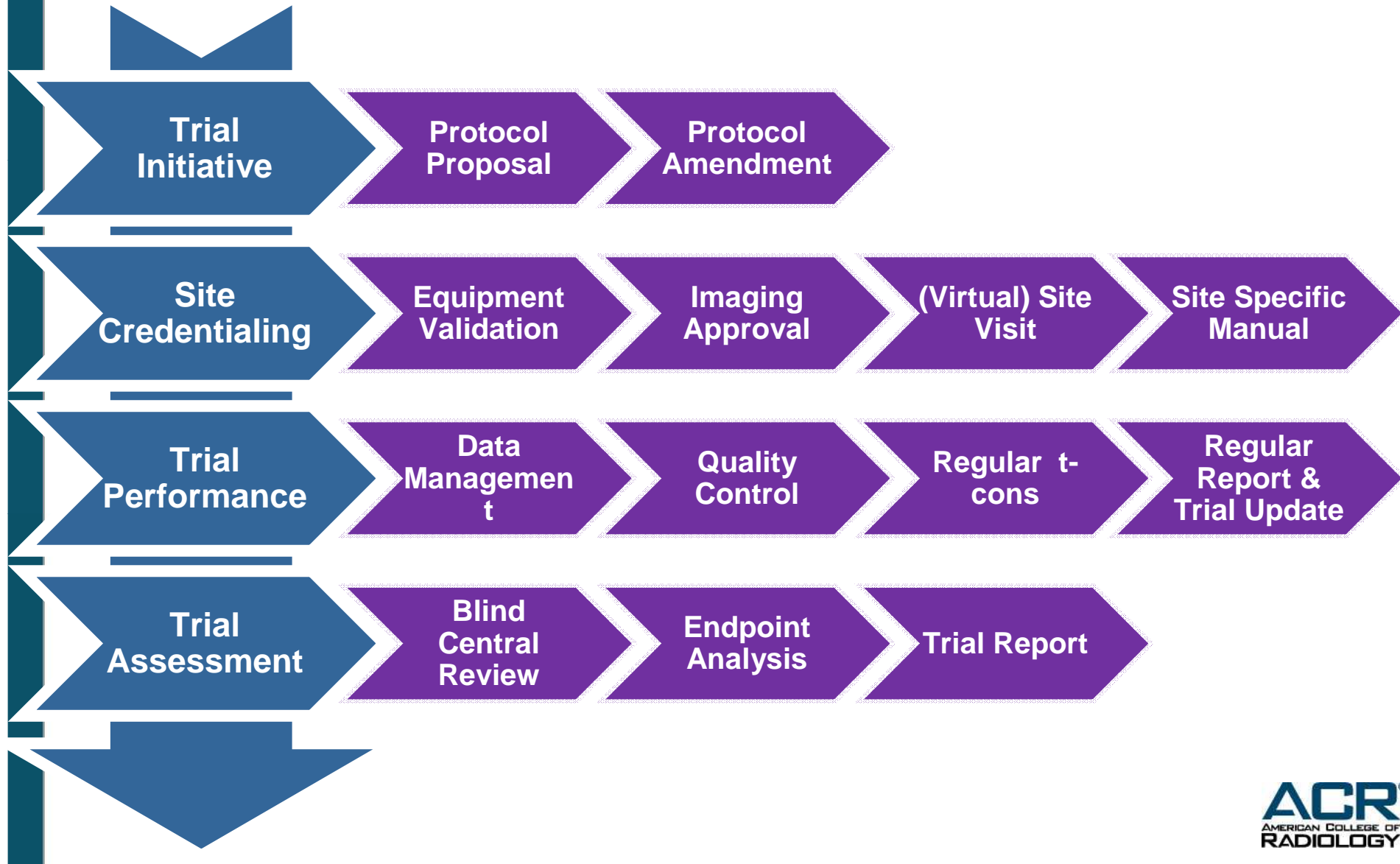


Key Elements for Image Exchange

- Friendly applications
- Minimum time required for training
- 24/7 availability to readers
- Minimal need for on-site personelle availability
- Ability to accommodate multiple readers
- High upload and navigation speed
- Security, compliance
- Less cost Friendly applications

