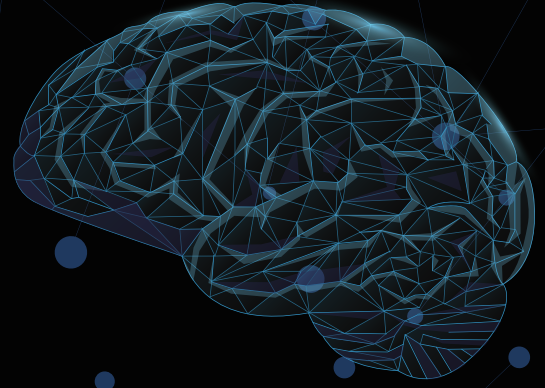


AI for Human Benefit, Everywhere

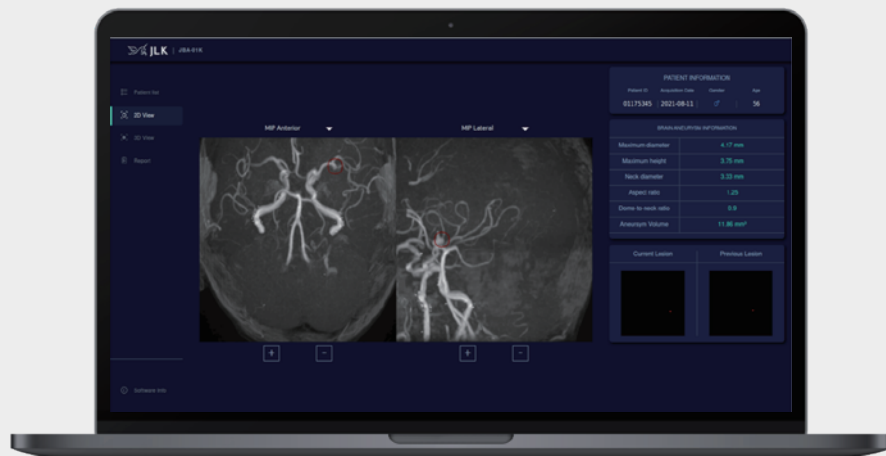
JBA-01K

AI based Cerebral Aneurysm Detection Solution



MEDIHUB BRAINANEURYSM





JBA-01K

AI based Cerebral Aneurysm Detection Solution

| Summary

A cerebral aneurysm is an abnormal dilation of a part of a blood vessel in the brain. These dilated blood vessels can rupture easily, which is a major cause of cerebral hemorrhage. The most common location of such abnormality is the subarachnoid space. If a cerebral aneurysm ruptures at the location, about 30-50% of deaths occur. Therefore, early detection and treatment are required to prevent the rupture of the cerebral aneurysm.

JBA-01K is an artificial intelligence medical solution that detects the location of a cerebral aneurysm from a patient's brain MRA. This solution provides size, ratio, and change in the cerebral aneurysm. It also consists of a customized patient report.

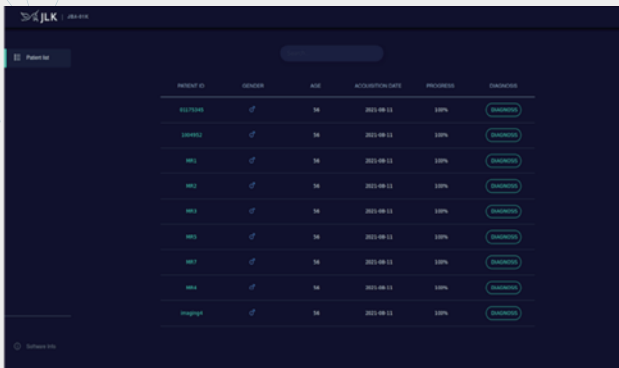
| Key Components & Performance

- Multi Data Center Sensitivity 91.40% / Specificity 86.00%
- Analysis Time : within 300 seconds
- Convenient patient data management through PACS interworking
- Display analysis result within the web-based user interface
- Provide customized patient report

