



ST. JOHN MACOMB-OAKLAND HOSPITAL
Macomb Center

January 1, 2012

US NRC
Materials Licensing Branch
2443 Warrenville Rd, Suite 210
Lisle, IL 60532-4352
ATTN: License Amendment

RE: Training for Dr. Philip Adler, MD

Dear Sarah Forester:

This is to confirm Dr. Philip Adler, MD is an interventional radiologist who meets the training and experience guidelines as follows:

- 1) He is ABR certified, his paperwork is attached.
- 2) He also has three years of clinical experience in diagnostic radiology and one additional year of supervised clinical experience in interventional radiology.
- 3) He has 80 hours of classroom and laboratory training, which I – St. Johns Radiation Safety Officer will confirm for byproduct material, including Y-90 microspheres in:
 - a. Radiation physics and instrumentation
 - b. Radiation protection
 - c. Mathematics pertaining to the use and measurement of radioactivity
 - d. Radiation biology and
- 4) Has done the training with SIR-spheres – this paperwork will be sent by them as you are aware.
- 5) He has successfully completed training in the operation of the delivery system, safety procedures, and clinical use for each type of Y-90 microsphere for which authorization is sought by the Y-90 microsphere manufacturer.
- 6) I confirm I will assure Dr. Philip Adler, MD will commit to complete at least the first three hands-on patient cases supervised in the physical presence of a manufacturer representative for each type of Y-90 microsphere for which authorization is sought. I, or my representative, will also be present at each of these treatments to assure they are completed in compliance.
- 7) I agree I will submit documentation from the manufacturer to the appropriate NRC office within 30 days of when these three patient cases have been satisfactorily completed.
- 8) I agree I will commit to providing training in the licensee's procedures to all individuals involved in Y-90 microsphere use, commensurate with the individuals' duties to be performed. This training has already started with required staff to all individuals preparing, measuring, performing dosimetry calculations, or administering Y-90 microspheres.

If I have forgotten any aspect of the requirements you requested of me, please email and I will respond promptly at lsphysics@att.net.

The proposed changes to our radioactive material medical use program have been approved by the Radiation Safety Committee.

Sincerely,


Laura T. Smith, MS, DABR
Radiation Safety Officer

lsphysics@att.net
pager 313 609-2038

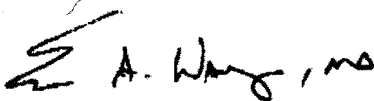
Dr Philip Adler, MD
Chief, Interventional Radiology
St John Macomb- Oakland Hospital
11800 E. 12 Mile Road
Warren, Michigan 48073
CC: RSO St John Macomb

This letter certifies that you have been trained by me in the following aspects of Y90 radioembolization on January 23, 2012:

- a) Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys;
- b) Performing quality control procedures on instruments used to determine the activity of Y-90 microspheres and performing checks for proper operation of survey meters;
- c) Evaluation of each patient or human research subject for the dose/activity of Y-90 microspheres to be administered to each treatment site;
- d) Calculating and measuring the activity and safely preparing the Y-90 microspheres to be delivered to the patient or human research subject;
- e) Using administrative controls to prevent a medical event involving the use of byproduct material;
- f) Using procedures to control and to contain spilled byproduct material, including Y-90 microspheres, safely and using proper decontamination procedures; and
- g) Follow up and review of each patient's or human research subject's case history for Y-90 microspheres.

I am an Authorized User for Y90 radioembolization at Carolinas Medical Center in Charlotte, NC and a Sirtex Proctor.

Sincerely,



Eric A. Wang, MD

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine*

Hereby certifies that

Philip Avery Adler, MD

*Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology*

On this third day of June, 1938

*Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of*

Diagnostic Radiology



Irish S. Cameron, MD.
President

R. P. Hatten, MD
Secretary-Treasurer

M. F. C. , M.D.
Executive Director



Certificate No. 43812