Trial Implementation - Quality Assurance- Interpretation

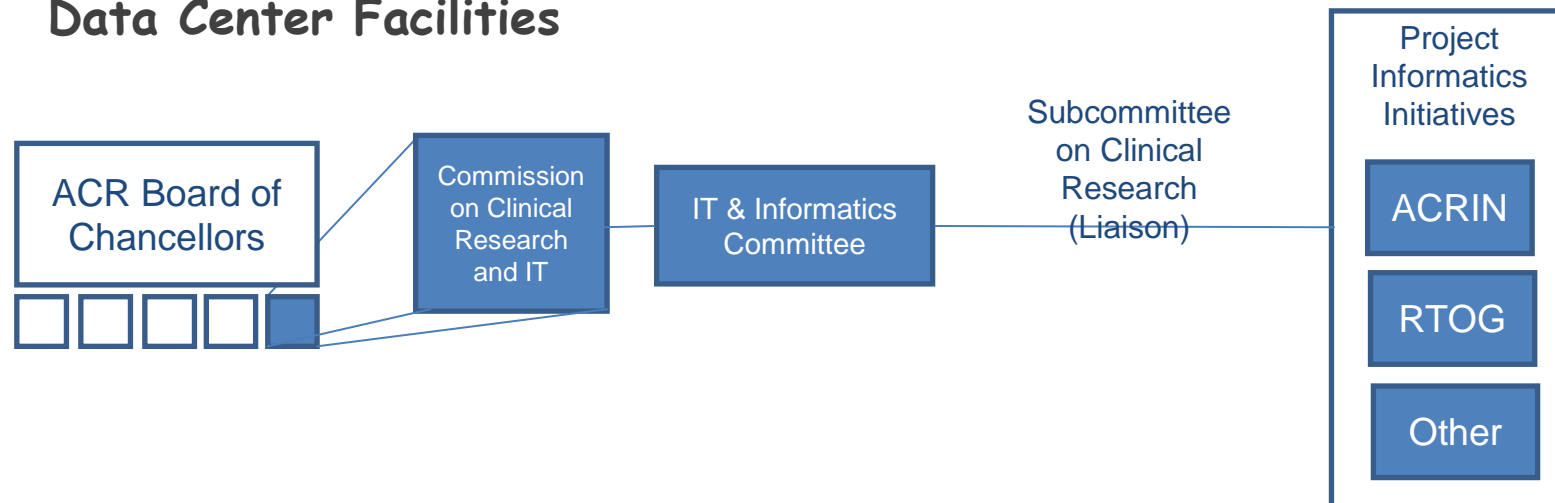


ACR Clinical Research Center Imaging IT Infrastructure

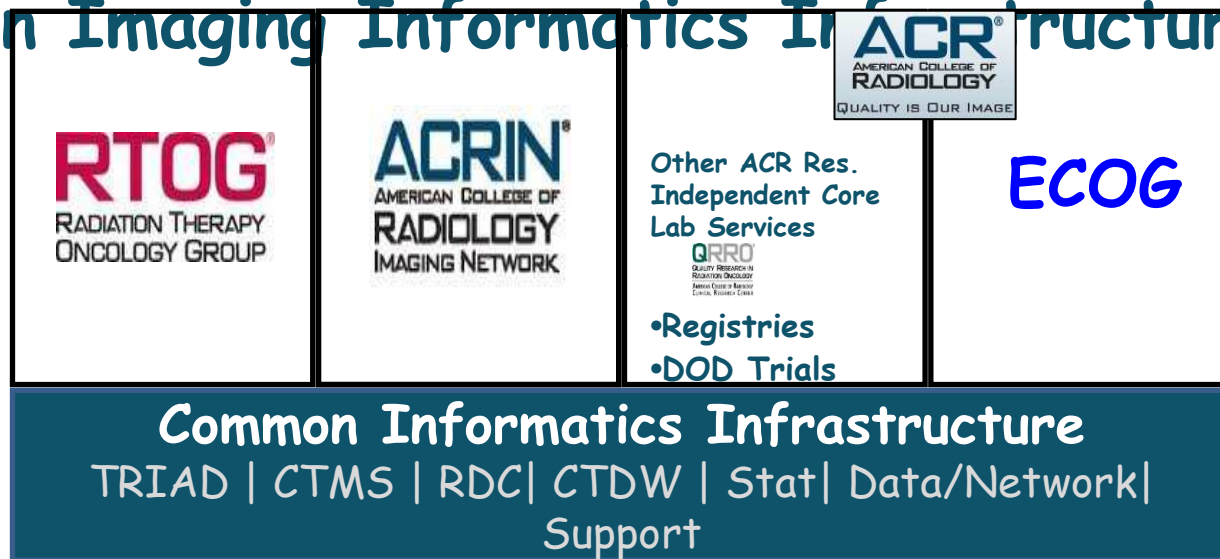
*Enables analyses by providing an application for every
modality, interconnected by a single infrastructure.*

