NEW iDEAS

Imaging Dementia—Evidence For Amyloid Scanning

Amyloid PET Image Submission
TRIAD™

Version 1 – January 19, 2020

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ACR®
AMERICAN COLLEGE OF RADIOLOGY

alzheimer's association®

THE BRAINS BEHIND SAVING YOURS:

Digital Image Submission via TRIAD™

- All Amyloid PET and PET/CT scans are to be submitted via TRIAD™ to the ACR CRI within 7 business days from the time of acquisition
  - No image data will be accepted on media for the New IDEAS study
- TRIAD™ (Transfer of Images and Data) is the ACR CRI's cloud-based image and data exchange platform that supports image and data archival as well as immediate transfer of data
- All PET scans are required to be submitted using TRIAD™
- TRIAD™ can be installed on one or several computers of choice within the institutional 'firewall' and/or on an institutional network
- The application can be configured as a DICOM destination on either the scanner console or PACS system for direct network transfer

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TRIAD™ Facts and System Requirements

- TRIAD™ meets FDA regulatory requirements for use in Clinical Trials and is Title 21 CFR Part 11 compliant
  - Sends images and data files securely
  - Anonymizes the DICOM headers locally before submission based on flexible and profile-based algorithm
  - A straight-forward software download is all that is needed to get started
  - Images are submitted with the click of a button

- TRIAD™ components are upgraded to newest .NET Framework version 4.8
- TRIAD™ end user access/log in is authenticated by Okta Single Sign On (SSO) for added security
  - Same login credentials as the New IDEAS database
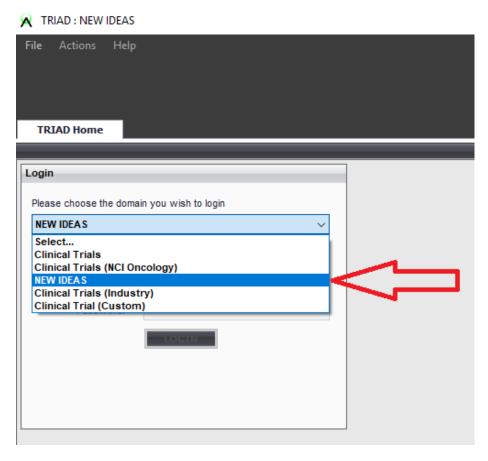
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Image Data to be Submitted

- The Amyloid PET or PET/CT scans collected for the New IDEAS study must be in DICOM format and contain the following 3 primary image series:

  - PET Attenuated Corrected (PET AC) series
  - PET Non- Attenuated Corrected (PET NAC) series
  - CT used for Attenuation Correction (CTAC) series

- Secondary screen captures, MIPs, reconstructed axial, sagittal, coronal series as well as non-DICOM data is not required for submission and <u>will not be utilized</u> for trial purposes
- All Patient Name and Patient ID DICOM tag fields are anonymized upon submission to TRIAD™

  - TRIAD™ replaces Patient Name and Patient ID fields with trial-specific New IDEAS Case ID Number
  - No 3rd party or additional anonymization programs are recommended to be used as these systems can often times wipe valuable DICOM tags related to patient gender, date/year of birth or specific image-related details such as radiotracer used during the Image Quality Assessment process
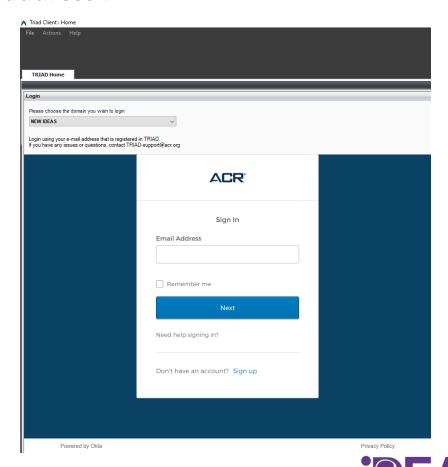
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Accessing TRIAD™ for Image Submission
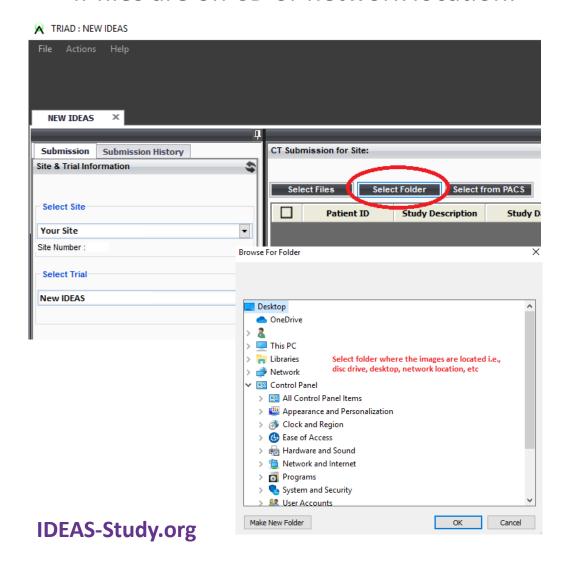
- Select the 'New IDEAS' domain of TRIAD:

