iPACS® Platforms

Imaging Study and Data Management Software

SHARE — WORK

Results Reports

Image Data

Study protocol
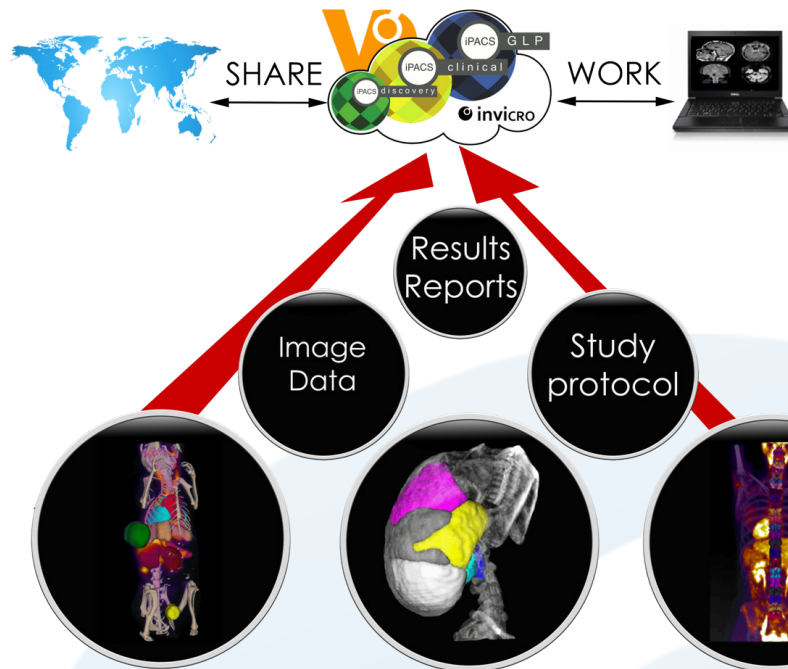
iPACS® Main Features

iPACS® is a powerful web-based project management system designed for translational imaging applications. This platform allows for the efficient management, distribution, batch analysis, mining, and presentation of images and data associated with imaging studies.

Efficient Organization

- Project-tree data organization.
- Query metadata and content associated with image and non-image data.
- Store and index DICOM and non-DICOM data across multiple modalities.

Easy Data Transfer

- Seamless bidirectional communication between iPACS and VivoQuant.
- Batch transfer data to / from DICOM clients and storage drives.
- Share data via secure public links.

Secure Data Access

- User-role based authentication.
- Bank-level security with optional LDAP support.
- Access data from any web browser.

Stress-free Installation

- We connect your imaging systems.
- Remote or on-site installation.
- Optional server provided.

iPACS clinical   iPACS GLP   iPACS discovery

iPACS discovery

- Single connection point for all imaging modalities.
- Data acquired from (but not limited to) PET, SPECT, CT, Optical and MR equipment flows to the iPACS for organization and storage. DICOM plus 20 native image formats supported.
- Store image and non-image data together. View saved data in a project tree format.
- Bi-directional communication with VivoQuant® for seamless viewing, analysis, and storage solution.
- Metadata is automatically extracted and stored in a relational database that can be queried via Boolean search. Content based query tool available for non-image data (WORD, POWERPOINT, PDF, etc.).
- Allow access to users and partners via role-based authorization.
- Collaborate and share with teammates and research partners via web-based connection.
- iPACS Sync technology is available for automatic data transfers between multiple iPACS and local storage points.
- Study management features include a calendar-based planning tool to efficiently manage resources, such as researcher time and equipment usage.
- Reporting module enables accelerated report generation for all data objects, such as meta-information, images, movies, etc.
- Configurable forms to attach data points to study and image metadata, e.g. injected dose, body weight, quantification calibration unit, etc.

iPACS clinical

- Permit restricted and secure access to clinical trial centers. Ability to submit clinical trial submissions using case report forms over http(s) or encrypted ssh tunnel.
- Customize role/user authorization interface, with specific access for iPACS users (e.g. reviewers, submission sites, general iPACS users).
- Automate QA/QC: automated processing modules to include batch anonymization, DICOM field modification, DICOM conformance validation, and smart filtering.
  Notification system for transmission receipts for both sending sites and data managers (iPACS administrators).
- Support for data transfers larger than current http limitations.

iPACS GLP

- iPACS basic storage features plus custom workflows for GLP compliance.
- Implement and audit GLP-compliant workflows with inviCRO's regulatory management team.
- iPACS-based, GLP-customized workflows have been successfully GxP audited by a leading pharmaceutical organization.
- Allows for implementation of 21 CFR part 11 compliant electronic record keeping with electronic signatures.
- Archivist role to manage locking/unlocking projects with full change control and audit report.
- Mandatory version control of image, non-image, and metadata files/information.

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