ACR IT Resources

- ~ 55 full-time staff in 2 separate offices
- Onsite Contractors
- Offshore Contractors in Moscow, Russia; Hyderabad, Kerala India
- Vendor Development Partners (e.g. Siemens, Microsoft, Clario Med)
- Data Center Facilities



Common Imaging Informatics Infrastructure

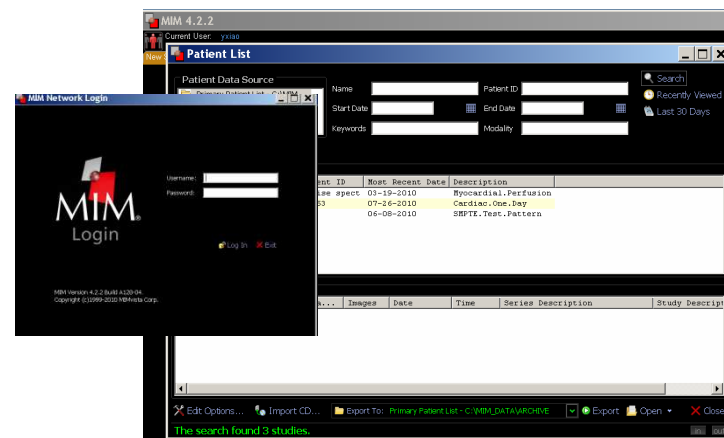


- Common imaging informatics infrastructure supporting a diverse portfolio of projects
- Variety of tools with an emphasis on inter-operability and interconnectivity

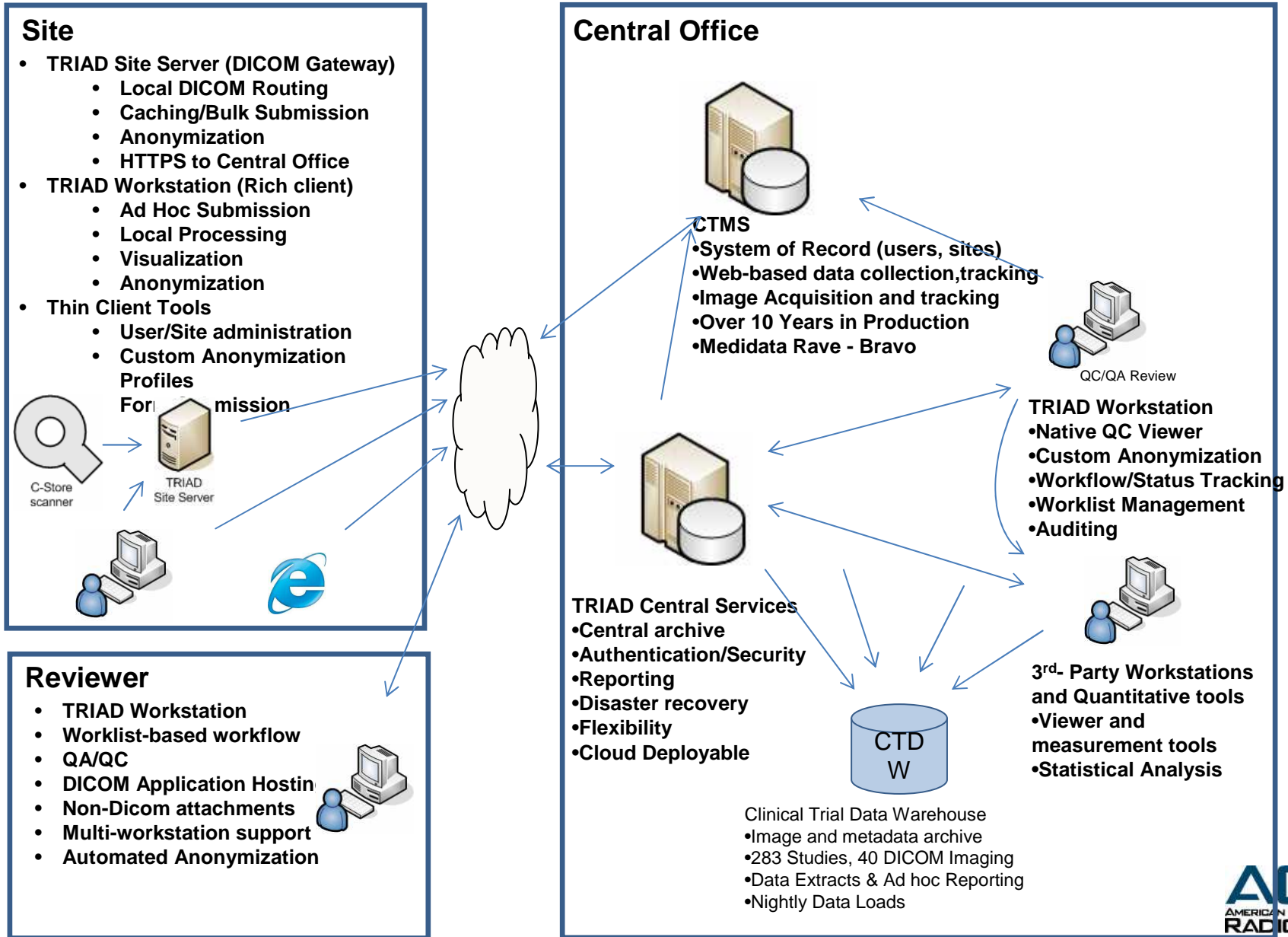
- **Web-access to ACR multiplatform imaging informatics system**

