

WELCOME TO

Intelligent Care Coordination for Stroke

DR. DERICK EN'WEZOH
VICE PRESIDENT OF GROWTH
DERICK@VIZ.AI

OUR MISSION

Inspired by Patients. Built by Doctors.

Viz.ai's mission is to fundamentally improve how healthcare is delivered in the world, through intelligent software that promises to reduce time to treatment, improve access to care and increase the speed of diffusion of medical innovation.



MILESTONES

A New Era of A.I. in Stroke Care

2018

Viz.ai Released First-Ever, A.I. Powered Neurovascular Platform

Unveiled first-ever A.I.-powered computer-aided triage and notification system for suspected ischemic strokes.



2019

Medtronic

Further, Together

Partnered with Medtronic to Accelerate Adoption

Medtronic and Viz.ai partner to accelerate the adoption of Viz.ai's technology in hospitals across the United States.

2020

Released Telehealth Platform

Announced telehealth platform enabling asynchronous and synchronous communication between providers, patients, consulting specialists.

2021

Expanding Beyond Neuro and the US

Modernizing care to new diseases and markets.

2020



Granted Unprecedented Reimbursement by CMS

CMS granted Viz.ai the first New Technology Add-on Payment (NTAP) for A.I. software of up to \$1,040 per use.



CURRENT STATE OF STROKE

Time is Brain

CURRENT STATE OF STROKE

- Every **40 seconds** someone in the United States has a stroke, representing nearly **800k strokes annually**¹
- Stroke is a **leading cause of death (#5), disability (#1) and costs (\$72B)**²
- Despite having effective medical and surgical interventions, **less than 10%** of ischemic stroke patients **receive IV TPA or mechanical thrombectomy**³
- Those patients who do receive treatment, **often receive it 3-5 hours after stroke onset**⁴
- For **each minute delay** in treatment, patients lose nearly **2M neurons**⁵

THE PROBLEM

Why do stroke patients fail to get timely treatment?

THE PROBLEM

Stroke Workflow is Complex & Challenging

February 2019

Stroke Patient Workflow Optimization

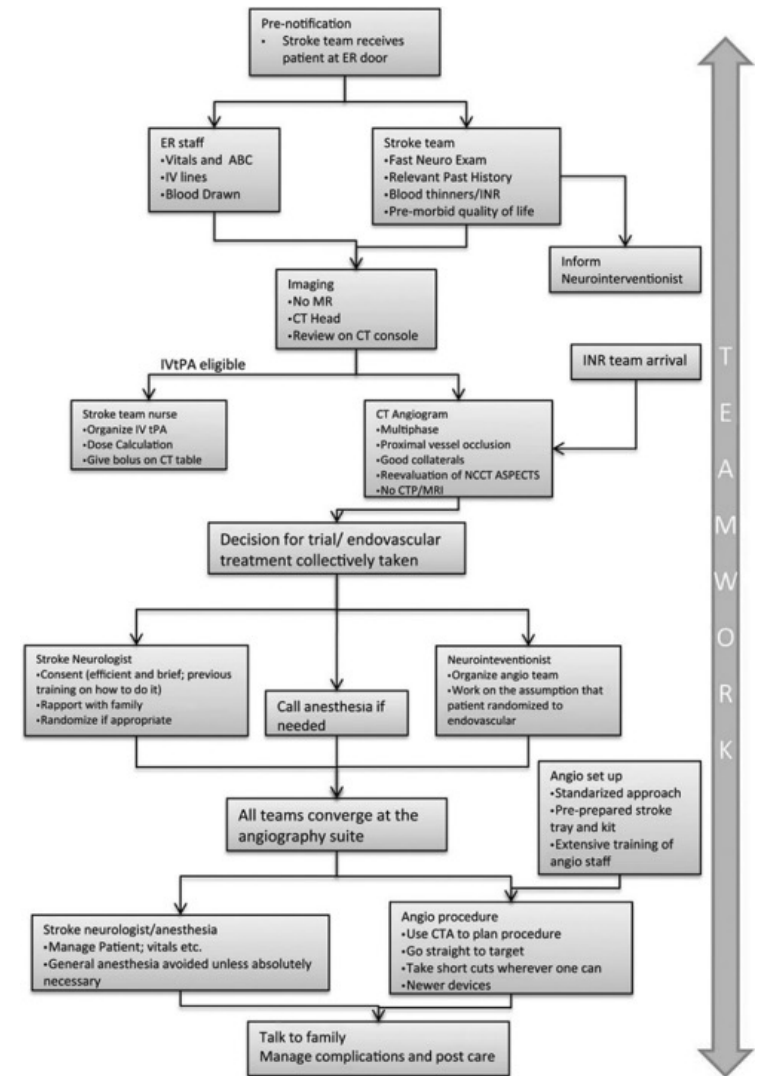
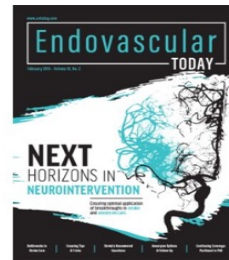
Common bottlenecks in stroke treatment and strategies to resolve them.

