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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3DR® LABS

BRAINOMIX

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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:

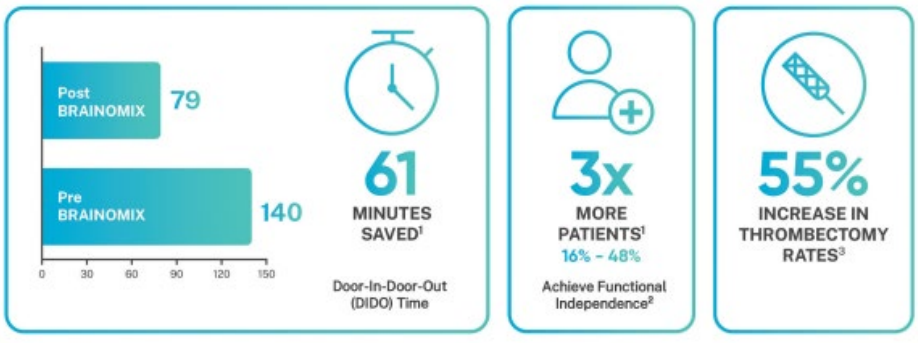
Automatically estimates core and penumbra volumes

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



[1] Nagaratnam et al. Int J Stroke. 2021;16:28-29
[2] Defined as mRS 0-2 @ 90 days
[3] Independent report by Oxford AHSN, in press

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