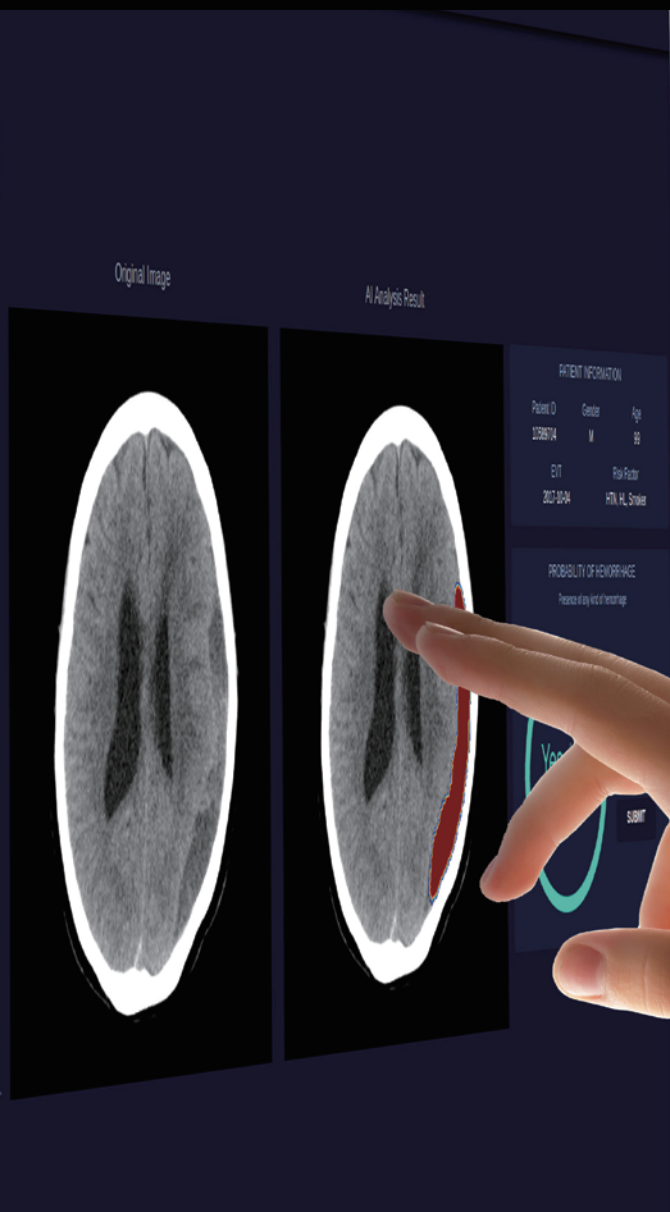
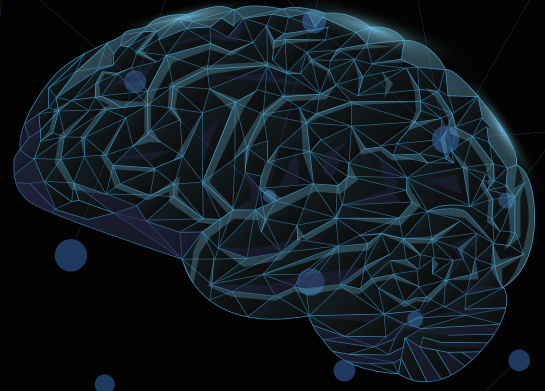


AI for Human Benefit, Everywhere

JBS-06K

AI based Stroke Total Solution



MEDIHUB STROKE





JBS-06K

AI based Hyperacute Stroke Volume Mismatch Analysis Solution

Summary

An Ischemic stroke occurs when a blood clot blocks a blood vessel, preventing sufficient blood flow to each cell. There are two major treatment methods for Ischemic stroke such as thrombolytic drug administration and vascular insertion. For thrombolytic drugs, there is a risk of progression to cerebral hemorrhage, so it is important to know the exact onset time and progress. Therefore, analyzing the image signal information that can determine the exact progress status and cause of occurrence can help doctors to provide accurate treatment.