By Madhav Sukumaran, MD, PhD; Donald R. Cantrell, MD, PhD; Sameer A. Ansari, MD, PhD; Michael Hurley, MD; Ali Shaibani, MD; Matthew B. Potts, MD; and Babak S. Jahromi, MD, PhD

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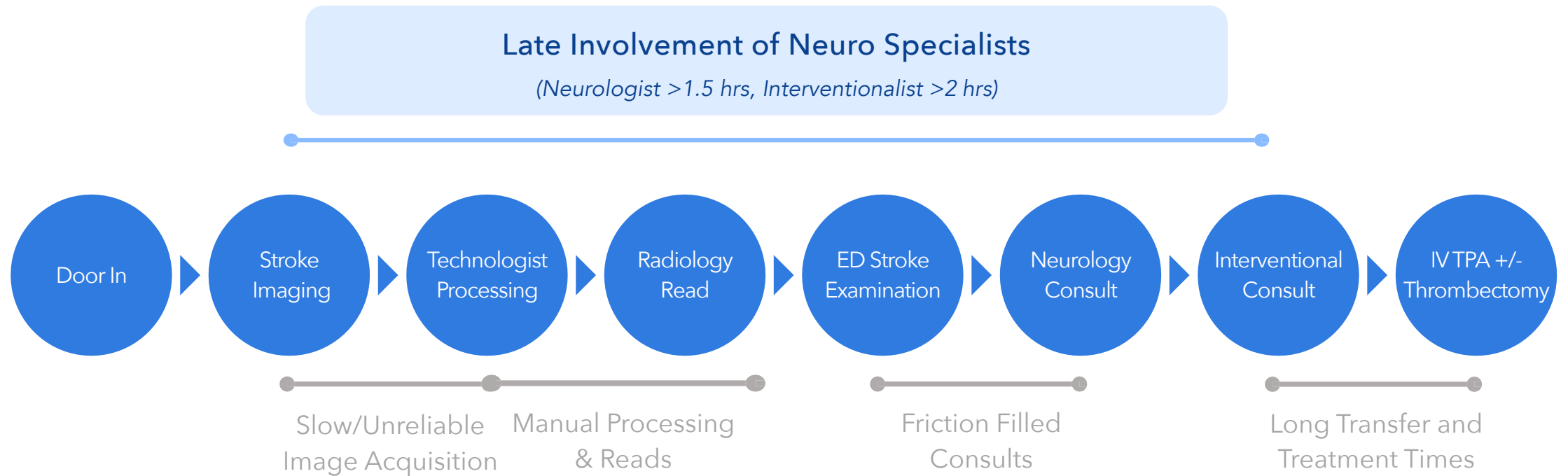
CONCLUSION

Effective stroke treatment must be systematically planned to optimize workflow, reduce bottlenecks and delays, and maximize expeditious treatment. Implementing an effective treatment protocol requires coordination of various providers from multiple specialties into interdisciplinary teams, with an emphasis on communication and teamwork. The



THE PROBLEM

Friction in Coordinating Stroke Care



THE SOLUTION

How can we identify strokes earlier and enable faster treatment?