Key Elements

- Fast and secure upload of DICOM files
- In-built customizable deidentification
- Fully validated PET/CT dedicated software with GCP compliance
- Fast navigation, friendly use but requires training
- Latest Citrix Technology for Distributed, Web-based Access
- Enables Cross-Platform Delivery (Access from Laptops, PDAs)
- Quantification capability (SUVs, MTV etc)



Imaging Informatics Components



Imaging Applications

- Volumetric Measurements/Segmentation
 - MiM Vista FDA Cleared
 - OsiriX* FDA Cleared
 - Velocity FDA Cleared
- DICOM Viewer/QC:
 - IQ View* FDA Cleared
 - Clear Canvas*
 - Sante*
 - DICOM Works
 - MIM Vista for PET QC FDA Cleared
 - Velocity
 - TRIAD
- RECIST Evaluation
 - IQ View *
 - CEDARA
 - OsiriX* FDA Cleared
 - Mirada FDA Cleared
- Angiography/CTA
 - Aquarius iNtution-Tera Recon*
- SUV Measurements
 - GE
 - SIEMENS
 - PHILIPS
 - MiM Vista
 - Velocity
 - MatLab/SPM *
- Fusion
 - MiM Vista
 - Velocity
 - MatLab/SPM *
- Dynamic Contrast MR
 - Apollo MISTar
- MR Spectroscopy
 - Acorn NUTS



