

PSP Corporation.

is a developer of medical systems. Since our company was founded in 1989, we have provided a wide range of systems for radiology departments such as PACS, Radiology report, Radiology information system that follow international standards, which are a great help to radiologists and technicians for examination, diagnosis, and treatment.

PSP stands for **Public and social systems Solution Provider.**

Our MISSION is to contribute to better health and nurture the social bonds of trust through our innovative medical imaging solutions. We strive to design and develop excellent imaging systems that fulfill the challenging imaging needs of today's modern healthcare.

We are responsible for assisting medical professionals, who have a mission to protect human life, strengthen society, and improve their communications.

Therefore we constantly strive to deliver our superior, highly reliable, cutting edge medical systems around the world.

We have worked with top radiologists in Japan for many years and have been well-acquainted with modalities and their radiology workflow.

Our capacity for technological developments to respond to their detailed needs is one reason our users selected and highly evaluated our products, in addition to the high quality.

PSP has been assessed and certified as meeting the requirements of ISO 13485.

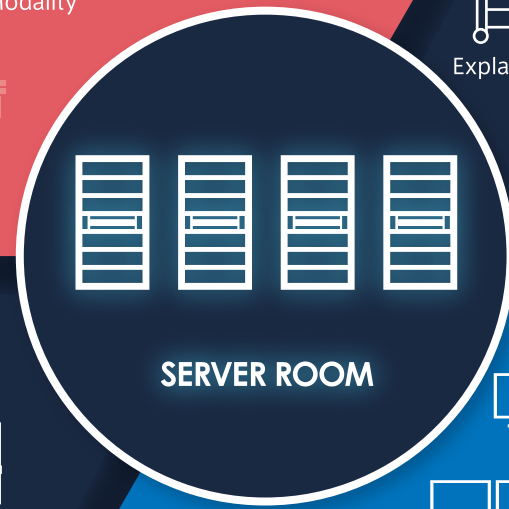
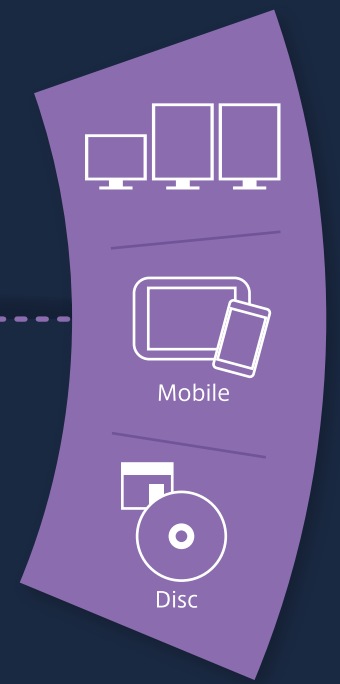
IMAGING CENTER

RIS : ARISation
PACS : EV Insite System
Reporting system : EV Report



INTER-HOSPITAL NETWORK

Teleradiology system
Emergency viewing system
EV Insite System
Option for connecting disk publisher



IN-HOSPITAL NETWORK

PACS : EV Insite System
Reporting system : EV Report
Case file management system
Sub EMR



INTERPRETATION CENTER

PACS : EV Insite System
Reporting system : EV Report
Case file management system

PSP obtained FDA 510(k) clearance for EV Insite System

ExtServer — DICOM server —

DICOM experts responsibly manage patients' data.

- Storage
- Store and manage images in DICOM format received from modalities and workstations over the TCP/IP based network in compliance with DICOM standards
 - SCU (Service Class User) or SCP (Service Class Provider) function as DICOM Storage Service Class
 - Record information of received images in log files
 - Image management database with Hierarchical Storage Management (HSM) function to manage images intelligently and efficiently among the multiple tiered storages
 - User management function to manage user's permission levels and user's password settings
 - Customizable forwarding function
- Q/R (Query/Retrieve)
- Transfer images in DICOM format to modalities and workstations over the TCP/IP based network in compliance with DICOM standards
 - SCP (Service Class Provider) function as DICOM Query/Retrieve Service Class