THE SOLUTION

Possible solutions arising in the field of stroke



Mobile Stroke
Units



Stroke
Helmets



Train More Neuro-
Interventionalists



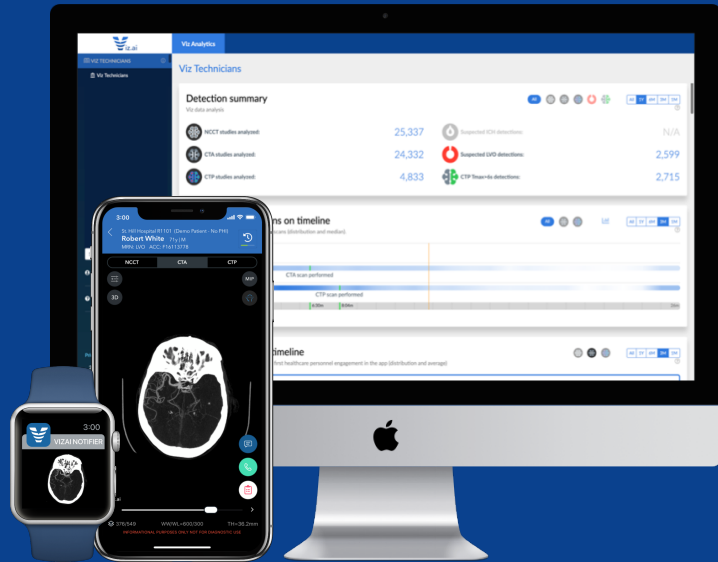
Robotic
Telemedicine



A.I.-Powered
Systems of Action

VIZ.AI

A.I. Powered Systems of Action



1

AI-Powered Disease Detection

2

Real-Time, Automated Alerts and Triage

3

High-Fidelity, Mobile DICOM Image Viewer

4

Secure Patient Messaging & Group Communication
Asynchronous & Synchronous

5

Point of Care Physician Consults & Patient Scheduling

6