PHASE II TRIAL OF RESPONSE-ADAPTED
CHEMOTHERAPY BASED ON POSITRON
EMISSION TOMOGRAPHY

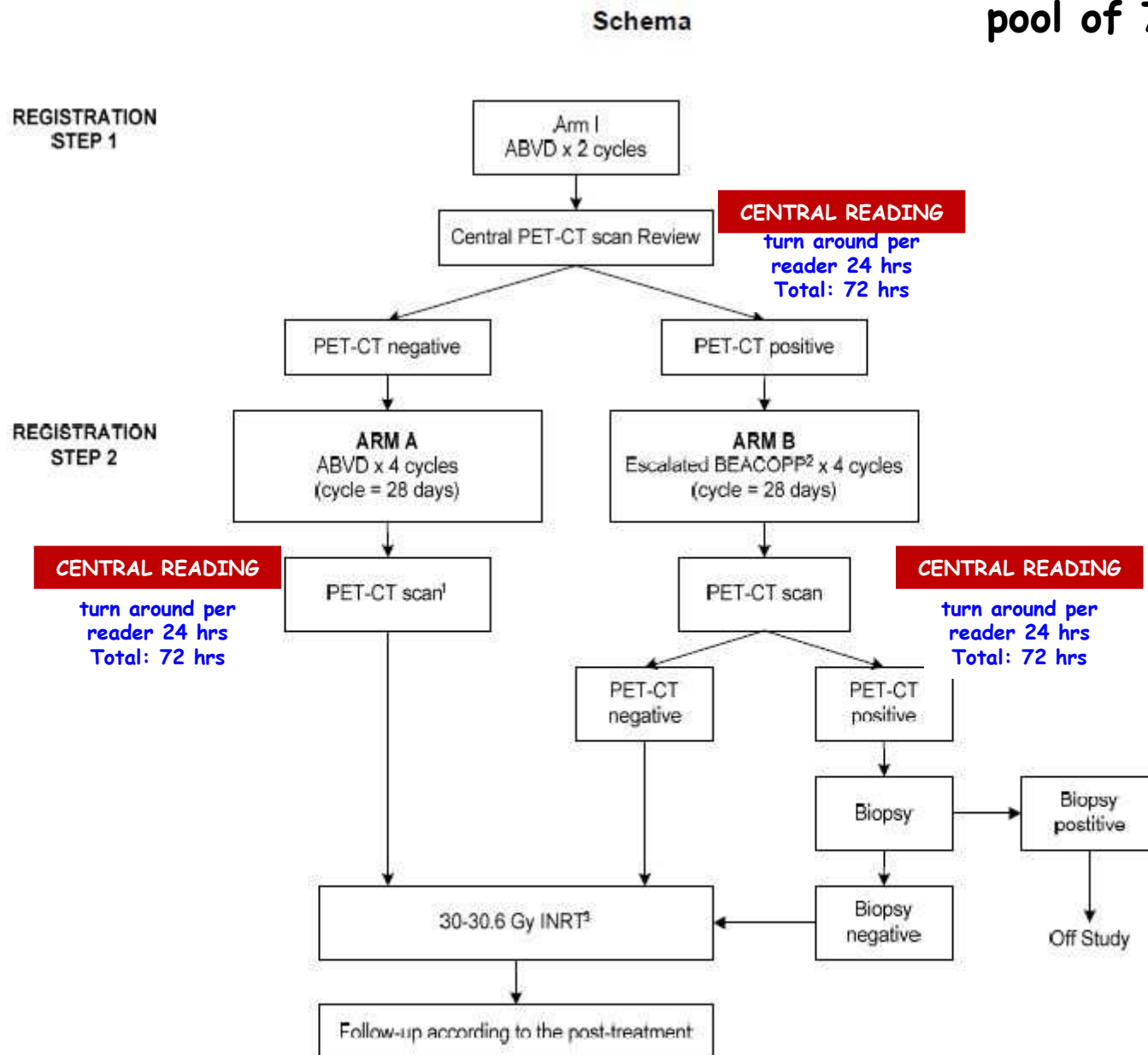
FOR BULKY STAGE I AND II (ECOG 2410)
HODGKIN LYMPHOMA

General Rules for E2410

- All PET/CT studies must be electronically sent to the imaging core lab. Imaging core lab should ensure that the sites will be able to perform this task
- Readers who agree to participate in the FDG PET/CT's reading process of this study agree to the terms to ensure no delays in chemotherapy schedules for optimal patient care and to avoid any inconvenience to the participating sites
- All post cycle 2 PET/CTs WILL be read within 24 hours of the submission of the study to the reader by the imaging core lab
- All PET/CT studies WILL be read within 48 hours of the submission of the study to the reader by the imaging core lab to ensure a 72 hour total turn around time

E2410 STUDY OUTLINE

pool of 7-8 readers



Accrual = 200
Cycle = 28 days for ABVD, 21 days for BEACOPP

Key Elements for Image Exchange

- Friendly applications - **yes**
- Minimum time required for training - **?**
- 24/7 availability - **yes**
- No dependence on site personelle availability - **yes**
- Speed - **yes**
- Secure - **yes**
- Competent - **yes**
- Less cost - **no**

