

Solution: ICH/Brain Bleed Detection

MaxQ AI

RESULTS

INTEL®
AI BUILDERS
MEMBER

3.7X INCREASE

In inference performance over baseline for ICH detection



Partner:

MaxQ AI's© Medical Diagnostic AI Accipio ecosystem delivers near real-time answers enabling doctors to make faster, more accurate decisions when diagnosing stroke, brain trauma, and other serious conditions.

Challenge: Medical errors are the third-greatest cause of death in the U.S. As an example, stroke patients are misdiagnosed in emergency rooms between 9% and 30% of the time. It is critical to quickly and accurately assess whether a patient has an intracranial hemorrhage (ICH), commonly known as a brain bleed.

Solution: MaxQ AI's FDA-cleared and CE-approved Accipio™ IX software platform uses deep-learning technologies to automatically analyze non-contrast CT images for ICH. MaxQ AI can now achieve over 300% acceleration in the computational flow of algorithms in the company's Accipio IX software on Intel® AI, without impacting detection accuracy.

White paper: <https://builders.intel.com/ai/blog/maxq-ai-deep-learning>

Marketing Assets: <https://builders.intel.com/ai/social-hub/podcast/revolutionizing-advanced-healthcare-imaging-with-maxq-ai-and-intel-intel-on-ai-episode-05>

Configuration: Intel® Core i9-7960X @ 2.80 GHz, 16 physical cores, 64 GB physical memory

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors.

Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit <http://www.intel.com/performance>. Performance results are based on testing as of August 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