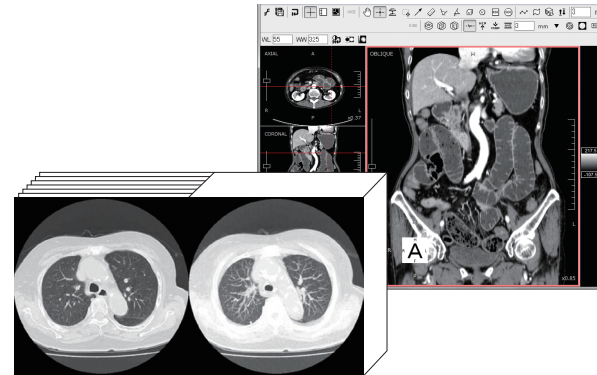
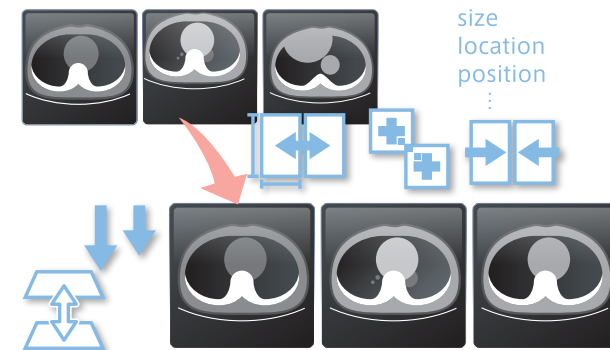
We place the greatest emphasis on speed.

We are talking about;

- The speed with which the image appears on the screen
- The quickness where just one click enables you to use all functions
- The simplicity where the ideal environment appears before you with the least time and effort

For example, if you can find the ROI while paging through a series, you can zoom in, and bring it to the center of the displayed frame. You can display a series of different phases of dynamic imaging of the same slice, in exactly the same size and same location. Differences in thickness don't matter.

We believe routines should be simple and speedy, all the more so because you repeat them time and time again every day.



You might have overlooked.

The thickness of a lung CT having changed from 10 mm to 1 or 1.5 mm, it takes great effort to catch a small nodule out of so many images. By applying MIP or MinIP on the images that are thickened by layering thin slices, minute nodules that were hard to find will show themselves. You can study them in detail by paging, through the images shifting slice by slice overlapping automatically.

You can make MPR on the spot since it has volumes of images stocked in memory. It also allows oblique views where you can rotate the images around a point you want to study. Using the curved MPR you can open up images along a blood vessel, nodule, and more. You can easily grasp what a single planar image couldn't indicate clearly.

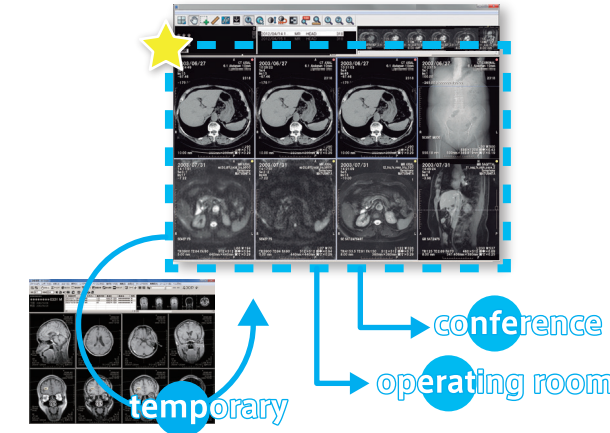
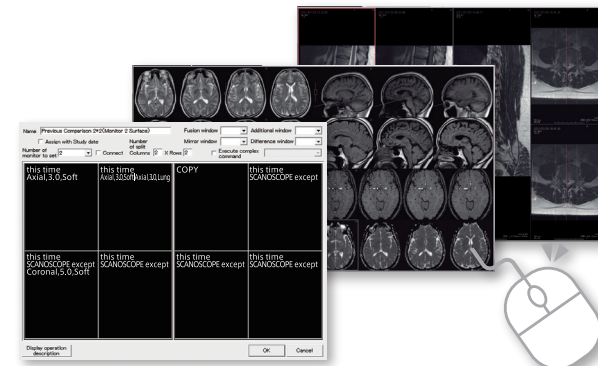
The guiding force is you.