CALGB Imaging Core Lab



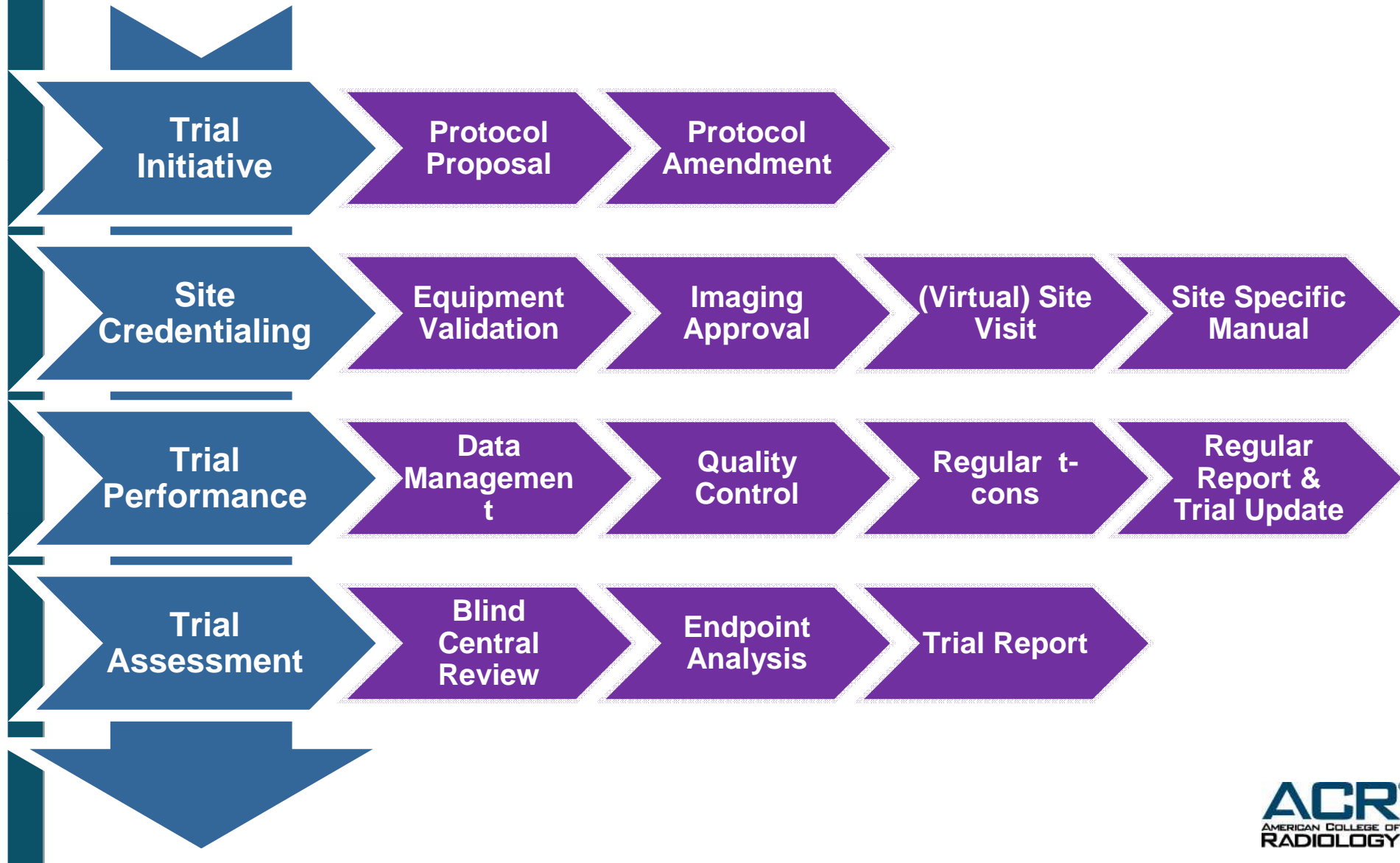
- **Webinar access to core lab imaging informatics system**

