e-CTA

Advanced Solutions to Support Stroke Treatment Decisions

Part of)) e-Stroke AI-Powered Platform

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**.
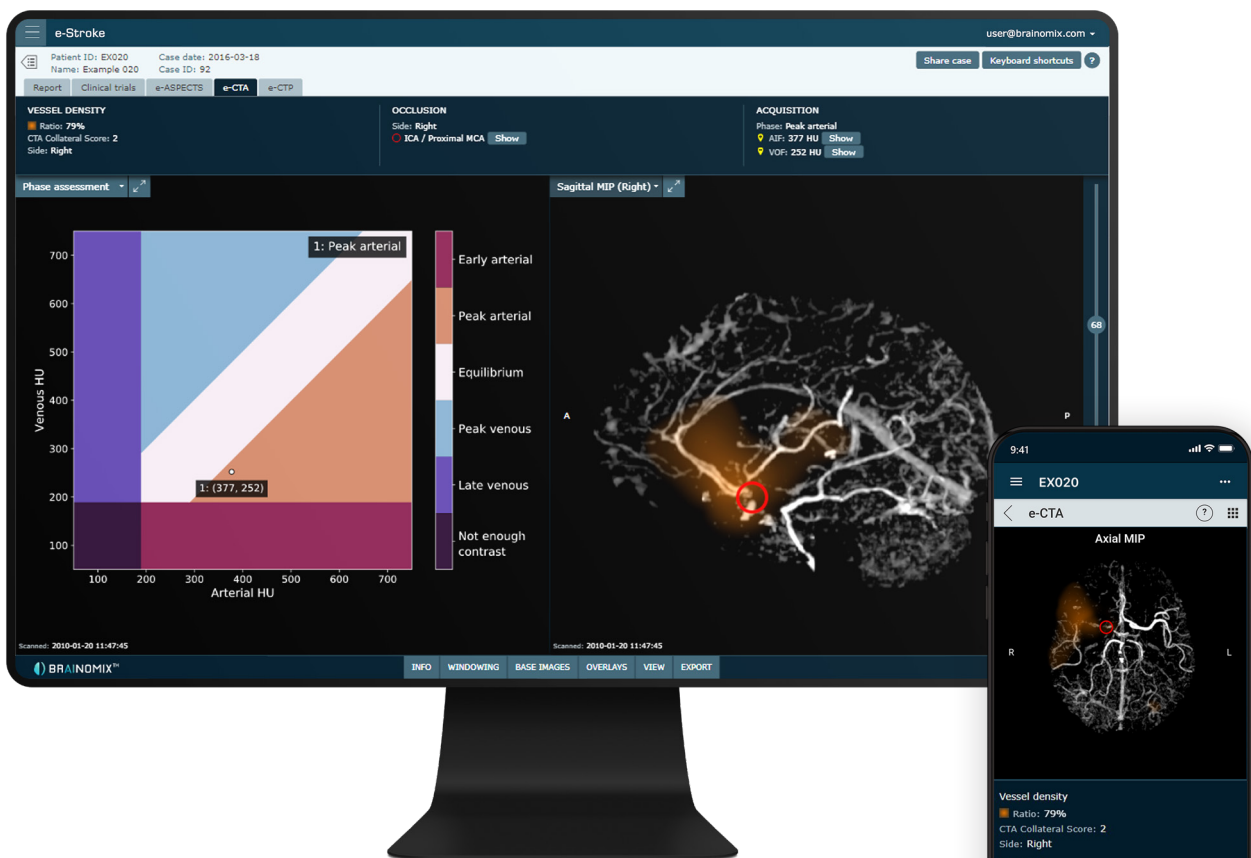
Visual Reports for Quicker Analysis

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]

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1. Grunwald IQ, Cerebrovasc Dis 2019

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:

Brainomix Ltd, UK Head Office:

Suites 11-14, Suffolk House 263 Banbury Road, Oxford OX2 7HN, England

☎ **+44 (0) 1865 582730**
✉ **info@brainomix.com**

Brainomix Europe:

Suite 10380, 26-27 Pembroke Street Upper, Dublin 2 D02 X36, Ireland

☎ **+353 1 636 3150**

www.brainomix.com

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