Avoiding Common Pitfalls in Credentialing for NCI Sponsored Clinical Trials

What is credentialing?

- Verifying an appropriate level of competency
- Applies to institutions, radiation oncologists, physicists, TPS or treatment modality

Purpose of Credentialing

- Educate
- Evaluate ability to deliver dose
- Improve understanding of protocol
- Improve treatment delivery
- Goal is to reduce deviation rates
IROC credentialing
- Facility Questionnaire
- Knowledge Assessment Questionnaire
- Benchmark Cases
- Electronic data submission
- 1st patient Pre-Treatment
- Phantoms

Give yourself time!
Time to get a phantom
(many weeks)
Time to irradiate
(2 weeks)
Time for analysis
(1 month)

Learn our website
irochouston.mdanderson.org
Protocol Credentialing Requirements

1270. RCT04058/001 (NeoAdjuvant Study: A Phase II Trial of Pre-Surgical Stereotactic Radiosurgery (SRS) Combined With Whole Brain Radiotherapy (WBRT) for Selected Metastatic Brain Disease

1304. A Randomized Phase III Clinical Trial Evaluating Post-Mastectomy Chemotherapy and Regional Nodal Irr and Post-Adjuvant Regional Nodal Irr in patients with Positive Axillary Nodes before Neoadjuvant Chemotherapy who consent to Pathologically Negative Axillary Nodes after Neoadjuvant Chemotherapy

1306. A Randomized Phase II Study of Induction Chemotherapy and/Or Radiation Therapy for Stage III Non-Small Cell Lung Cancer

Protocol Credentialing Requirements

Requesting a Phantom

Please complete the following form to request a Phantom and submit it to the IROC Clinical Trial Quality Assurance team.
Data Submission

TRIAD
Listen to Ying’s talk!

VMAT/IMRT
VMAT delivery no longer requires another phantom irradiation

Machine Types
Group can be covered under one irradiation:
Traditional C-arm units
(ie your Varian unit is covered by your Elekta irradiation)

Separate credentialing required:
Tomotherapy
CyberKnife
Other non-standard units
NSABP B-51/RTOG 1304
Lowenstein et al poster
SU-E-T-311

Re-credentialing
Not required
New version of TPS
New delivery mechanism on same unit

Encouraged; Not required
New TPS
New machine

Required
Different type of machine (Tomo/CK)
FFF beams

These are general rules; individual protocol could vary from these guidelines!

Satellites
Decided on a case by case basis

Modality (HN phantom)
Physics group
Physician group
Machine type
Delivery method
Planning system
Within 5 years at first association
Satellites continued
Decided on a case by case basis

Heterogeneity/motion (lung phantom)
Add to previous:
Motion management algorithm

Limit of 5 sites covered by 1 irradiation

IGRT
Now by site
(IROC Philly-RT)
H&N
Thorax
Abdomen
Extremities

MD Anderson Phantom Lab phantoms?
Phantoms previously irradiated through MDAPL for QA purposes can be applied to future credentialing needs.
Thank You

Work supported by PHS grants CA10953 and CA081647 (NCI, DHHS).