ICL Service Communication within

CALGB/SWOG



Trial Implementation - Quality Assurance - Interpretation




Web-based Electronic Data Transfer Provider



Sign On

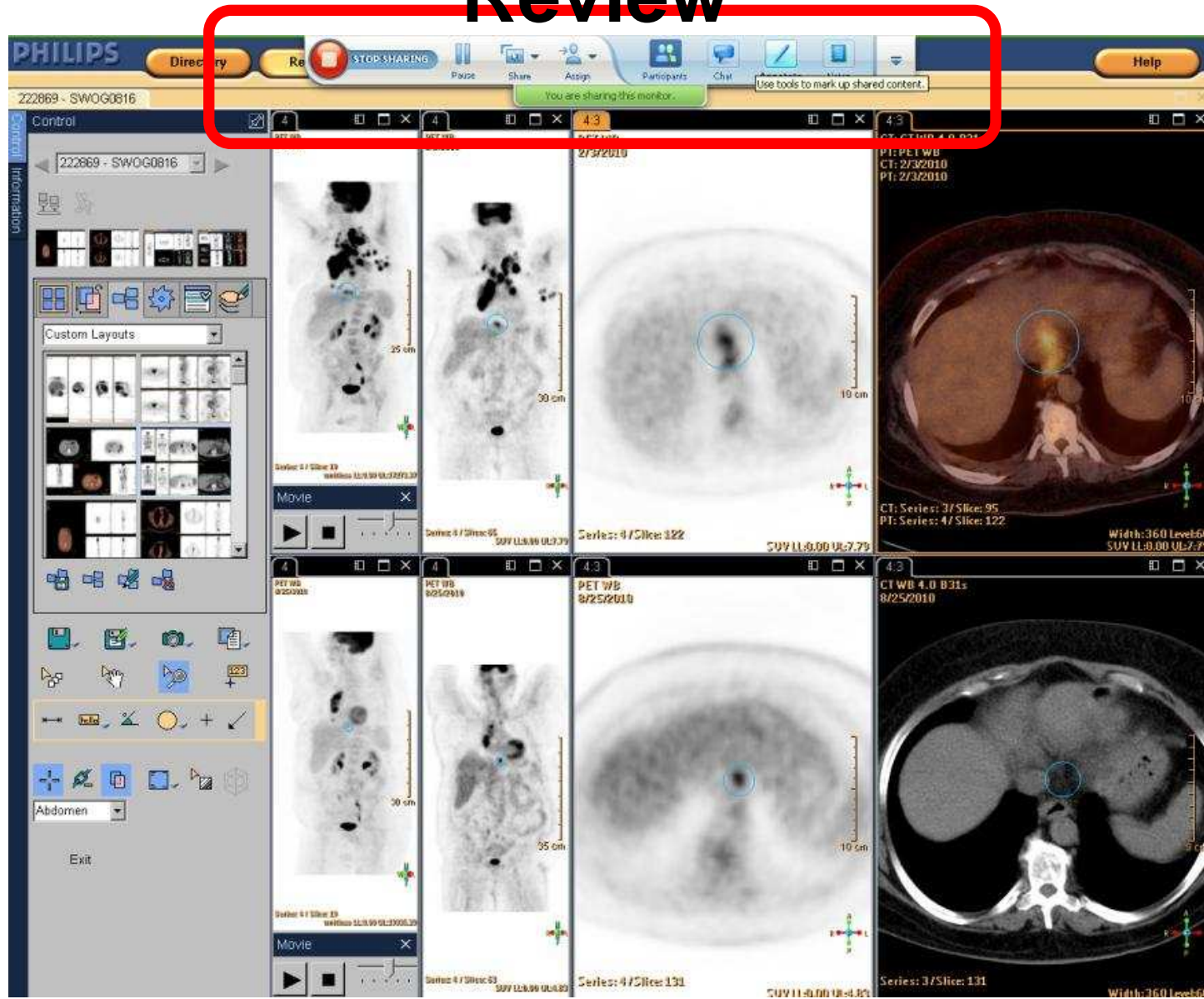
Username:

Password:

