteria
 - RITN ARS Treatment Guidelines
 - RITN Data Collection Protocol
 - Aplastic Anemia Protocol
 - RITN DC SOP Template
 - RITN TC SOP Template
 - HHS Radiation Event Medical Management (REMM) Adult Hospital Orders
 - National Planning Scenarios

This information is currently imbedded in the NMDP Network Web site and is password protected. It will be moved to a public Web site by the end of March.

2-4 RITN will develop a train the trainer program for transplant centers. Cullen Case will announce the availability date.

3. RITN Name Change

The name Radiation Injury *Transplant* Network was changed to Radiation Injury *Treatment* Network to make the organization more compatible for collaboration with other groups. The acronym remains the same.

<u>MOTION</u>: (Woolfrey - Keating) Change the name of the RITN to Radiation Injury Treatment Network. – CARRIED

4. Pediatric Medical Facility Orders

Dr. Ann Woolfrey presented draft pediatric medical facility orders with dosing instructions. A copy of this document will be sent to RITN participants by Cullen Case.

5. NMDP and Cancer Centers meeting -- January 24, 2007

Dr. Confer reviewed the HHS PowerPoint presentation "Medical Response and Preparation for a Radiological/Nuclear Event" that was presented at the NMDP and Cancers Centers meeting on January 24, 2007.

5-1 The presentation covered the organization chart for the Office of Assistant Secretary for Preparedness and Response, radiological/nuclear threat scenarios, the Triage CONOPS & MEDMAP project and next steps for the NMDP and Cancer Centers Group. In the Triage CONOPS & MEDMAP schematic, RITN is represented by the outside facilities and expert centers category.

5-2 A copy of this PowerPoint presentation will be sent to RITN participants by Cullen Case.

6. Memorandum of Understanding

On January 24, Dr. Confer sent HHS a memorandum of understanding which covers linkages between the RITN, United States Department of Health and Human Services and the Office of Preparedness and Emergency Operations,. It was prepared by Brian Lindberg, NMDP's contract officer. The purpose of the MOU is to continue to develop and expand a framework of cooperation between RITN and OPEO toward development of a mutually beneficial, nationwide program to provide comprehensive evaluation and treatment of victims of radiation exposure or other marrow toxic injuries. In addition, the MOU will provide documentation of RITN's official standing.

7. Data Collection

It was pointed out that if a disaster happens, participating transplant centers must to be prepared to collect data on victims. Draft instruments have been prepared. Highlights are covered in Dr. Weisdorf's presentation on "Protocol for Data Collection Following Marrow Toxic Injury" (refer to *Data Collection* handout from the August 31 meeting).

It is recommended that transplant centers submit the IRB approved *NMDP Model Protocol* for a Research Database as part of their application during the next renewal cycle.

8. Conditioning for HSCT After a Radiation or Marrow Toxic Exposure

Dr. Weisdorf presented a review of conditioning considerations for patients following a radiation or marrow toxic exposure. It was emphasized that patients with a 4 to 9 Gy exposure should be considered for a hematopoietic stem cell transplant.

A copy of Dr. Weisdorf's PowerPoint presentation will be sent to RITN participants by Cullen Case.

9. Adjournment

There being no further business, the meeting was adjourned at 3:45 pm Mountain Standard Time. The next RITN meeting will be scheduled in July or August 2007.

Submitted by: Bob Krawisz