



University of Pennsylvania Health System

October 23, 2006

Leonard Shabason, Ph.D.
Radiation Oncology
Pennsylvania Hospital
800 Spruce Street
Philadelphia, PA 19107

Sandra Gabriel, PhD
Senior health Physicist
U. S. Nuclear Regulatory Commission
Division of Nuclear Safety
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: License Number 37-06864-06
Gamma Knife

Dear Dr. Gabriel:

This letter is in response to your request for clarification of our policies dated October 17, 2006.

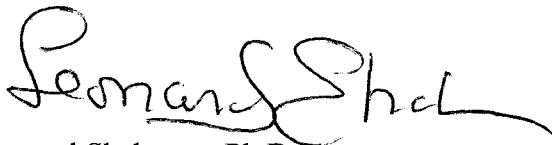
We will increase our monitoring of patients during treatment particularly those who appear agitated. Any suspicion that the patient's movements may lead to harm to the patient or that they may become free of the stereotactic frame will be cause for immediately pausing the treatment. The patient will be examined to insure that they still are firmly in place and have not been harmed in any way. If the patient is free of the frame, the treatment will be halted and the physicians will decide whether it is possible to reframe and re-image in order to complete the treatment. The attending physicians are responsible to assess whether the patient's mental status is such that the treatment may proceed.

Prior to any future "three pin" procedures, the patient's mental status and ability to comply with the movement restrictions required by the procedure. Nonetheless, the patient will be carefully monitored during the placement with the understanding that the patient's mental status may change due to medication or the anxiety associated with the actual treatment.

We have also decided that all available patient images should be reviewed prior to framing. This should permit the frame placement to be optimized to minimize the likelihood of considering the removal of a pin and post.

Please contact me if you have any additional question about this incident.

Sincerely,

A handwritten signature in black ink that reads "Leonard Shabason". The signature is written in a cursive style with a long horizontal flourish at the end.

Leonard Shabason, Ph.D.
Radiation Safety Officer