It is not the computer but you who is directing the action. This means you don't have to adjust yourself to an awkward system. With our system you can easily customize a user-friendly environment. The set-up is by the log-in user, so you can use the system with your own environment wherever you use it in the hospital.

What's your favorite partition number? What color frame do you like? How would you like to configure the buttons of your mouse? Do you want past images to appear at one touch of a button? You want a different overlay for a different modality, don't you?

EV Insite R is the answer.

A toolbox that will realize all your various demands is finally yours.



All in all our PACS means;

- higher efficiency in your work
- less time in interpretation
- more certainty in diagnosis
- less fatigue
- more time and ease to answer doctors in training

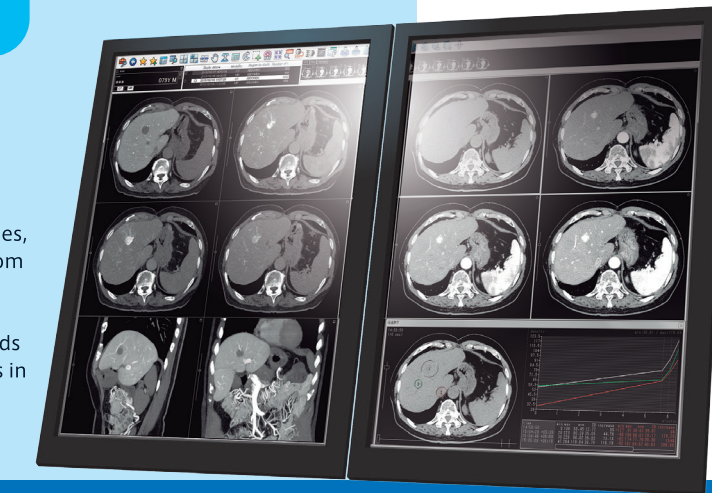
making everybody happier

For Practice, Study, and Supervision.

You can check-mark an image you're interested in.

Or you can save different conditions of more than one series of a study in very small sized files. It just keeps records of what was displayed in the viewer and, which will be very useful for informed consent, for conferences within the hospital, or for making slides, because you can view the images in the same condition that you saved them, in the blink of an eye. It is not image capture, but from that you can of course use it as a viewer.

The images of the last twenty patients that you saw are automatically saved in the conditions you last displayed them in. The records of others besides yourself who have studied those same images are also kept, which will help greatly in the supervision of doctors in training, and when interrupted by emergencies, expanding the scenes where the viewer can do its job.



EV Insite System advances to fulfill your diagnostic desires beyond imagination.

EV Insite[®] M — Mammo viewer —

It has all the functions needed for interpretation of mammography;

- Original size ·Life size ·WW/WL ·Tone curve
- Black and white inversion ·Magnification ·Auto vertical offset
- Masking ·Distance measurement ·Zoom ·DICOM SR

Comparison with the past is no trouble at all.

It can display just the right side of MLO in chronological order. It can also display symmetrically the right sides of the recent and previous MLO. When you turn the mouse wheel, it displays the previous one, the one before that, and so on, in turn making it easier to evaluate by comparison and even leading to an early detection of a cancer under 5 mm.

