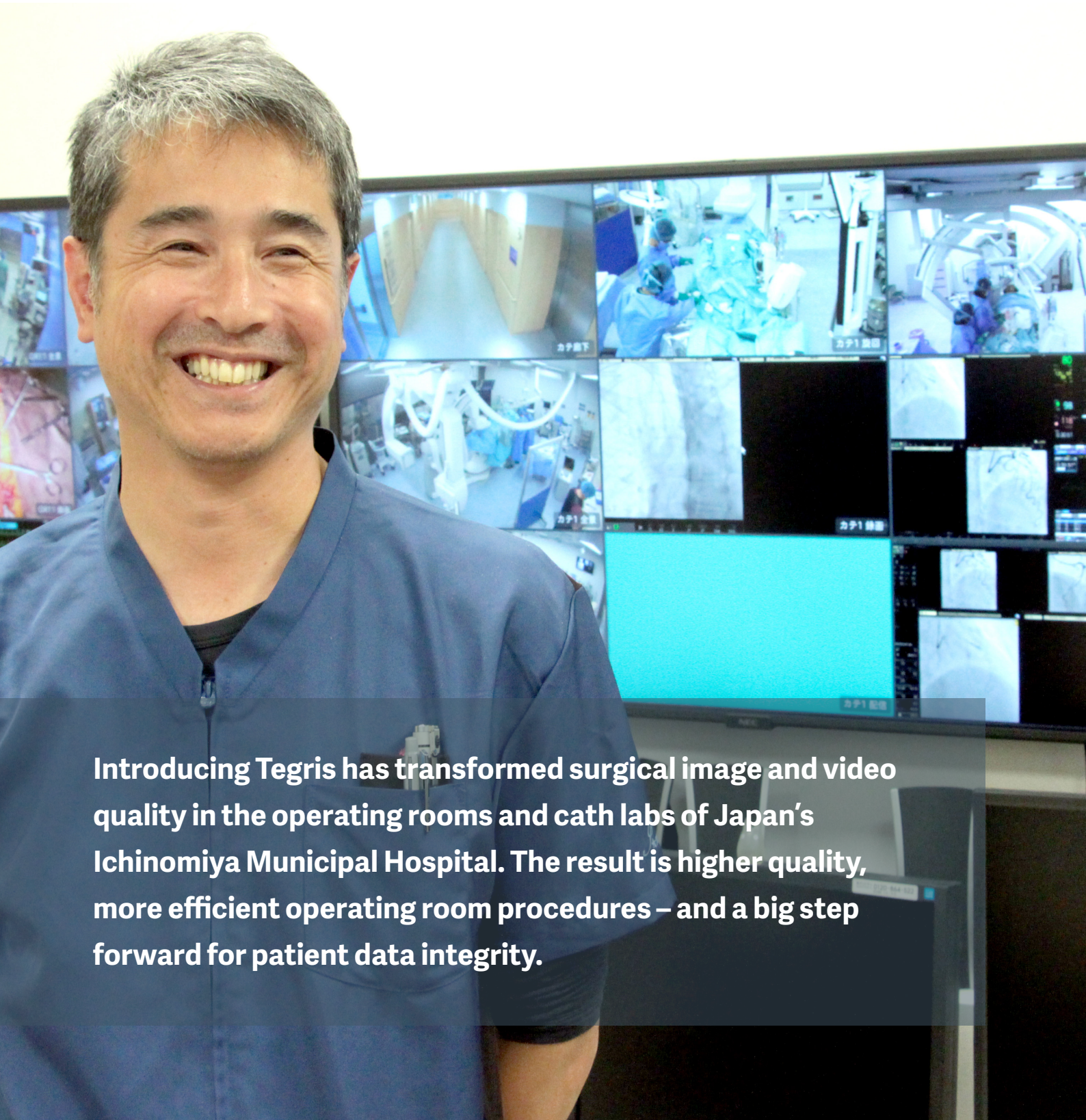
CUSTOMER CASE STORY

Improving risk management with Tegris OR Integration



Introducing Tegris has transformed surgical image and video quality in the operating rooms and cath labs of Japan's Ichinomiya Municipal Hospital. The result is higher quality, more efficient operating room procedures – and a big step forward for patient data integrity.

Mr. Arata, Cath Lab Technician at Ichinomiya Municipal Hospital in Japan

"The improvements delivered by Tegris go well beyond image quality and integration. Our workflows are more efficient now. Surgeons and nurses alike are happier and enjoy a less stressful work environment."

When Ichinomiya Municipal Hospital made the leap from analog to digital imaging with centralized device control, the results were instant. Untidy camera setup with cabling on the floor as well as time-consuming procedures disappeared and auto-storage of images and video directly enhanced transparency and privacy of patient data. State-of-the-art video routing eased workloads of the operating room and cath lab staff, allowing time to devote more attention to core priorities like patient care.

Back in 2018, Ichinomiya Municipal Hospital was struggling on multiple fronts with its surgical imaging equipment. Low resolution on the hospital's analog cameras was causing poor image quality. Setting up cameras and monitors was time-consuming for nurses, especially in the hospital's cath labs. Cath Lab Technicians monitored devices on a machine-by-machine basis, lacking overview. Surgeons stored all their images and videos personally, potentially compromising patient data security.

"We were facing a number of challenges," acknowledges Mr. Arata. "Nurses were spending a lot of time preparing cables for transportable imaging devices. And they had to set up devices before the surgery and then unplug the cables again after surgery. We had people and equipment going in and out of the operating room during surgeries, which is not ideal for infection control. Additionally, because surgeons curated and stored their own images and video, we had an ethical issue when it came to complying with patient privacy and integrity."

