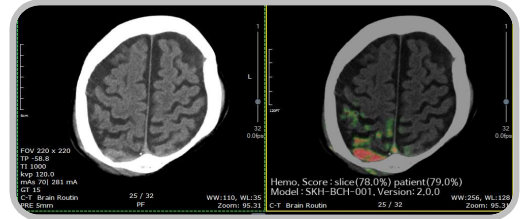


SK Inc. C&C's 『Medical Insight+』 supports the rapid and accurate diagnosis of brain diseases within the existing diagnostic workflow used by healthcare institutions.

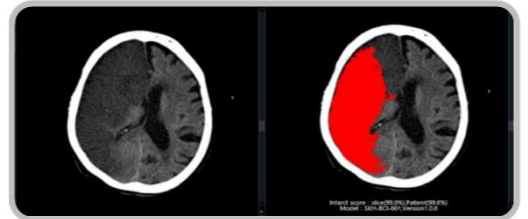
Medical Insight+ 『Brain Hemorrhage』

- ✓ Cerebral hemorrhage diagnosis assistance solution based on **Non-contrast CT image**
- ✓ Medical device approved by Korean FDA, **FDA approval in progress in US**



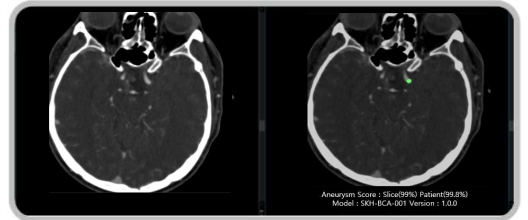
Medical Insight+ 『Infarction』

- ✓ Cerebral infarction diagnosis assistance solution based on **Non-contrast CT image**
- ✓ Simultaneous reading of cerebral hemorrhage and infarction in the entire brain area



Medical Insight+ 『Aneurysm』

- ✓ Cerebral infarction diagnosis assistance solution based on **CT-Angiography (CTA)**
- ✓ **3 mm brain lesions or less can be detected.**



Mobile Diagnostic Support Tool

✓ Anytime, anywhere, automatic notification of suspected cases, mobile DICOM viewer, Communication

01 Suspected patient notification



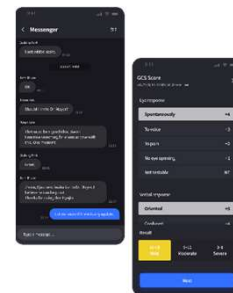
Check the results of AI analysis in your cellphone as the emergency patient's CT scan at the same time

02 Mobile DICOM Viewer



Check patient and AI analysis images anytime, anywhere

03 Team communication



Supports smooth collaboration between medical staff

Deep learning based automatic detection algorithm for acute intracranial hemorrhage
: a pivotal randomized clinical trial

T. J. Yun, J. W. Choi et al, npj Digital Medicine (2023)

Clinical Trial

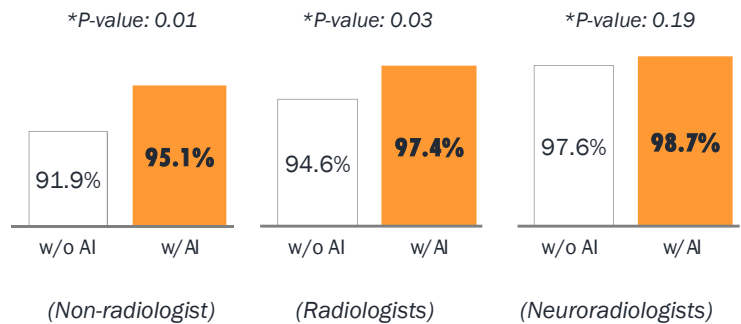
✓ **A multi-center, randomized retrospective, crossover design, superiority, pivotal study**

- **Brain CTs from 296 patients**
(146 AIH and 150 normal)
- **By nine reviewers**
 - Non-radiologist physicians (n = 3)
 - Board-certified radiologists (n = 3)
 - Neuroradiologists (n = 3)

[All Reviewers]

	Without AI	With AI	P-value
Sensitivity	94.4%	97.2%	0.0017
Specificity	95.0%	96.9%	0.0376
Accuracy	94.7%	97.0%	0.0075

[Each Reviewers Group]



External Validation

✓ **Three institutions, 49,841 patients,**

- **6,442 patients showed AIH**
 - 2,424 cases (SAH)
 - 2,738 cases (SDH)
 - 371 cases (EDH)
 - 1,266 cases (IVH)
 - 3,367 cases (ICH)

[AI Performance in Patient-wise Analysis]

	Accuracy	Sensitivity	Specificity	AUC
(N = 49,841)	0.977	0.944	0.982	0.992

[AI Sensitivity by AIH Subtype]

	SAH	SDH	EDH	IVH	IPH
(N = 6,442)	0.954	0.933	0.933	0.994	0.977

[AI Accuracy by Scanner]

	GE	Philips	Siemens	Toshiba
(N = 49,841)	0.97 ~ 0.98	0.95 ~ 0.99	0.94 ~ 0.98	0.99