



Cerebral hemorrhage is a representative serious disease, and the golden hour is important.



99,235 people per year

Number of incidences of hemorrhagic stroke in South Korea (cerebral hemorrhage)1



2 times increase

Disability/mortality rate when golden hour(1 hours) is exceeded²



35%

Mortality rate within one month after breakout³



7,092 people per year

Death due to cerebral hemorrhage in South Korea⁴

Product Value Proposition



Provides Images by Overlaying Suspected Brain Hemorrhage

- The information on the suspected brain hemorrhage area analyzed by AI is overlaid the original image, when searching individual slice unit images.
- Provides brain hemorrhage probability value(score) not only study unit but also in slice unit.



Al Algorithms to Help Rapid Clinical Decision Making

- Diagnosis priority is provided in 7 levels when searching worklist(Triage).
- It supports the rapid clinical decision making of doctors.



Provides Cloud/On-Premise Platform that can Add Various Al Algorithms.

- Provides an AI runtime platform that can add various AI algorithms in the product.
- Cloud or On-Premise platform can be selected depending on the situations of the medical institutions.



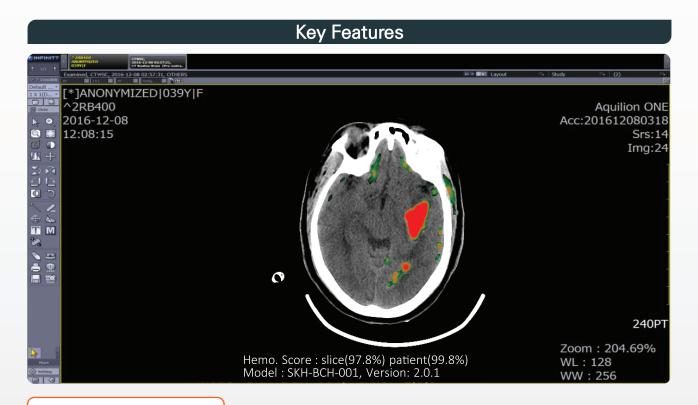




zozz.co.10 r, Martin et al. "Effects of golden hour thrombolysis: a Prehospital Acute Neurological Treatment and Optimization of Medical Care in Stroke (PHANTOM-S) substudy." JAMA neurology vol. 72,1 : 25-30. doi:10.1001/jamaneurol.2014.3188 /health.kdca.go.kr (KDCA, '심뇌혈관질환정보, 뇌혈관질환, 뇌졸중') , 2022.05.10



Brain Hemorrhage Analysis for each slice unit



Marking suspected brain hemorrhage

 After analyzing the brain CT images of the patient, provide an overlaid image of the area suspected brain hemorrhage in the form of a heat map.

Providing possibility information on suspected bleeding

 By converting the analysis result of the brain CT images into a numerical value, the patient's brain hemorrhage probability is displayed as a number between 0 and 100%.

Accuracy

☑ Algorithm accuracy 97.7%

Evaluation Metric	Score
Sensitivity	98.5%
Specificity	96%
Accuracy	97.7%
AUROC	98.74

Accuracy improvement effect by Al-aided image reading (9 Physicians participated in clinical trial)













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