

## SBRT Protocols

1. A Facility Questionnaire describing institutional personnel, equipment, and treatment techniques must be submitted to the Image-guided Therapy QA Center (ITC).

Image-guided Therapy Center  
Attn: Roxana Haynes  
4511 Forest Park Ave., Suite 200  
St. Louis, MO 63108  
E-mail: [itc@castor.wustl.edu](mailto:itc@castor.wustl.edu)  
Phone: 314-747-5415  
FAX: 314-747-5423
2. **Dry Run (Benchmark) Test:** Contact the ITC ([itc@castor.wustl.edu](mailto:itc@castor.wustl.edu)) and request an FTP account for digital data submission. A complete patient data set as specified by the treatment protocol must be submitted to the ITC to demonstrate compliance with 3D technical requirements (see Dry Run Guidelines at <http://atc.wustl.edu/protocols/>).
3. **Immobilization/Localization and Respiration Control Systems Test:** A patient imaging study must be carried out to document the setup reproducibility for their choice of immobilization and/or localization equipment. Respiration control is another important part of this study, and all measurements carried out for this portion of the credentialing process must be gathered in such a way that the institution's method of respiration control is evaluated at the same time. That is, the images used for determining setup reproducibility must be obtained under the conditions that will be used for actual patient treatment for this protocol. (see procedure for this test at <http://atc.wustl.edu/protocols/>).
4. **Phantom Dosimetry Test:** A TLD/Film dosimetry - treatment plan verification phantom experiment must be conducted. Contact the Radiological Physics Center (<http://rpc.mdanderson.org/rpc/>) to arrange to receive a phantom. The phantom is to be scanned and treated according to RPC instructions. Phantoms (including TLDs and films) are to be returned to the RPC. The corresponding treatment planning digital data are to be submitted to the ITC.