"The most visible change was a huge improvement in image and video sharpness. Seamless distribution of images and videos helped our surgeons to conduct procedures with more confidence."

Ichinomiya Municipal Hospital in numbers:

No. of beds:	594
No. of employees:	1,200
No. patients/year:	14,427
Average length of stay:	11.4
No. of ORs:	12
No. of surgical procedures/year:	5,000
No. of cath surgical procedures/year:	450

Ichinomiya Municipal Hospital uses Getinge's Tegris OR integration system to connect 15 rooms, including 12 operating rooms, two cath labs and a hybrid operating room.

With Tegris, we have no signal delays between the surgery and live images.

Introducing new digital technology in the form of Getinge's Tegris OR integration system, the hospital found the solution they were looking for. Tegris now handles video and data integration seamlessly, resulting in a simpler and safer working environment at Ichinomiya Municipal Hospital.

"What we saw was improved working conditions during surgery. By centralizing the archiving of files from surgeries, it became possible to assign designated storage destinations for each recording file, making it easier to organize files after a procedure and to find the files again when requested by surgeons," Mr. Arata says.

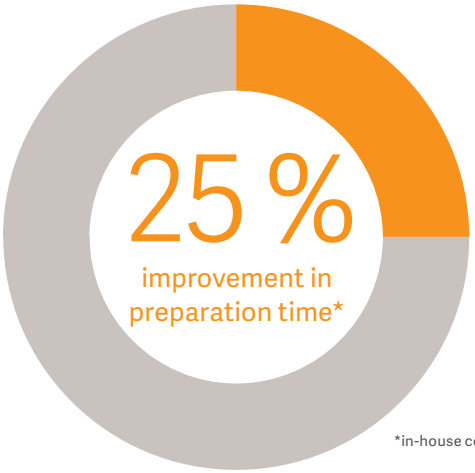
Nurses found their workloads reduced because they were no longer required to install equipment in the operating rooms before each surgery or to shift equipment around post-surgery. With new universal connectors, automatic detection of connected signals/cameras, the nurses simply plug the cable and it works. Additionally, the new setup in the operating rooms, with cables hidden and sockets properly installed, has lead to having less equipment and made it easier to ensure high standards of infection control.

Centralized file management eliminated the previous process of copying post-surgery DVDs for the surgeons. "Images and video from each surgery are now automatically archived in Tegris for documentation and later use by the surgeon and relevant staff. This makes for a much smoother process," Mr. Arata explains.

"The centralized monitoring of images and videos in operating rooms and the cath lab makes an intuitive interface that is very user-friendly. Tegris is so easy for everyone to use, which improves our operability and safety."

Tegris's integrated functions, like recording, camera control and receiver control, have been well received by the staff. It is easier to manage and prepare all cameras in the operating rooms and cath labs.

The preparation time for setting up the operating room prior to surgeries, and then returning it to its previous condition after an operation, has been reduced. In the cath lab, Tegris has cut preoperative and postoperative preparation time by 25 percent*, which the staff are delighted about.

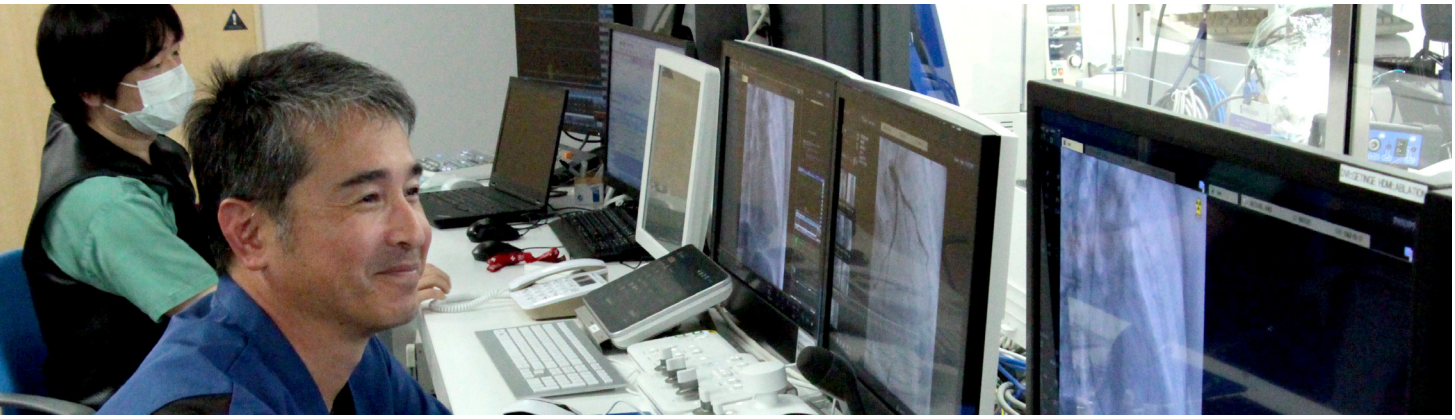


*in-house comparison

"Introducing Tegris has reduced surgery time, resulting in lower patient stress and more efficient use of our operating rooms and equipment."

Based on latest video-over-IP technology, Tegris provides high-resolution images including zoom-in and zoom-out functions with maintained image quality and no signal delays between the surgery and live images are important factors for Mr. Arata and his team. "The functionality allows us to work without stress and to monitor delivered images anywhere in the hospital," Mr. Arata says.

"We want to create a better environment for our customers and patients," Mr. Arata says. "Getinge's remote service and support offerings will ultimately contribute to further reducing our total cost of ownership. Holistic one-stop solution services are the way forward.



3rd party opinion disclaimer: The views, opinions and assertions stated by the cath lab technician are strictly those of the the cath lab technician and their practice and do not necessarily reflect the views of Getinge.

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