



The research commercialisation office of the University of Oxford, previously called **Isis Innovation**, has been renamed **Oxford University Innovation**

All documents and other materials will be updated accordingly.  
In the meantime the remaining content of this Isis Innovation document is still valid.


URLs beginning [www.isis-innovation.com/](http://www.isis-innovation.com/)... are automatically redirected to our new domain, [www.innovation.ox.ac.uk/](http://www.innovation.ox.ac.uk/)...

Phone numbers and email addresses for individual members of staff are unchanged

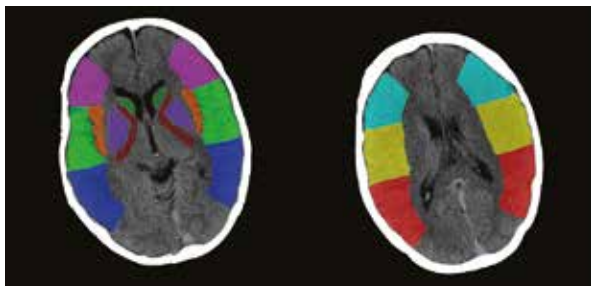
Email : [enquiries@innovation.ox.ac.uk](mailto:enquiries@innovation.ox.ac.uk)

## Brainomix – Improving stroke diagnosis with medical imaging

Brainomix has developed and is commercialising the medical imaging software e-ASPECTS. e-ASPECTS is designed to improve patient selection, thereby increasing the number of patients receiving the life-saving benefits of stroke treatment.

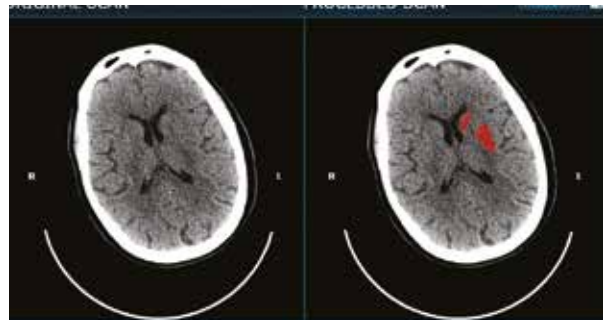
  
**Brainomix**  
Accurate diagnosis of stroke patients for acute treatment requires fast and reliable identification of early signs of stroke damage on brain computed tomography (CT) scans. However, detection of such signs is challenging even for expert stroke physicians.

Brainomix, a start-up of the University of Oxford, has developed and is commercialising the medical imaging software e-ASPECTS that automatically assesses the extent of early stroke damage on brain CT scans by applying the clinically validated ASPECTS score.



The ASPECTS score measures the extent of early stroke damage on CT scans by assigning a score from 0-10, according to how many brain regions have been damaged by the stroke. e-ASPECTS enables less experienced stroke physicians to quickly and reliably interpret brain CT scans of stroke patients. It integrates seamlessly with existing clinical procedures and is aimed at speeding up decision-making. e-ASPECTS addresses the worldwide lack of

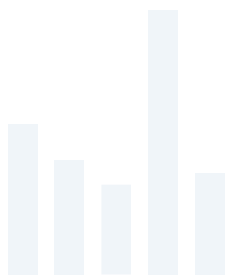
readily available expertise in interpreting brain CT scans of stroke patients. It is CE marked software and is as good as an expert physician in identifying early stroke damage on brain CT scans and applying the ASPECTS score. It correctly identifies 97% of patients eligible for stroke treatment and can identify those at high risk of severe side effects caused by treatment.



Being fully automated, e-ASPECTS standardises CT scan interpretation, removing any inter and intra-rated variability, inherent to manual assessment. Overall, e-ASPECTS is an important diagnostic tool assisting stroke physicians to assess and interpret early stroke damage on brain CT scans of stroke patients. e-ASPECTS is designed to improve patient selection, thereby, increasing the number of patients receiving the life-saving benefits of stroke treatment.



**Dr Michalis Papadakis**  
CEO, Brainomix Limited  
[mpapadakis@brainomix.com](mailto:mpapadakis@brainomix.com)



25%