Proven Substantial Clinical Benefit



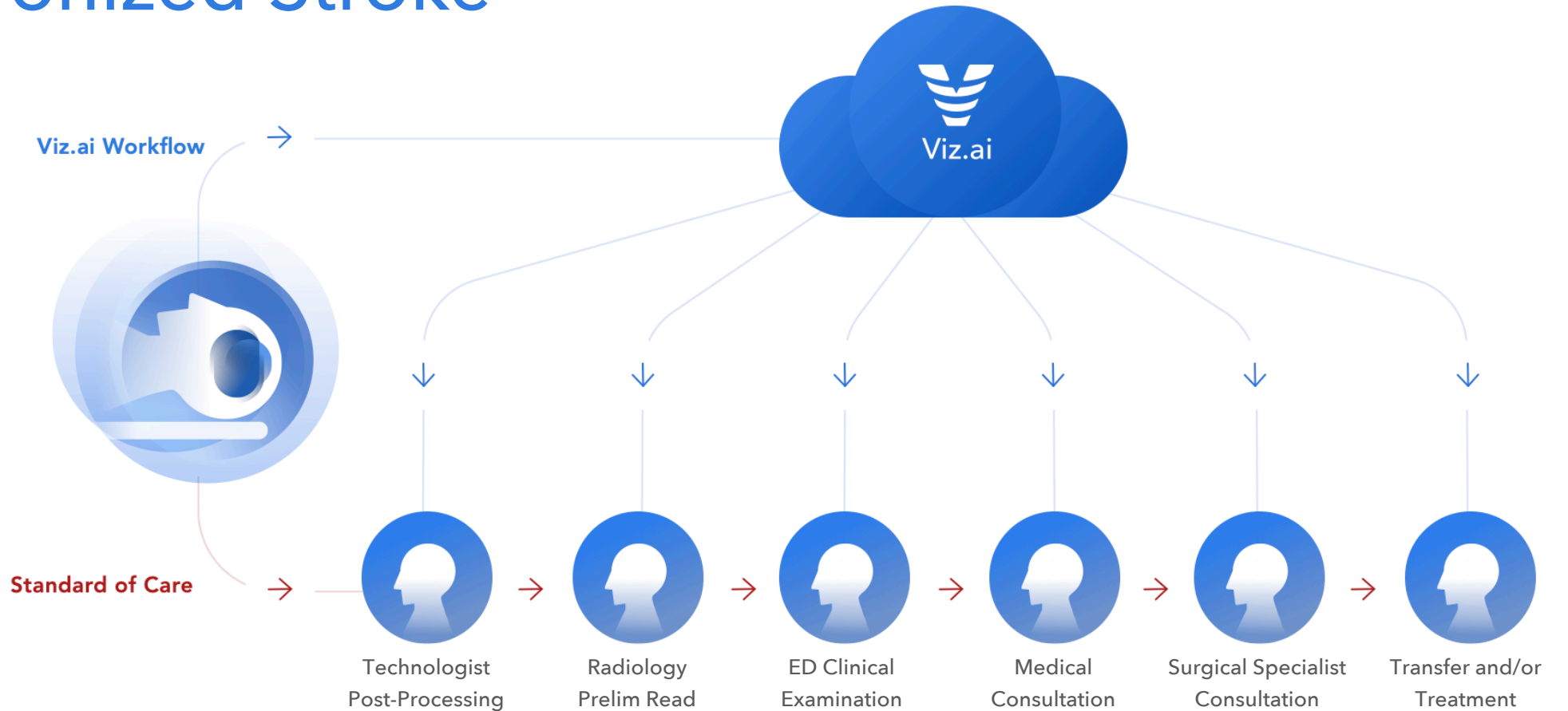
OUR SOLUTION

Intelligent Care Coordination



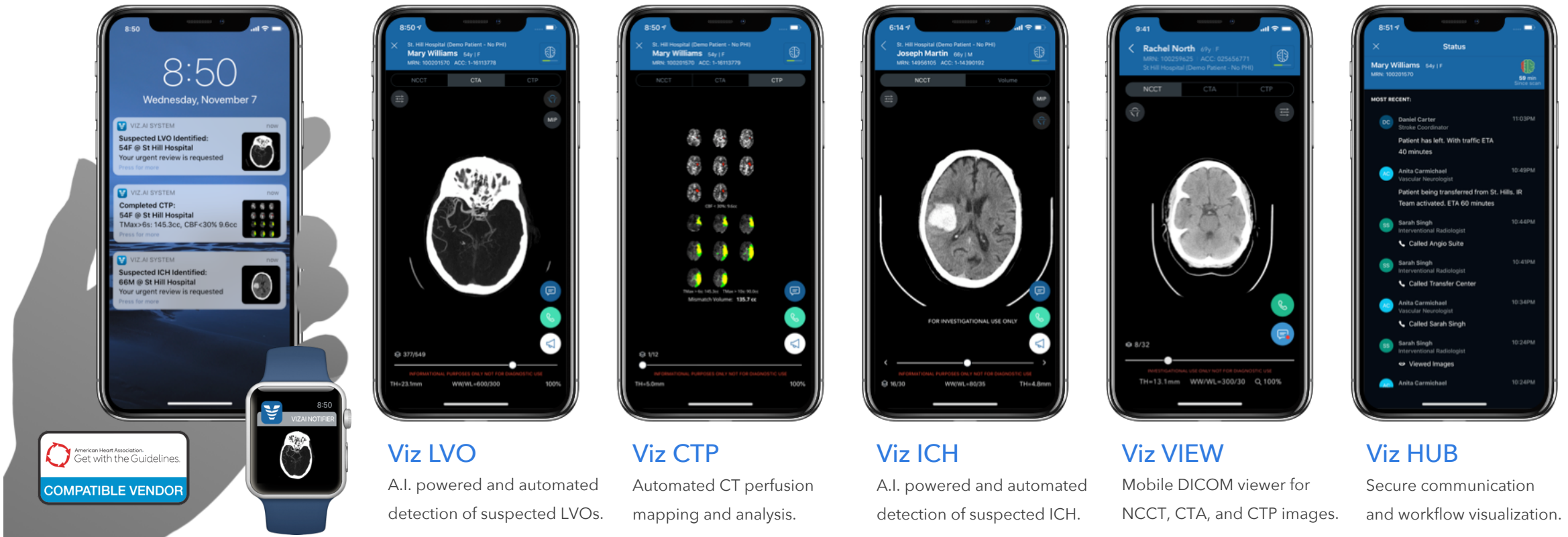
OUR TECHNOLOGY

Synchronized Stroke Care



THE PLATFORM

Intelligent Care Coordination Platform



Viz LVO
A.I. powered and automated detection of suspected LVOs.

Viz CTP
Automated CT perfusion mapping and analysis.

Viz ICH
A.I. powered and automated detection of suspected ICH.

Viz VIEW
Mobile DICOM viewer for NCCT, CTA, and CTP images.

Viz HUB
Secure communication and workflow visualization.

