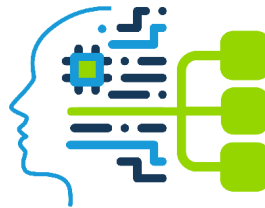vRad®

Stroke Imaging Service of Excellence

Ultrafast Neuroradiology Care – Powered by AI

Whether you're working towards stroke center certification, trying to advance to the next certification level, or are a small rural healthcare facility, vRad's Stroke Imaging Service of Excellence can help you reduce door-to-intervention times for your stroke patients. vRad's team delivers average stroke imaging turnaround times under 7 minutes on over 130,000 stroke studies annually with a 99.6% accuracy rate.

Stroke protocol, our highest priority

Stroke cases trigger alerts to every privileged radiologist. Studies are auto-assigned to the top of all available radiologists' worklists and must be read next.
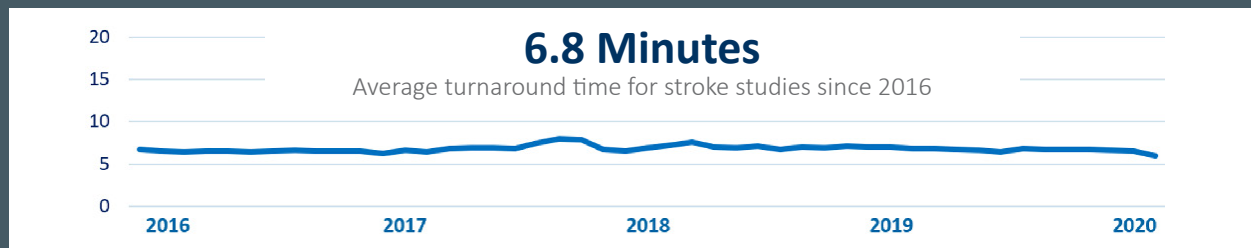
Boosted by AI

All non-contrast head CT studies pass through vRad's AI model for ICH (over 2,200 studies per month). Positive cases are immediately boosted to stroke protocol.

Critical result calls under 2 minutes

A call to the ordering physician is automatically triggered the moment Natural Language Processing identifies relevant stroke language in the radiologist dictation.

Consistently Fast Results

6.8 Minutes
Average turnaround time for stroke studies since 2016

| 2016 | 2017 | 2018 | 2019 | 2020 |

Elevate key areas of your stroke program

Quality
Because of our high volume of emergency department cases, every vRad stroke imaging specialist reads over 200 CTA Head and CT Perfusion studies each month on average, keeping skills sharp. vRad's Stroke Committee meets quarterly to review new guidelines and actively monitor quality and performance metrics.

24/7 Compliance
Augment your existing service with vRad to ensure certification standards are met during off-peak hours or in the event of a spike in demand.

Reporting
Satisfy reporting requirements at every level of Joint Commission AHA/ASA certification with vRad's monthly Teleradiology Metrics Report. vRad radiology reports include an ASPECTS score and the volume of acute parenchymal hemorrhage if present, meeting Comprehensive Stroke Center guidelines from The Joint Commission.

"For this patient, I have no doubt AI was a critical element for her survival. AI is helping us deliver on the full scope of our healthcare mission."

Joshua Morais, MD, MEDNAX Radiology Solutions

Radiological AI accelerates care delivery, helping save stroke victim

Neuroradiologist Joshua Morais, MD opened the next case on his vRad worklist one afternoon in 2019. The non-contrast head CT revealed acute intracranial hemorrhage. Dr. Morais reported his diagnosis to the ordering physician just 2.9 minutes after the images had been uploaded.

What Dr. Morais didn't know at the time was that a proprietary MEDNAX Radiology AI model had identified the criticality of the patient's case and elevated it to the top of his worklist. This enabled him to quickly deliver his findings — getting the patient to surgery an estimated 10 minutes faster with AI than the typical time. Read the full case study at info.vrad.com/radai

Other expedited services from vRad

vRad has consistently maintained average emergent turnaround times (TAT) of under 30 minutes, even faster for studies such as Stroke and Trauma, utilizing our specialized protocols.

- Stroke: under 7 minutes
- Trauma: under 12 minutes
- Emergent: under 30 minutes

Our patented workflows and 24/7/365 U.S.-based Operations Center team members, who minimize operational and administrative distractions for our physicians, are key to our turnaround time performance.

vRad snapshot

- Founded 2001
- 500+ U.S. board-certified and eligible radiologists, majority subspecialty trained
- 2,100+ facilities and radiology groups served across the U.S.
- 7.2 million+ studies interpreted, 2.8 billion+ images processed annually on our platform
- 10,000+ cases evaluated by AI daily to identify critical pathologies for escalation
- U.S.-based, 24/7 operations and technical support center
- 20 patents for workflows, data normalization, and computer assisted diagnostics
- Patented workflows deliver average TATs for stroke under 7 min., trauma under 12 min.
- QA program emphasizing performance improvement since 2004 delivers 99.7% accuracy

FAST FACTS

Under 7 minutes
Average stroke protocol TAT
(<1% over 30 minutes)

Under 2 minutes
Critical finding calls completed in as little as 1-2 minutes with auto-dialer

250+
Certified stroke centers served

75+
Subspecialty-trained neuroradiologists

130,000+
Stroke studies per year

8,700+
CT cerebral perfusion studies per year

Contact vRad Today

800.737.0610

www.vrad.com

LET'S DISCUSS HOW VRAD CAN HELP REDUCE DOOR-TO-INTERVENTION TIMES TODAY.