JBS-06K assists in proper treatment by providing information on the comparison of the infarct core and the penumbra area.

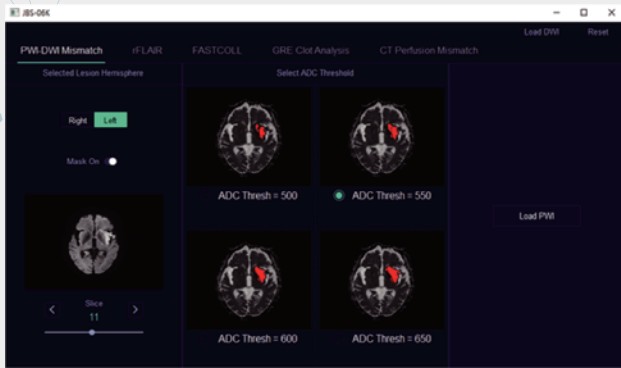
Key Components & Performance

- Analysis Time within 300 seconds
- Convenient patient data management through PACS interworking
- Display analysis result within the program-based user interface

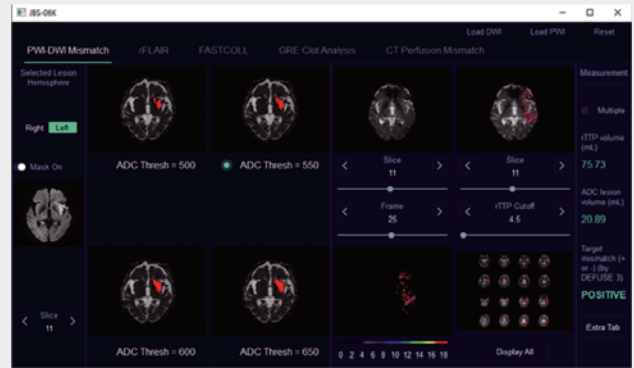
Input / Output

- **Input Data** Patient's Brain MRI DICOM (DWI, PWI)
- **Output Information** Ischemic Core Volume, Penumbra volume, Mismatch

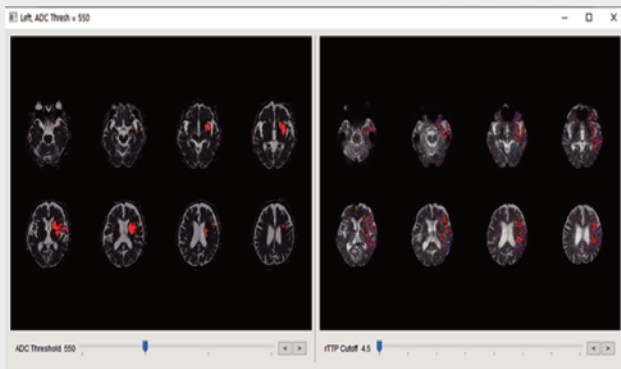
Solution UI



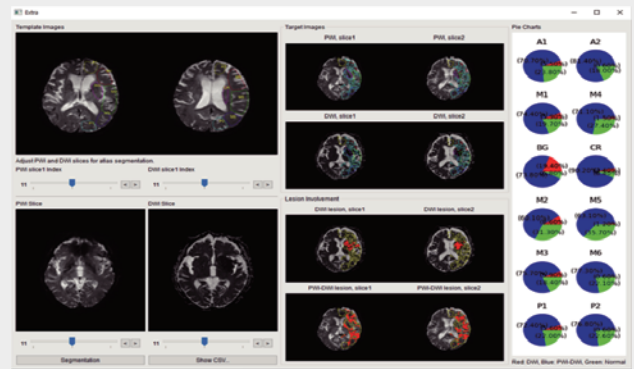
1 Ischemic core segmentation UI



2 Penumbra area segmentation UI



3 Multi slice comparison UI



4 Localization analysis UI

Unique Functionality

- DWI, PWI lesion Localization function
- Provides data for each vascular phase that can judge the severity of Ischemic stroke
- Provides survival rate by estimated time within the lesion area
- 5 segmented analysis of the marked thrombus area



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