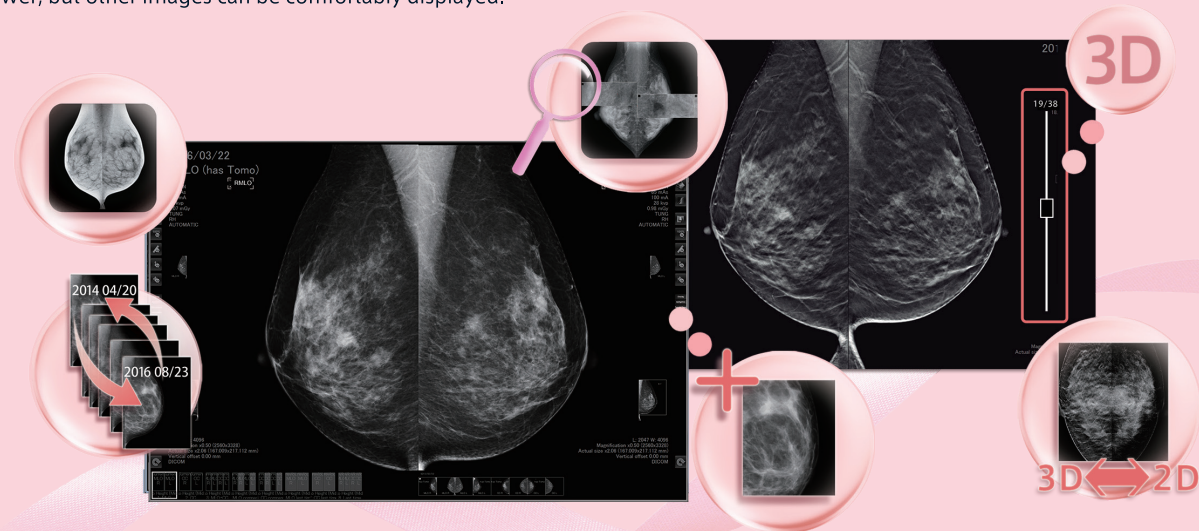
What is the configuration easiest for you to view?

The configuration you want to display varies between doctors. It may vary according to use, whether it is for clinical use or for a checkup. Protocol setting by each log-in user is really easy. You can also configure it to a dedicated keyboard.

The most important point is that it is not a single-purpose viewer for mammography.

Images of US, CT, MRI and RI can be displayed on the same screen with mammography. We thought it's imperative that all images be displayed on one viewer if there is breast cancer.

It has the same usability as an exclusive mammography viewer, but other images can be comfortably displayed.



Tomosynthesis which has been so popular lately is also supported.

Tomosynthesis is also supported. When you want to view the still static images in detail, you can view them from different angles in 3D images.



EV Insite[®] S

The Stand-Alone version is another perfect choice.

Would you like to interpret images at home, or to organize cases? Would you like to take your viewer to a conference with you, or to make some slides on the go? Our stand-alone version is the answer. You can enjoy the same functions as in the hospital on your laptop. Why don't you start with your own stand-alone version?

Insite Pad — Tablet viewer —

Wouldn't it be nice if you could refer to the images readily on a tablet?

If you want to refer to images for the situations below :

- In-house conference
- Rounds in the hospital
- Explanation to patients
- Office
- Congress outside the hospital
- Home and more.

This works perfectly!

Medical images can be handled easily on your tablet. It has many functions for viewing.

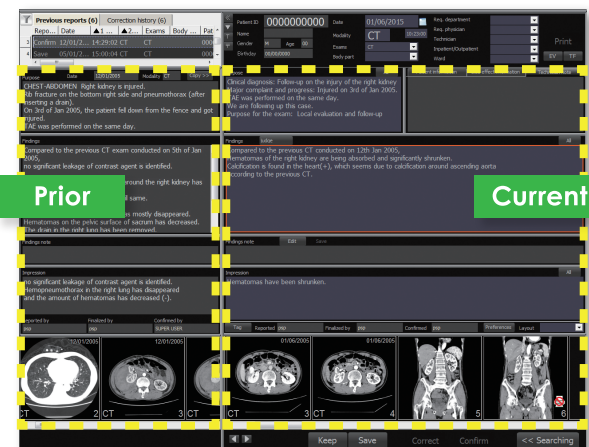
- Paging
- Synchronized paging
- Magnification
- WW/ WL
- WW/ WL preset
- Black and white inversion
- Measurement



EV Report — Reporting system —

Easy-to-find worklist, Easy-to-distribute final reports

Radiologists can choose examinations to base their report on by using presets for search criteria. The status of examinations ("urgent", "read/unread" etc.) is highlighted with different colored fonts and backgrounds. Each radiologist can access only assigned examinations, if the radiology department manages the work assignments on EV Report. Once radiology completes the report with key images, it instantly becomes available for viewing by requesting physicians by Web interface. The final report can be printed as well.

