



# Advancing U.S. Stroke Care Through Clinically Validated Solution

## Improving Outcomes for Stroke Patients

3DR Labs partners with Brainomix, a pioneer in stroke artificial intelligence (AI) imaging solutions, to support acute stroke care through Brainomix 360 Stroke.

Brainomix 360 Stroke generates critical information that helps **expand patient access to life-saving stroke treatments** by enabling more patients to receive the right treatment, in the right place, at the right time.

### How does Brainomix 360 Stroke work?

- Uses state-of-the-art AI algorithms to provide real-time interpretation of NCCT scans
- Designed to support clinicians and their imaging-based treatment decisions at all points across the stroke pathway

### How can Brainomix benefit you?

- Enables faster treatment
- Expands patient access to thrombolysis and thrombectomy
- Improves outcomes through enhanced physician decision making



*Results from the largest real-world evaluation of stroke AI indicated a **more than 50% increase in thrombectomy rates** where the **Brainomix software was clinically adopted.***

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## Brainomix 360 Full Stroke Pathway

### NCCT

#### SOLUTION:

Detects Large Vessel Occlusion (LVO) by detecting hyperdense vessel sign, and highlights early ischemic change by measuring hypodensities and infarct volumes

#### BENEFITS:

Automatically calculates probability of early ischemic change at the voxel level and provides segmentation of ASPECTS regions, scoring and ischemic volume

Overlaid heatmaps for visual aid

### CTA

#### SOLUTION:

LVO detection (in addition to NCCT) along with collateral scoring, showing a vessel density ratio determined by measuring ipsilateral flow

#### BENEFITS:

Standardizes the assessment of collaterals with automatic LVO detection in CTA scans

### CTP

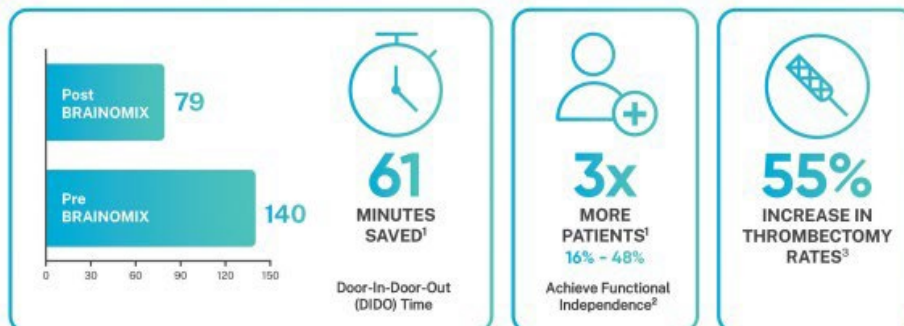
#### SOLUTION:

Automatically estimates core and penumbra volumes  
  
Includes mismatch ratio and HIR from CT Perfusion images

#### BENEFITS:

Generates high-quality visual outputs for faster, objective, and more confident interpretation

## Transformative Stroke Treatment Results



<sup>1</sup> Nagaratnam et al. Int J Stroke. 2021;16:28-29  
<sup>2</sup> Defined as mRS 0-2 @ 90 days

<sup>3</sup> Independent report by Oxford AHSN, in press