ACR Research Operations Infrastructure
ACR CRI Services

Services of a full clinical CRO

Funding
- Grants and Commercial Sponsors

Project Development
- Study Design and Contracting

Study Document Creation

Site Services
- Site Selection & Qualification, Subject Recruitment Mgmt., Site/Reader/CRO Training, IT Informatics Solutions

Study Execution & Operational Management
- Image Collection + QC, Data Collection + QC, QA + Regulatory, Reviewer Contracting & Mgmt.

Analysis
- Image Central Review, Validation, Analytic Tools + Pipelines, Statistical Analysis, Data Transfer

For more information:
https://www.acr.org/Research/Clinical-Research
Research Project Types

Clinical trial services to support all project types

- Screening/Detection
- Therapeutic/Response Trials
- Radiation Therapy
- Novel Imaging Methods
- Biomarker Development/Validation
- Central Reader Studies
- Reader Education / Truther / Testing
- Software/Hardware Validation
- Registries
- AI Algorithm Development / Validation
- Socio-Economic Research

For more information: research@acr.org
ACR Research Clinical Systems
TRIAD - Transfer of Images and Data

- Developed to support image-sharing and workflow needs
- Standards-friendly (DICOM, IHE) and FDA Compliant (CFR 21 Part 11)
- Broad Portfolio
  - Supports Data Workflow for Research, Education, and Quality Programs
  - Over 10 Years Serving Diagnostic and Radiation Therapy Clinical Trials
  - All ACR Accreditation image submissions received through TRIAD
  - Web-based uploading (e.g. AIRP)
  - ACRConnect, as the next generation, provides a vendor-neutral infrastructure, making it easier for collaborations and expansion
- Anonymization
  - Unique profiles configured by Administrator
    - Flexibility to assign at the trial, site, submission parameters or DICOM tag level
    - Applied automatically locally prior to ingestion and/or outbound
TRIAD-Connect

https://acr-1.wistia.com/medias/yark5c83be
DART - Data Archive and Research Toolkit

- Cloud-based, integrated platform
- Federated access to data across domains for analytics, tool development, and closed-loop storage
- Easier for researchers to analyze images and other clinical data – can run within platform or download locally
- Data commons that houses not just imaging data, but all clinical + imaging data

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DART

https://acr-1.wistia.com/projects/1uile69d9a
Medidata RAVE

• Industry’s leading solution for capturing, managing, and reporting patient data

Flexible

Scalable

Configurable
Core Lab – 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 iNtuition- Tera Recon*
- SUV Measurements
  - GE
  - SIEMENS
  - PHILIPS
  - MiM Vista
  - Velocity
  - MatLab/SPM*
- Fusion
  - MiM Vista
  - Velocity
  - MatLab/SPM*
- Dynamic Contrast MRI
  - Apollo MISTar
- MR Spectroscopy
  - Acorn NUTS