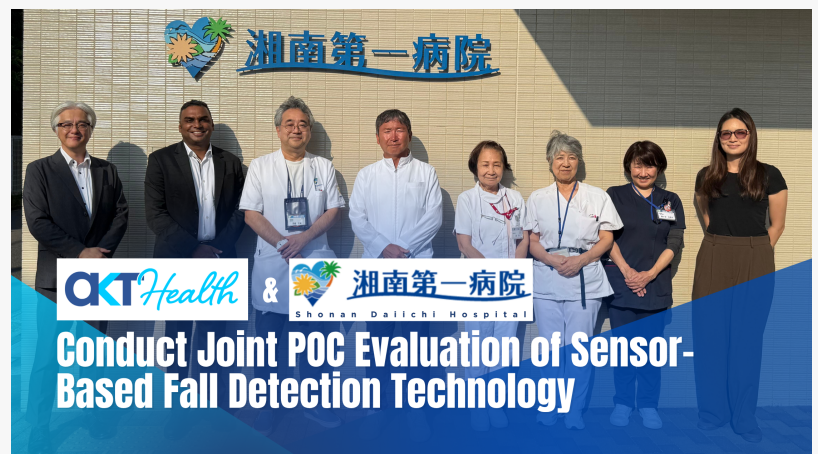


Shonan Daiichi Hospital and AKT Health Conduct Joint POC Evaluation of a Sensor-Based Fall Detection Technology

A Proof-of-Concept in a Real Clinical Environment Evaluates the Implementation Feasibility of Elder Safety Technology in Japanese Healthcare Settings

TOKYO, JAPAN, August 21, 2026 /EINPresswire.com/ -- [AKT Health Co. Ltd.](#) today announced that it has conducted, jointly with Medical Corporation Shonan Mirai [Shonan Daiichi Hospital](#) (Fujisawa City, Kanagawa Prefecture), a proof-of-concept evaluation (POC) in a real clinical environment of a fall detection system developed by an overseas digital health startup developing next-generation sensor-based fall detection technology for older adults.



AKT Health and Shonan Daiichi Hospital conducted a joint proof-of-concept evaluation of sensor-based fall detection technology in a real clinical environment in Japan.

The purpose of this POC evaluation was to examine the technology's usefulness and operational challenges in Japan's real clinical environment, and to evaluate the implementation feasibility of a new medical technology that may contribute to improving the safety of older adults.

The evaluation was conducted in the inpatient ward of Shonan Daiichi Hospital and involved 22 healthcare professionals, including nursing staff, healthcare practitioners, and hospital management. Participants evaluated the system's usability, compatibility with clinical workflows, and operational considerations, generating practical insights regarding its implementation feasibility in Japanese healthcare settings.

Through this project, [AKT Health](#) and Shonan Daiichi Hospital evaluated the fall detection technology in a real Japanese hospital environment, identifying its potential, operational challenges, and areas for improvement. Healthcare professional feedback will inform future development and potential deployment in Japan.

“Improving patient safety is one of the most important missions of any medical institution. Through this joint demonstration evaluation, we had the opportunity to assess a fall-detection technology currently under development in an actual hospital ward setting. We hope that the insights gained through this project will not only enhance the safety of our patients but also contribute to the further advancement of medical technology. Going forward, we will continue to actively explore new medical technologies that can improve patient safety, evaluating them on the basis of scientific evidence.” Koichi Shimamura, Director at Shonan Daiichi Hospital

Pilot Evaluation Overview



 Participating Medical Institution	Medical Corporation Shonan Mirai Shonan Daiichi Hospital
 Location	1-19-7 Shonandai, Fujisawa City, Kanagawa Prefecture, Japan
 Technology Evaluated	Next-generation sensor-based fall detection system developed by an overseas digital health startup
 Participants	22 Healthcare Professionals
 Evaluation Scope	Real-world clinical evaluation covering usability, workflow integration, and operational requirements
 AKT Health Role	PoC design, hospital partnership coordination, pilot operations, regulatory and data governance support, and market development support
 Outcome	Operational evaluation completed; foundation established for next-phase development

Pilot evaluation overview highlighting the clinical setting, participants, evaluation scope, AKT Health’s role, and outcomes of the joint fall detection technology PoC.

