Fast, Consistent Identification of LVO and Collateral Assessments

e-CTA is a decision support software that uses advanced algorithms, artificial intelligence and large data analytics to automatically detect large vessel occlusion (LVO) and to standardize the assessment of collaterals on CT angiography.

- Fully automates the CTA-CS collateral score, which can be used to select patients for endovascular treatment up to 12 hours from symptom onset.
- Estimates phases of CTA image from automatic arterial input and venous output, and provides visualization of major vessels.
- Supports single and multi-phase CTA.

Visual Reports for Quicker Analysis

e-CTA generates a report depicting the affected side, the location of any detected LVO, the acquisition phase of the study, and the CTA-CS score supported by a color heat-map representing the difference in collaterals between hemispheres. MIP projections are automatically generated to enable fast image assessment, with visual indications of vessel peak enhancement time when multi-phase CTA is available.

A recently published study showed that e-CTA in isolation performs favourably when compared to expert clinicians, and reduces inter-rater variability when used as a clinical aid. ¹
Global Expertise, Local Support

Since launching as a spin-out from the University of Oxford in 2010, Brainomix have developed award-winning AI-powered imaging biomarkers, assisting physicians across the world to make better life-saving decisions.

Our local teams of dedicated Healthcare Managers work closely with each hospital to deliver on-site support, including installation and training, while also working to drive wider adoption of the technology.

You are invited to see a demonstration of e-Stroke.

To find out how e-Stroke can benefit you and your patients, visit our website or contact us:

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