COMPATIBLE VENDOR
American Heart Association. Get with the Guidelines.



FUNCTIONALITY

A.I.-Powered Functionality

Dynamic 3D Viewing

Viz LVO allows dynamic rotation along ANY dimensional axis.

Automated MIPS

Viz LVO creates MIPS can be manipulated in real-time.



A.I. Motion Artifact Correction

Viz CTP uses deep learning to automatically correct for motion.

Patient-Focused & Group Chat

Viz HUB is the "WhatsApp" of healthcare.

Quick Case Sharing & Calling

Viz HUB allows users to share cases and call colleagues quickly.

Actionable Clinical Intelligence

Viz HUB collects and presents actionable clinical information.

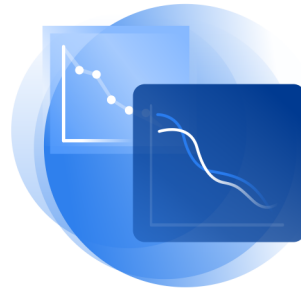
Real-World Clinical Impact



Saving Time

1hr+ Time Savings

After installing Viz, 100% of cases had Door to Skin Puncture time of less than 90 min ($p < 0.001$).¹ Viz resulted in statistically significant time savings of 66 minutes from PSC Imaging to CSC Arrival.²



Shorter LOS

3.5 Less Days in Neuro ICU

Viz resulted in a statistically significant reduction in neuro ICU length of stay by 3.5 days and overall length of stay by 2.5 days.²



Better Outcomes

Improved 90-Day mRS

Viz resulted in statistically significant improvements in 5-day NIHSS (51% improvement), Discharge mRS (37% improvement), and 90-Day mRS (40% improvement).³

THE TRANSFORMATIVE SHIFT

Traditional Care

Meaningful Use Era

- Manual Disease Detection
- Slow Serial Processes
- Costly Information Silos
- Blind Spots in Care Continuum
- Disparate Point Solutions
- Outdated Desktop Tools



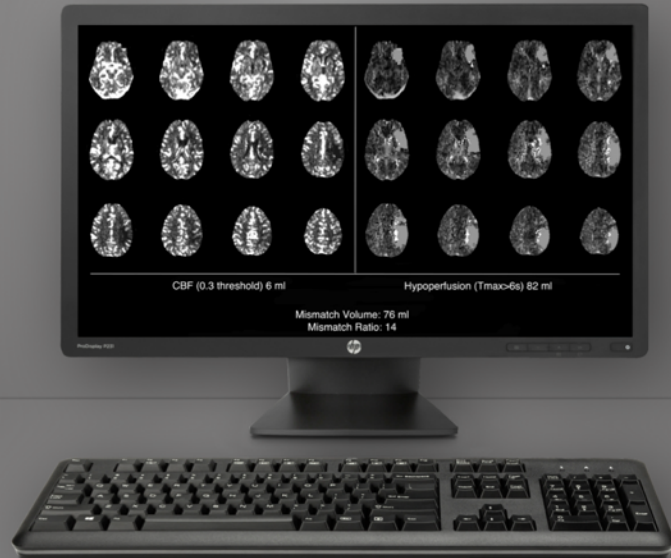
Viz.ai

Intelligent Care

Value-Based Care Era

- Automated Disease Detection
- Efficient Parallel Processes
- Integrated Data & Information
- Visibility Across Care Continuum
- Unified Care Delivery Platform
- Advanced Mobile Experience

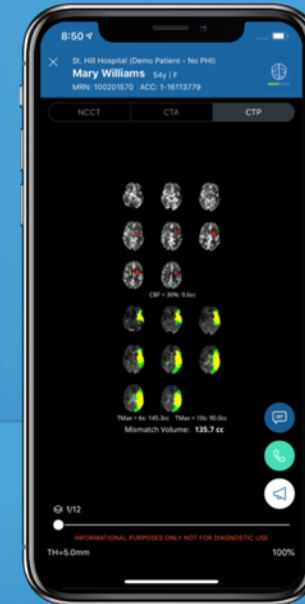
OLD



There's the old way

(Semi-Automated Analysis of CT Perfusion Images)

 NEW



And there's the Viz.ai way

(A.I. Powered and Automated Detection of Suspected LVOs,
Analysis of CT Perfusion Images, and Triage of Patients)

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