

September 15, 2011

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TO: ALL SWOG MEMBERS, CCOP AND AFFILIATE RADIATION ONCOLOGISTS

FROM: Matthew "Matt" J. Lozano, Protocol Coordinator

RE: INSTRUCTION Study (In Silico Trial to Reduce Uncertainty in Contouring Through Instruction Optimization)

MEMORANDUM

Study Coordinator: Charles R. Thomas, Jr., M.D.
Phone number: 503/494-8758
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IRB Review Requirements

- () Full board review required. Reason:
 - () Initial activation (should your institution choose to participate)
 - () Increased risk to patient
 - () Complete study redesign
 - () Addition of tissue banking requirements
 - () Study closure due to new risk information
- () Expedited review allowed
- () No review required

MEMORANDUM

SWOG has demonstrated a commitment to executing the highest quality of clinical trials, and this extends to our efforts in radiation therapy (RT). As intensity modulated radiotherapy (IMRT) has become a standard for many cancer sites, we must constantly strive to ensure that clinical trials reflect the current state-of-the-art radiation oncology.

The SWOG RT Committee, and our colleagues at QARC, would like to invite you to participate in a prospective study designed to evaluate how we can best account for multimodality (PET-CT, 4DCT) imaging in future clinical trials. The study, called INSTRUCTION (**In Silico Trial to Reduce Uncertainty in Contouring Through Instruction Optimization**), will help SWOG evaluate how we can modify protocol instructions to improve RT plan quality and minimize variability in target delineation in the cooperative group setting.

Radiation oncologist physicians from SWOG member institutions are highly encouraged to participate in this study, which entails contouring target and normal structures on 4 standardized DICOM multimodality imaging datasets using an approved radiotherapy instruction set/protocol. Then, after central analysis, a second re-contouring phase will be performed using instructions optimized on the initial submitted contours.

Thanks to the generous support of The Hope Foundation, study investigators who successfully submit all 8 cases (4 cases x 2 collection phases) will receive a \$400 honorarium for study participation.

The SWOG RT committee thanks you in advance for your participation.

The study website can be found on the SWOG website at <https://swog.org/Visitors/Links.asp> or also on the QARC website at http://www.qarc.org/swog_Lung_target_project.htm and you can begin participating immediately.

For technical support questions or assistance with study participation, please contact FLaurie@QARC.org. For all other questions please contact the study chair at thomasch@ohsu.edu.

cc: Paul Okunieff, M.D.
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