

SYNCHRONIZING STROKE CARE

Use of Artificial Intelligence Shows Significant Reduction in Door to Skin Puncture Times at a Stroke Center¹



WHAT IS VIZ?

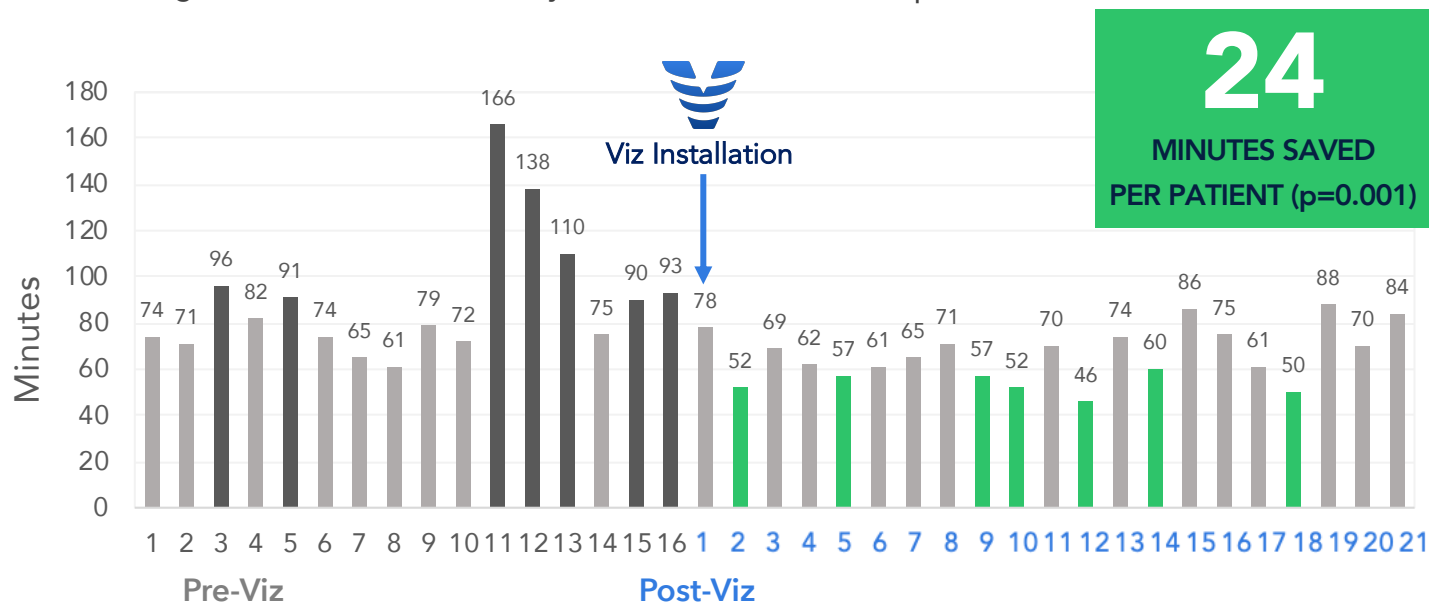
Viz.ai is stroke detection and workflow synchronization software that utilizes artificial intelligence (A.I.) to automatically detect suspected LVO strokes on CT imaging, alert the on-call stroke team, and coordinate care via HIPAA-complaint mobile image viewing and communication.

STUDY DESIGN¹

- Single center, retrospective, investigator-initiated review
- Evaluate Viz's impact on the time from hospital arrival (Door) to skin puncture (Puncture) for LVO patients initially presenting to the emergency department at a thrombectomy-capable stroke center. (n=37)

Significantly Improved Door to Skin Puncture Times

After installing Viz, 100% of thrombectomy cases had DTSP < 90 min ($p < 0.001$)



24
MINUTES SAVED
PER PATIENT ($p=0.001$)

SYNCHRONIZED CARE WITH VIZ.AI

Viz resulted in **statistically significant improvements** in the percentage of patients with door to puncture times of less than 90 min ($p < 0.001$) and 60 min ($p = 0.02$).

	Pre-Viz	Post-Viz	P-Value
% DTSP < 90 min	56%	100%	$p < 0.001$
% DTSP < 60 min	0%	29%	$p = 0.02$



24

MINUTES SAVED FROM
DOOR TO PUNCTURE
PER PATIENT (p=0.001)



EACH MINUTE DELAY IN THROMBECTOMY^{2,3} =

4-DAY LOSS

OF DISABILITY-
FREE LIFE

10-DAY LOSS

OF FUNCTIONAL
INDEPENDENCE
(MRS 0-2)

\$1,059 LOSS

OF MEDIAN NET
MONETARY BENEFIT

PROJECTED IMPACT ON STROKE CARE

24 Minutes =

Projected Additional Days Per Patient



+96 DAYS

OF DISABILITY-
FREE LIFE¹⁻³

+240 DAYS

OF FUNCTIONAL
INDEPENDENCE¹⁻³

Time is Money, Not Just Brain

Annualized Projected Viz Cost Savings

ANNUALIZED PROJECTED COST SAVINGS

Thrombectomies

100 patients per year

Time Savings¹

24 minutes saved per patient

Economic Value^{2,3}

\$1,059 per minute

Viz Cost Savings

\$2,541,600 per year

By synchronizing stroke workflow and significantly reducing time to treatment, Viz may not only improve patients' lives, but also reduce the economic burden of stroke.



Viz.ai

¹ Whaley M, et al. Use of Artificial Intelligence Shows Significant Reduction in Door to Skin Puncture Times at a Stroke Center. Sky Ridge Regional Medical Center. 2020. [Preliminary Analysis]

² Goyal M, et al. Cost analysis of the SWIFT-PRIME trial, ESOC 2018.

³ <https://neuronewsinternational.com/time-is-money-not-just-brain/>