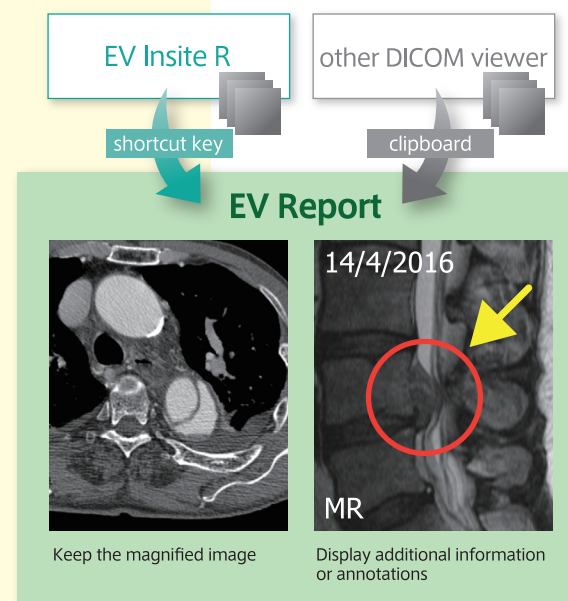


Secure system design

You can revise your reports afterwards if necessary. All revisions are logged and trackable. Also EV Report prevents reports from conflicting changes. Reports being edited are displayed with different color in the list of reports, and an alert message appears if another user tries to edit it. You are able to open images via EV Insite R automatically to prevent from displaying the incorrect patient.

No need to type everything

EV Report's easy-to-use templates and set phrases, predefined for each modality and body part, are very useful. Radiologists can easily create a wide range of reports in a very short time. Once you create a new report, a list of prior reports for the current patient will appear automatically. This access to patient report history lets you easily populate the current report with prior data. For example, with a single click you can insert a phrase like 'Comparison: CT, ""/"/2016' showing modality and study date of the prior report.



Key images promote communication

EV Report allows radiologists to handle key images efficiently. You can choose many key images to be included in the report. In addition, the vital information like examination date, modality, etc. can also be inserted into the key images. The data such as key image numbering, annotations, and text labels is displayed automatically, and thanks to its vector format, can be easily edited when necessary without affecting the image itself.

Sub EMR

Do you have trouble managing a variety of medical records?

Previously, you would have to go through individual systems via medical records system to retrieve examination results from each department. It was troublesome to have to refer to multiple systems to search for a variety of information, or system operation differing from department to department. Our Sub EMR has resolved the issue by integrating all the information of the patient: integrate examination results, display examination status, and integrate documents and physical medical records.

Patient's medical records viewable at glance

Our Sub EMR can retrieve the results of patient's examinations from the medical records system to display in the timeline format on the web browser. It is easy to find examination categories and status at a glance on the centralized view. It is possible for examinations to be filtered by category. User-friendly icons indicate the status of message, images, reports, or documents.

