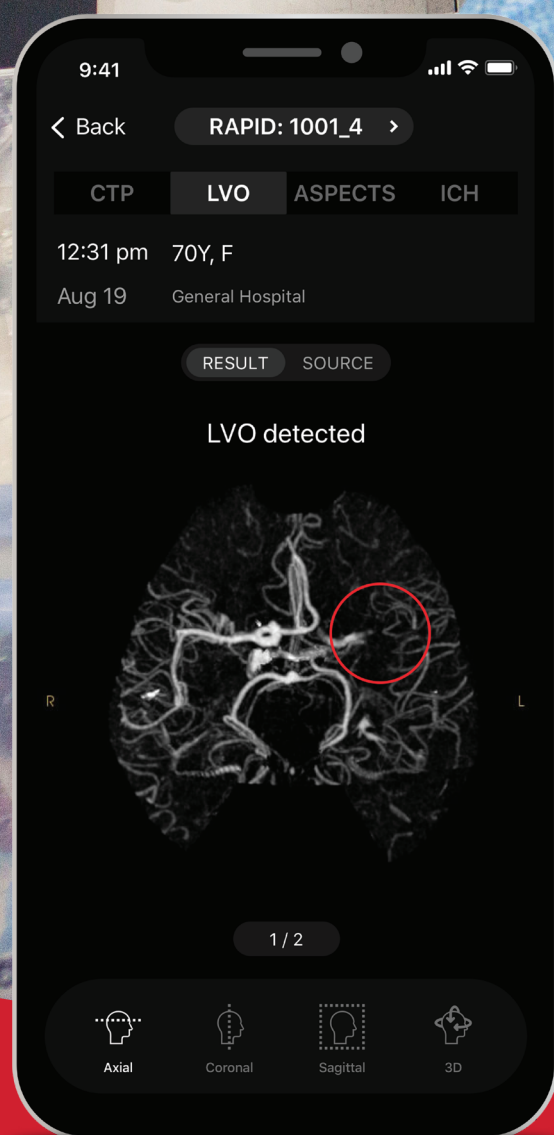# RAPIDAI

The Most Advanced Cerebrovascular
Imaging Platform

rapidai.com

RAPID AI

Empowers clinicians to make faster, more accurate diagnostic and treatment decisions for stroke patients using clinically proven, data-driven technology. Developed by stroke experts, clinicians worldwide are using our validated and trusted platform to improve patient care and outcomes every day.

Rapid ICH

Rapid ICH helps hospitals streamline treatment decision-making through the fast, automated identification of suspected intracranial hemorrhage in NCCT scans.

» Delivers results in under three minutes

» Identifies suspected hemorrhage with a sensitivity of 95% and a specificity of 94%, excluding hemorrhagic transformations (HTs).

Rapid ASPECTS

In minutes from receipt of a scan, Rapid ASPECTS delivers a standardized ASPECT score to help stroke teams quickly assess patient eligibility for thrombectomy.

» Standardized definition of ASPECT regions

» Fast identification of regions of asymmetry through a classification system using the latest machine learning techniques

» Automatically generated measurements of ischemic change

» Standardized Rapid ASPECTS results that increase reader reliability and reduce intrareader variability, especially among non-expert readers

The Gold Standard for Cerebrovascular Imaging

1M+
SCANS

1,600+
HOSPITALS
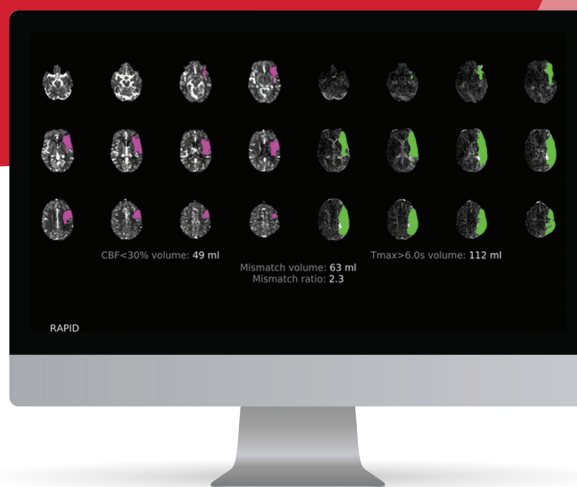
50
COUNTRIES

14
CLINICAL TRIALS GLOBALLY

Rapid CTA

Rapid CTA helps stroke teams to quickly identify and assess large vessel occlusion (LVO) cases.

» Automatically identifies asymmetries in blood vessel density

» Removes bone and non-vascular tissue for clear viewing of cerebral blood vessels on MIP images

» Creates 3D vascular reconstructions that can be automatically or manually rotated

» LVO Detection and Localization
  – The only automated imaging product indicated for localization of a detected LVO
  – Detects LVOs with a sensitivity of 97% and specificity of 96%
  – Results outline the detected LVO for fast, easy identification of the LVO location

Rapid CTP

The only clinically validated software with an FDA indication to aid in the selection of patients for acute stroke therapy, Rapid CTP enables faster clinical decisions by helping physicians quickly assess salvageable brain tissue and identify patients who are likely to benefit from interventional thrombectomy.