- Enter the registered User email address :

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Selecting Image Data Files for Submission

- If files are on CD or network location:

- If data is on the configured scanner console or PACS destination:

Select folder where the images are located i.e., disc drive, desktop, network location, etc

If configured from the scanner console or PACS destination- the images pushed from the destination will be cached here

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Moving Image Data to the Submission Queue

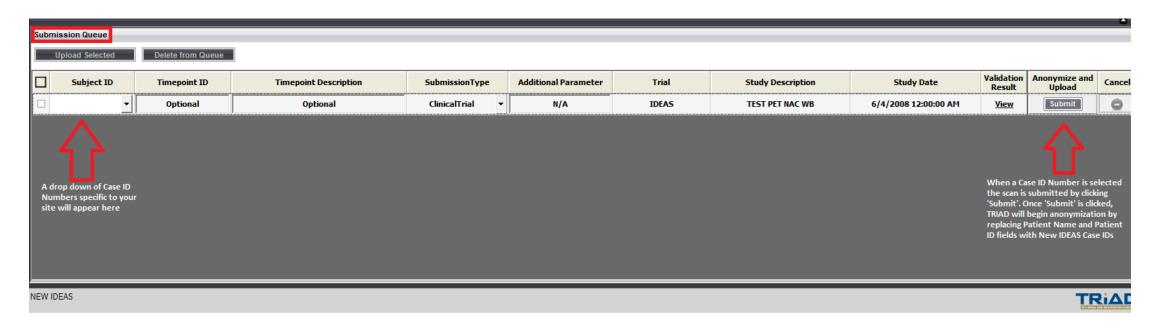- Images ready for submission will pre-populate and must be selected for the Image Submission queue:

Moving Image Data to the Submission Queue

- Once the desired image series are selected, click 'Move to Submission Queue':

- The scan now appears at the bottom of the screen and is ready to be assigned the correct New IDEAS Case ID number and submitted:

A drop down of Case ID Numbers specific to your site will appear here

When a Case ID Number is selected the scan is submitted by clicking 'Submit'. Once 'Submit' is clicked, TRIAD will begin anonymization by replacing Patient Name and Patient ID fields with New IDEAS Case IDs

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TRIAD™ Support

- Questions and inquiries related to the TRIAD™ Platform may be addressed to the TRIAD™ Support Team:

  Triad-Support@acr.org

  703.390.9858

- Tech Support is available from Monday to Friday between 8am - 5pm EST

- TRIAD™ User Guide is available:

  https://triadinstall.acr.org/triadclient/

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Upon Image Submission

- Once the Amyloid PET or PET/CT scan has been submitted, the information related to the scan must be data entered in the New IDEAs database

- The image-related details entered in the database are cross referenced with the data present on the submitted images

- Upon the receipt of images and completion of data entry of the corresponding scan information on the image-related forms in the New IDEAS database, the Image Quality Assessment process at the ACR CRI can begin

- Submitted images are reviewed by the ACR CRI for the following:
    - Patient Identity (DOB/Year of Birth)
    - Complete Submission (PET AC, PET NAC and CTAC series have been received)
    - Radiotracer Details (which tracer was used, activity, uptake time, injection time, image start time)
    - Image Quality (inspect for artifacts, motion, complete anatomy and other quality-degradation factors)

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New IDEAS Amyloid PET Scan Support

- Questions and inquiries related to the imaging requirements for the New IDEAS study may be addressed to the ACR CRI Imaging Technologist:

Rebecca DiGati, CNMT

rdigati@acr.org

215.574.3175

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