ZD6474 Dry Run Guidelines

GENERAL

A complete patient data set as specified by the treatment protocol is to be submitted to the ITC to demonstrate compliance with technical requirements. **A separate dry run test MUST be performed for each IMRT planning system used.**

The Dry Run test for this study is a test of digital data submission capabilities as well as a test of protocol understanding and compliance. The system for which you are going to plan patients on this study using IMRT should be used for this dry run test.

There is no requirement that the patient whose data is used for the Dry Run test be treated according to the protocol. This test set can be from a data set for a patient who was previously seen and/or treated (in some other fashion). The only requirement is that the CT scan be close to protocol compliant and the tumor/target volumes and critical normal structure contours be defined in compliance with the protocol and that protocol compliant treatment plans be generated and the appropriate data submitted to the ITC. Any protocol immobilization device requirement is waived for this test data set. All patient identifying data for the Dry Run test data should be removed before submission to protect patient confidentiality.

PRESCRIPTION and CONTOURING

One of the most important aspects of the Dry Run test is to fully understand the prescription and properly use this prescription in you Dry Run treatment plan and subsequent patient treatment plans. In order for the prescription to be relevant the contouring must be done correctly as indicated in the protocol. The contouring will be reviewed centrally for protocol compliance as well.

DIGITAL DATA

Digital patient treatment planning data must be submitted in digital format to the ITC. This digital data must comply with one of two possible formats:

- RTOG Specification for Tape/Network Format for Exchange of Treatment planning Data, Version 3.20, or later; or
- DICOM 3.0 in compliance with the ITC's DICOM 3.0 Conformance Statement

Contact the ITC if you have any questions about either of these formats or your RTP systems ability to comply with these requirements.

Using either of the formats identified above, the following data must be submitted to the ITC:

1) Nearly protocol compliant CT scan series
2) Contours for all critical normal structures, GTV, CTV and PTVs
3) Beam geometry (Not required for IMRT cases);
5) Dose matrix for all fraction groups treated.
6) DVH's (see Dose-Volume Histogram Evaluation below) for the total dose of all dose distributions submitted for item 3 (summed fraction groups from item 5) for PTVs and all critical normal structures. (**Note:** DVHs are only required for total dose, not for individual fraction groups);

HARD COPY DATA

6) Three hard copy isodose distributions for the total dose plan in absolute dose. The isodose images must be color isodoses superimposed on gray scale CT anatomy and must include one axial, one sagittal and one coronal through the target volume.

7) Completed Digital Data submission information form.