RAPIDAI

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.

The Gold Standard for Cerebrovascular Imaging

650K+
SCANS

1,500+
HOSPITALS

50
COUNTRIES

14
CLINICAL TRIALS GLOBALLY

Rapid ICH

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

» Delivers results in under three minutes

» Detects hemorrhage with a sensitivity of 95% and a specificity of 94% when instances of hemorrhagic transformation type HI 1 are not included

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.

» Automated 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

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 95% and specificity of 90%
  − 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 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

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-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 ASPECTS and LVO detection and localization feature not commercially available in the U.S.

Why RapidAI

The Gold Standard for Brain Imaging

The Rapid platform is the most widely used imaging software for stroke patient care, research and clinical trials. It is the only Level 1, clinically validated imaging platform available for faster, more accurate diagnostic decisions and considered to be the gold standard for advanced cerebrovascular imaging for the assessment and treatment of stroke.

Works in Any Hospital Environment

RapidAI™ products are compatible with all scanner and PACS makes and models, 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

Secure, HIPAA-compliant, Single-Platform Solution

RapidAI offers a secure, comprehensive portfolio of HIPAA compliant cerebrovascular imaging products including ICH, ASPECTS*, CTA, CTP, and MRI. Rapid CTP and Rapid MRI are the only software FDA approved for the indication of mechanical thrombectomy (up to 16 hours from onset).

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 650,000 scans from more than 1,500 hospitals in 50 countries to create unparalleled results.

Fast Anywhere, Anytime Access and Communications

Customers can use the Rapid Mobile App for anytime, anywhere notification and access to RapidAI results and patient images on a mobile device. In-app communication features also enable stroke teams across sites and referral networks to quickly align on patient status—helping to streamline patient care and improve patient outcomes.

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.

RAPIDu

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 1,500 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

RAPIDAI

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RAPIDAI

The Most Advanced Cerebrovascular Imaging Platform

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