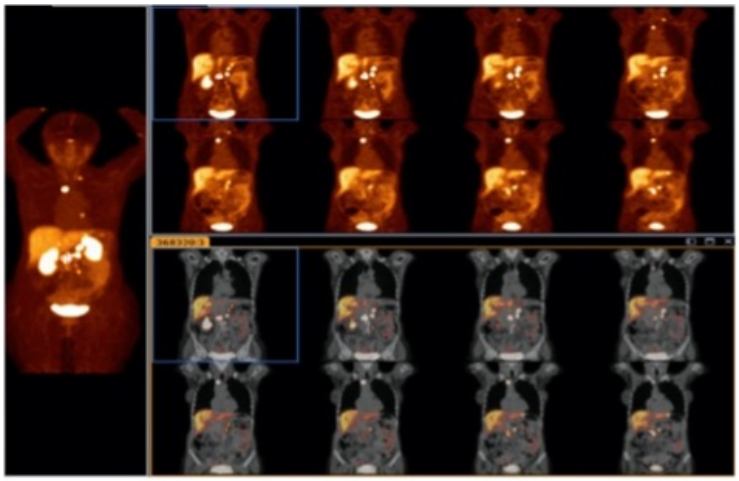
INNOVATION PARTNERSHIPS
UNIVERSITY OF MICHIGAN

Tumor Response Assessment Platform

Technology number: 7208



Technology ID
7208

Category
Diagnostics
Life Sciences

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OVERVIEW

Streamlined management and evaluation of imaging data for oncology trials

- Provides unbiased, standardized, and secure imaging data assessment and sharing
- Applies to pharmaceutical trials, healthcare agencies, institutional collaborations

BACKGROUND

Oncology trials significantly depend on medical imaging to evaluate the efficacy of new drug candidates. However, the variability in imaging data acquisition and interpretation presents challenges, potentially affecting the consistency of trial outcomes. An unbiased, timely review of imaging data, along with secure storage and sharing solutions, is crucial. These capabilities are essential not only for pharmaceutical and biotechnology companies but also for healthcare institutions and agencies. The U.S. radiology imaging market is projected to continue growing significantly due to increasing demand for reliable imaging-informatics solutions. Despite the market's growth, the need for improved methods to ensure consistent, reproducible imaging data management and analysis remains unmet.

INNOVATION

The Tumor Response Assessment Core (TRAC) at the University of Michigan introduces a comprehensive solution for managing and evaluating radiological imaging data in oncology

trials. TRAC provides reliable, standardized radiological measurements to assess treatment responses, utilizing a secure database accessible by authorized trial staff. Key features include longitudinal tracking of lesions, annotated images, investigator e-signing of reports, and integrated scheduling and billing details. The system also offers a web application for measurement requests and data access, facilitating easy storage, sharing, and cross-institutional collaboration. This innovation reduces errors and human effort, delivering reproducible, faster, and cost-effective results while improving data analysis quality. Real-world applications include enhancing pharmaceutical trial accuracy, supporting healthcare agencies, and enabling seamless medical data sharing across institutions.