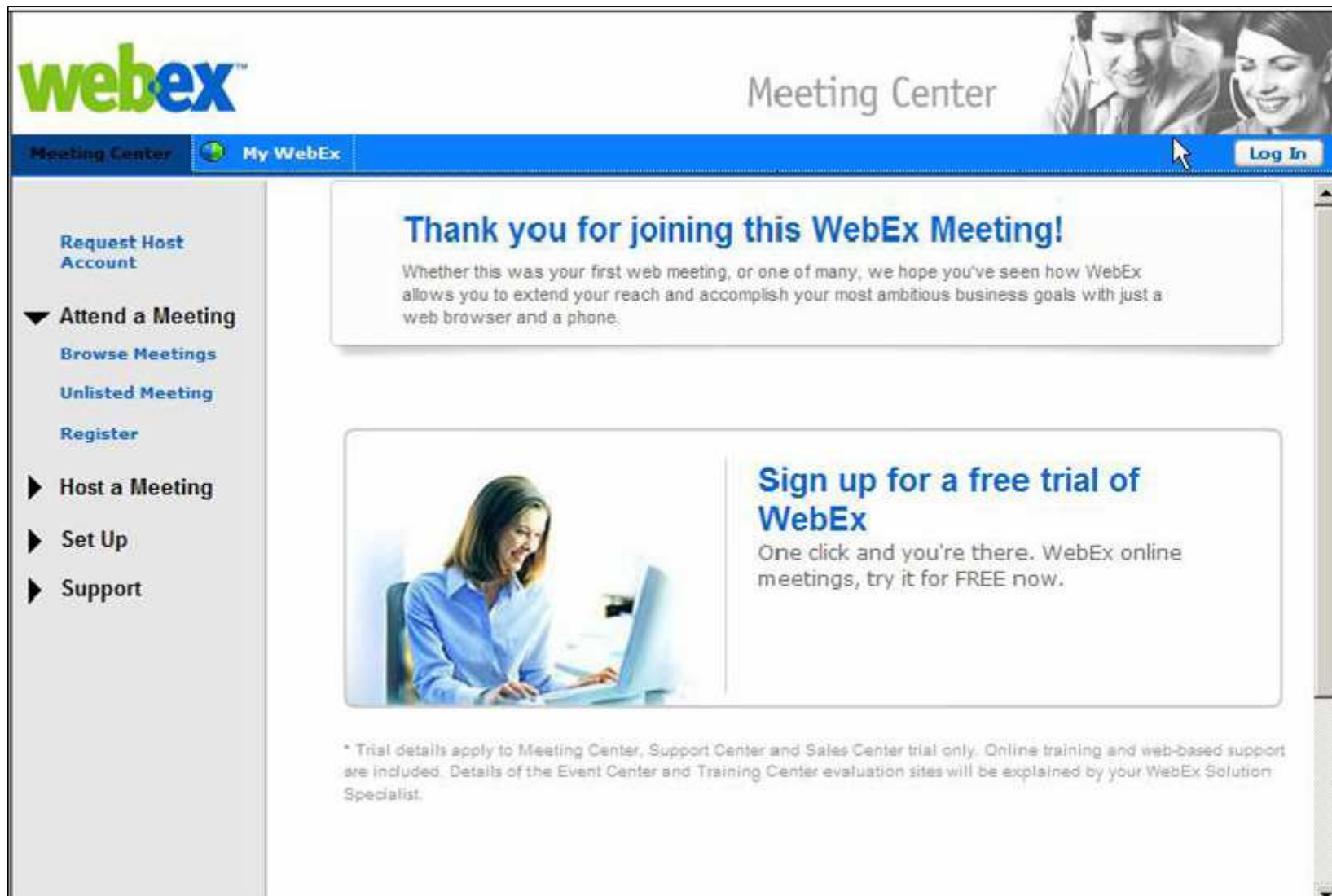
 Sign On

Need Help? [Tech Support](#) - [Online Manual](#)

CALGB/SWOG Trials Real-time Remote Review



ICL WebEx - Site Training, Education, Remote Review



The screenshot shows the WebEx Meeting Center website. At the top left is the WebEx logo. To the right, it says "Meeting Center" above a photo of two people on a video call. Below the logo is a blue navigation bar with "Meeting Center" and "My WebEx" links, and a "Log In" button. A left sidebar contains a menu with options: "Request Host Account", "Attend a Meeting" (expanded), "Browse Meetings", "Unlisted Meeting", "Register", "Host a Meeting", "Set Up", and "Support". The main content area features a "Thank you for joining this WebEx Meeting!" message, a "Sign up for a free trial of WebEx" promotion with an image of a woman at a computer, and a small disclaimer at the bottom.

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* Trial details apply to Meeting Center, Support Center and Sales Center trial only. Online training and web-based support are included. Details of the Event Center and Training Center evaluation sites will be explained by your WebEx Solution Specialist.

	Web-access to ACR platform	Webinar CALGB
Friendly applications	yes	yes
Time required for training	moderate	minimum
24/7 availability	yes	no
Dependence on site personnel	no	yes
High navigation speed	yes	yes
Access to multiple readers	yes	no
Highly secure	yes	yes
Less cost	no	yes

**PHASE II TRIAL OF RESPONSE-ADAPTED
CHEMOTHERAPY BASED ON POSITRON
EMISSION TOMOGRAPHY**

**FOR NON-BULKY STAGE I-II (CALGB 50604)
AND FOR BULKY STAGE I-II (CALGB 50801) HL**

**A PHASE II TRIAL OF RESPONSE ADAPTED
THERAPY OF STAGE III-IV HL USING EARLY
INTERIM FDG-PET IMAGING (SWOG 0816)**

**CALGB 50801
FDG-PET/CT at baseline**

2 cycles ABVD

FDG-PET/CT after 2 cycles
8-10 dys after dy-15 dose of ABVD during
Cycle 2

PET-

ACTION 1
1 central reader
Completely "-"
(grade 1) → no action
Any grade of "+"
go to ACTION 2

Turn around 24 hrs

ABVD 2 more cycles
(total of 4 cycles)

FDG-PET/CT

***PET-**

ACTION 1
1 central reader
Completely "-"
(grade 1) → no action
Any grade of "+"
go to ACTION 2

Turn around 48 hrs

*There will be one more PET/CT central read that will be following the same scheme in those patients whose biopsies are deferred. Refer to the study outline (prior slide) for clarification

PET+

ACTION 2
2 central readers
Consensus → no action
if disagreement go to
ACTION 3

Turn around 24 hrs

ACTION 3
Adjudication with 1
other central reader
→ FINAL READ

Turn around 24 hrs

ESCALATED BEACOPP
x 4cycles
Involved field RT

***PET+**

Biopsy

ACTION 2
2 central readers
Consensus → no action
if disagreement go to
ACTION 3

Turn around 48 hrs

ACTION 3
Adjudication with 1
other central reader
→ FINAL READ

Turn around 48 hrs

CALGB 50604 - STUDY OUTLINE