“We were honored to be chosen as the site for this technology demonstration, which gave us our first experience taking part in the development process of a medical device. We came to appreciate firsthand the difficulty of development, in which outcomes are shaped not only by the device's performance but also by the interplay of patient behavior, medical staff workflow, & the clinical environment. We would like to express our respect for the developers & AKT Health, who are taking on the challenge of global innovation. We hope that the insights gained at a single hospital in Japan will contribute to the further advancement of this technology & its appropriate adoption in clinical practice.” Michitaka Nagashima, Deputy Director at Shonan Daiichi Hospital

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If advanced technologies such as AI can be introduced into clinical practice to provide instant information on fall risk, this could greatly improve patient care and the workflow for clinical staff”

Hideko Kudo , Director of Nursing at Shonan Daiichi Hospital

Preventing falls among inpatients is an important patient safety priority for healthcare institutions in Japan. As the proportion of older patients continues to increase, preventing and responding quickly to falls is becoming increasingly important not only for ensuring patient safety, but also for reducing the workload of healthcare professionals. At the same time, introducing new medical technologies into clinical practice requires more than confirming technical performance. It is important to evaluate, in a practical manner, whether the technology can be operated smoothly in actual clinical settings, whether it fits existing workflows, and what value it can bring to patient care. This proof-of-concept evaluation was

conducted from this perspective, with the aim of assessing the implementation feasibility of fall detection technology in Japan's real clinical environment.

"As an acute-care hospital specializing in elderly patients, preventing falls and ensuring patient safety is one of our most important nursing objectives. If advanced technologies such as AI can be introduced into clinical practice to provide instant information on fall risk and enable it to be used appropriately, this could greatly improve both the care environment for patients and the workflow for staff. We look forward to seeing the results of this work going forward." Hideko Kudo, Director of Nursing at Shonan Daiichi Hospital



Representatives from Shonan Daiichi Hospital and AKT Health following the pilot evaluation in Fujisawa City, Kanagawa Prefecture, Japan.

AKT Health supported the overall proof-of-concept evaluation as a bridge between the overseas company and the Japanese medical institution.

- Hospital Partnership: Stakeholder coordination and institutional engagement.
- PoC Design: Evaluation framework, criteria, and implementation planning.
- Pilot Coordination: On-site deployment and coordination between the hospital and technology developer.
- Regulatory & Data Governance: Support for applicable regulatory and data requirements.
- Evaluation & Market Strategy: Healthcare professional feedback analysis and Japan market considerations.

Outcomes of the Proof-of-Concept Evaluation

The following outcomes were achieved:

- Evaluation conducted in a real clinical environment by 22 healthcare professionals
- Operational challenges and areas for improvement in a Japanese hospital environment identified and organized
- Practical feedback collected from healthcare professionals
- Foundational data obtained for future product improvement and additional validation
- Considerations organized for future development in the Japanese market

"Healthcare innovation requires rigorous evaluation in real clinical settings. Our collaboration with Shonan Daiichi Hospital generated valuable insights to support evidence-based assessment and future implementation of emerging patient safety technologies." Aditya Tallapragada, President, AKT Health Co. Ltd.

AKT Health & Shonan Daiichi Hospital will use the findings from the PoC to inform future

technology development and validation. AKT Health will continue connecting global healthcare innovators with Japanese medical institutions through clinical evaluation, regulatory, & market-entry support.

About Shonan Daiichi Hospital

Our hospital is a distinctive acute-care hospital unlike any other in the Shonan/Fujisawa area, focusing on inpatient and home-visit care for elderly patients, particularly those requiring long-term care at nursing facilities while also drawing on our local presence to provide outpatient care for common diseases among residents. To protect the lives of elderly patients requiring care and the health of the generations who support them, we also take an active role in public health initiatives such as health checkups, adult vaccinations, and medical consultations. Although we are a small hospital with fewer than 100 beds, our staff work together with energy and unity, guided by a shared commitment to "not viewing the elderly as a risk," as we envision the future of both our hospital & our community

About AKT Health Co. Ltd.

AKT Health Co. Ltd. is a healthcare and life sciences consulting firm supporting global organizations across clinical, medical, outcomes, and commercial strategy, from evidence generation and market access to commercialization in Japan and international markets.

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