» Comparison of a patient's cerebral blood flow (CBF) to Tmax

» Identification of areas of hypodensity

» Identification of milder or more severe delays of contrast arrival time

» Customizable modeling of different thresholds for blood flow reductions

» Flexible cerebral blood volume (CBV) modeling

» Co-registered views of the baseline CT perfusion scan, CBV, CBF, mean transit time (MTT) and Tmax

» Graphs showing translational and rotational movement on the X, Y and Z axis

» Arterial input (AIF) and venous output (VOF) curve

Rapid MRI

Rapid MRI is clinically proven to help physicians assess salvageable brain tissue through the delivery of quantified and color-coded MR diffusion and perfusion maps that identify brain regions with reduced ADC and prolonged Tmax.

- » Comparison of apparent diffusion coefficient (ADC) and delays in contrast arrival (Tmax)
- » Automatic calculation of Hypoperfusion Intensity Ratio (HIR)
- » Co-registered view of diffusion-weighted images with MR perfusion results
- » Arterial input (AIF) and venous output (VOF) curve

RapidAI Insights

RapidAI Insights is a valuable solution for multi-site systems and referral networks looking to standardize stroke care processes and optimize operational efficiencies that help to reduce costs across sites, while simultaneously improving patient outcomes and saving more lives.

- » **Rapid Stats and Usage Insights:** This suite of reports offers data on Rapid utilization, scan details and demographics, and scan quality
- » **Executive Insights:** Systemwide, executive-level data to help hospitals make better operational and financial decisions
- » **Security and Monitoring Insights:** Provides IT teams with information on Rapid Mobile App access and usage
- » **Patient Journey and Clinical Outcomes Insights:** Rapid (platform and mobile app) and clinical site data which may include transfer data combined with patient treatment and outcome data

Why RapidAI

Unparalleled Artificial Intelligence

Based on the largest and broadest set of brain scans of any advanced imaging product, the artificial intelligence in the Rapid platform leverages data collected from over one million scans from more than 1,600 hospitals in 50 countries to create unparalleled results.

Data Security and Compliance

RapidAI has a strong commitment to secure and compliant data management and is HIPAA compliant, GDPR compliant, and ISO 13485 and ISO 27001 certified. The Rapid platform has been developed using the National Institute of Standards and Technology (NIST) cybersecurity framework.

Works in Any Hospital Environment

RapidAI™ products are compatible with various scanners and PACS based on modality, and work in any hospital environment, and across referral networks.

» Acute Stroke Ready Hospitals (ASRH)
» Primary Stroke Centers (PSC)
» Comprehensive Stroke Centers (CSC)
» Mobile Stroke Units (MSU)
» Angio Suites

Clinically Validated and Proven

RapidAI technology has been validated in over 14 multi-site clinical trials including SWIFT PRIME & EXTEND IA (early window), and DEFUSE 3, DAWN, and EXTEND (late window) studies. It is being utilized in several other clinical trials including CHARM (Biogen) and TIMELESS (Genentech).

We continue to actively support innovative cerebrovascular research that helps move the stroke field forward by shattering barriers in stroke diagnosis and treatment.

Comprehensive Training & Education

We're committed to ensuring our customers' success using our products. All RapidAI customers receive free access to Rapid U, a comprehensive curriculum of role-based courses tailored to each member of the stroke team. A reference area expands Rapid U offerings by providing additional self-guided tutorials, educational videos, publications and more.

World-class Service and Support

Operational excellence isn't something that happens overnight. With over 1,600 installations worldwide, we're well versed in how to get customers up and running quickly and are committed to ensuring their ongoing success.

» Installation in as little as one week
» 24/7/365 support
» Customized, live and online training for fast onboarding of new users
» Regular product updates and improvements
» Customer reports and insights

Anytime,
Anywhere Access

Rapid
Mobile App

Within minutes from receipt of a scan, the Rapid Mobile App notifies physicians of stroke cases and provides anytime, anywhere access to critical patient images and Rapid® results. In-app communication features allow stroke teams to quickly align on patient status—helping to improve patient outcomes.

» Full-screen zoom functionality and ability to rotate images for axial, coronal, and sagittal views
» Change windowing to highlight and enhance image preview
» Access results from multiple sites in one centralized location
» HIPAA and GDPR compliant communication features:
   – In-app messaging and real-time message notifications
   – Easy entry of key clinical data including Last Known Well, tPA initiated, NIHSS and more
» "Go" feature for quicker notification and coordination of stroke teams for critical cases

Rapid
Web App

The Rapid Web App offers all stroke team members a convenient way to receive notifications of new cases, preview Rapid results and source files, and enable workflow communications among team members via their desktop or laptop. The app works with Google Chrome and Microsoft Edge browsers to give users an easy way to view, organize, and track cases from multiple sites in one location.

» Real-time, customizable browser notifications of new case events and messages
» Access to Rapid results via Google Chrome and Microsoft Edge browsers in minutes
» Integration with third-party identity providers to support single sign-on for easier activation and deactivation of Rapid Web App accounts

RAPIDAI

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