



## EICON RADIOLOGY

A comprehensive data management solution for Clinical Trials Radiology (DICOM) data addressing the needs of the pharmaceutical industry, Clinical Research Organizations/ Core Labs and regulatory agencies.

### Key Features:

- Workflow:
  - Create/Manage Study
    - Assign Data Access Control
    - Assign Data Quality Control using templated QC specifications
  - Upload Data (**EICON FLOW** or **EICON COLLECT**)
    - Upload DICOM
    - Upload non-DICOM
  - Storage
    - Store Radiology data (DICOM files) on dedicated network storage
    - Parse and store constituent data and metadata in system database to support review, assessment, and analysis of DICOM data
    - Using **EICON SEARCH**, index metadata into Search repository for use in **EICON EXPLORER**
  - Data Quality
    - Verify data quality using configurable Study-level Data Quality Specifications
    - Verify conformity to DICOM standard of all data uploaded/ingested into the system
  - Download/Export
    - Download Datasets to file
    - Export Datasets to Workstation
    - Perform (optionally) tag remapping as part of the data export
- Data Review
  - Standard set of data review reports for DICOM data
  - **EICON EXPLORER** Dashboards for Operations and Insights/Analytics
  - DICOM Viewer – browser based DICOM Viewer
  - Export to DICOM Workstation
- Security: multi-level, as follows
  - Integrate with Single Signon. Alternatively, use standard User ID/Password.
  - Encryption of DICOM data in transit and at rest

- Role-based system access control using a user/role/transaction matrix
- Study-level data access controls
- Configurability
  - Specification of QC templates for DICOM data and all associated (non-DICOM) metadata
  - Specification of Data Mapping templates to verify formats of all uploaded data
  - Management of external Organizations
- Regulatory Compliance

**Key Benefits:**

- Early data Access for review and decision support
- Validate all Core Lab data feeds
- Facilitate AI analysis of the data using either EICON-based or third-party algorithms