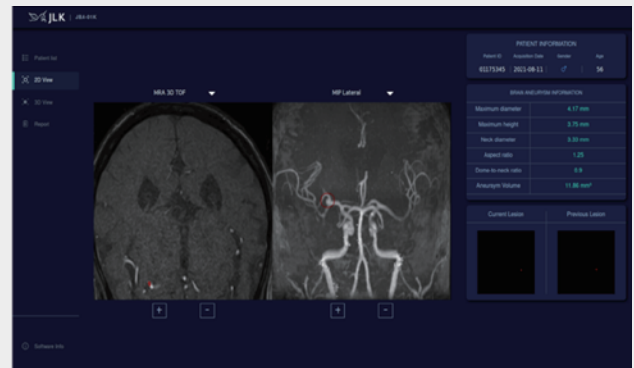
| Input / Output

- **Input Data** Patient's Brain MRI DICOM (3D TOF)
- **Output Information** Cerebral Aneurysm location, Cerebral Aneurysm Size information

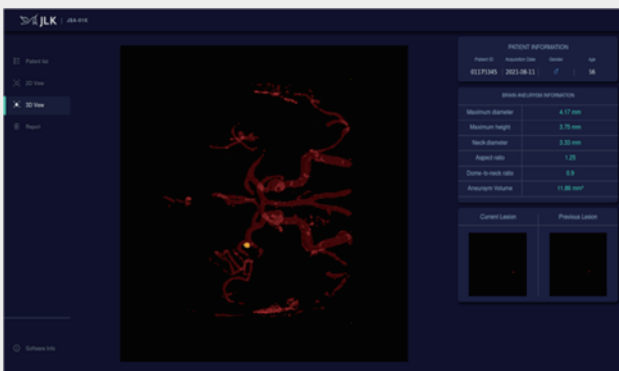
Solution UI



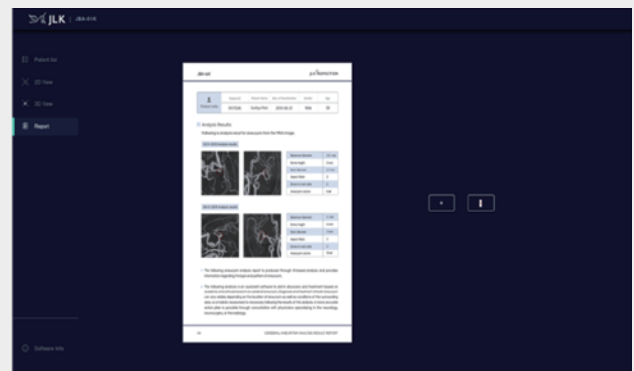
1 Analyzed Cerebral Aneurysm patients list UI



2 Cerebral Aneurysm Analysis result UI (2D View)



3 Cerebral Aneurysm Analysis result UI (3D View)



4 Analysis Report UI

Unique Functionality

- Provide visualization of cerebral aneurysm detection of each MIP and MRA
- Provide 3D brain blood vessel configuration for cerebral aneurysm recognition
- Provide results on cerebral aneurysm size and ratio analysis
- Provide analysis result report



AI R&D Center

JLK Tower, 5 Teheran-ro
33-gil, Gangnam-gu, Seoul,
Republic of Korea

☎ +82-70-4651-4051

JLK, Inc.

#204, 10, Yangcheongsongdae-gil,
Ochang-eup, Cheongwon-gu,
Cheongju-si, Chungcheongbuk-do,
Republic of Korea

JLK US, Inc.

3003 N 1st ST #322, San
Jose, CA 95134, USA

✉ jlk_usa@jlkgroup.com

JLK Japan Co., Ltd.

#208, 6 Chome 10-6 Otsuka
Bunkyo-ju, Tokyo, Japan

✉ jlk_japan@jlkgroup.com