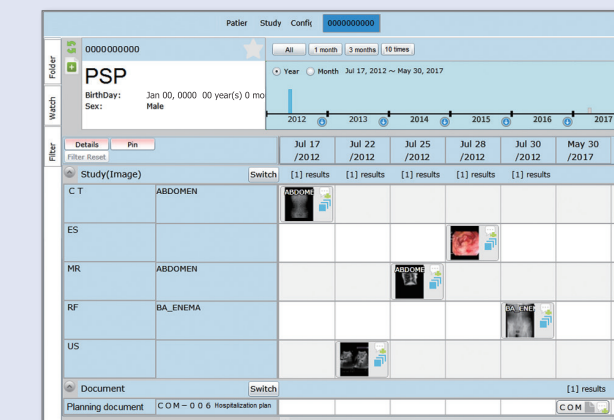
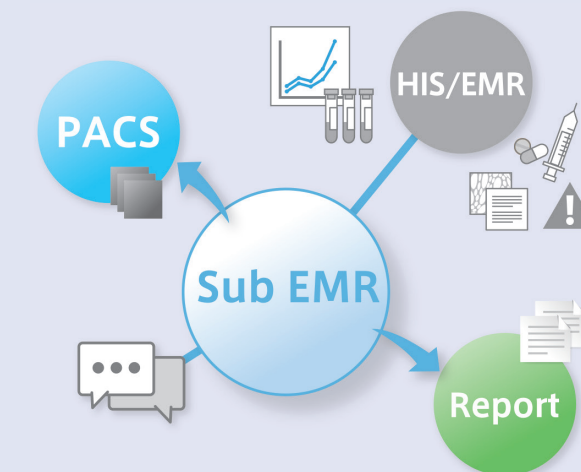
Quick access to information you need

You can go through departments' systems from the centralized view only by clicking the status icon. For example, the icon of images links with PACS viewer, and images of the selected study are immediately displayed. Documents can be read in the document viewer, which is the accessory. It is easy to search for past documents filtering display conditions and it's possible to display multiple documents in the split screen.

Integrating information to facilitate a hospital's workflow

Our Sub EMR has the function of uploading documents on the centralized view. You can improve efficiency of maintenance/ reference of physical medical records, photos, documents, and more.

Our system can integrate HIS/ EMR, or department's systems via standardized interfaces such as IHE, HL7, and DICOM. Data from HIS/ EMR such as allergy, contraindication, blood samples analyses, medication information is displayed in the centralized view as well.



Consolidate medical records for each patient

ARISStation — Radiology information system —

ARISStation optimizes workflow and increases efficiency in your radiology department.

You can utilize our RIS:

- for receptionists to register patients and record check-in authentication.
- for technicians to perform examinations safely based on essential information.
- for staff members to take notes during work and share them.
- for managers to produce statistics easily and put them to use in business.

We consider it important for a radiology department to manage many examinations smoothly without mistake and reduce patients' waiting time.

ARISStation has many useful functions to improve work efficiency.

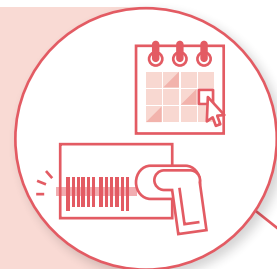
The comment function is one of the advantages of ARISStation. It helps staff members in the radiology department to promote communication.

For example, the receptionist checks a patient's information and can inform technicians.

Also technicians can input any details that they discover during examination.

Registration & Check-in

- Register patient
- Order examinations
 - Schedule
 - Pre-check
- Display worklist with alerts
- Print a request form/ map
- Print a barcode



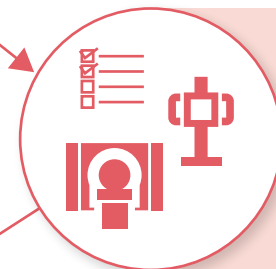
Information management

- Add comment/ post to bulletin board
- Set user/ terminal configurations
- Maintain master information
- Check operation history



Examination

- Customize menu
- Manage examination room
- Check/ print order detail
- Edit/ Add/ Cancel examinations



Statistics

- Export statistics data
- Export to a file

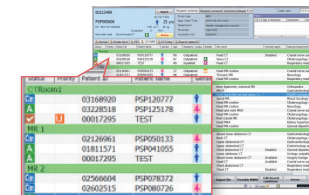


Let's share essential information efficiently.

How many examinations are scheduled for today? How many patients are waiting for each examination room? How much time have they waited already?

ARISStation enables you to get a lot of information from each examination list. Examination lists can be set up to search and sort so that the important details can be seen easily. Receptionists and technicians can track the examination status such as "order arrived", "patient check-in", and "exam complete".

- A** Order arrived
- Cin** Patient check-in
- ✓** Exam complete



Technicians can also find out the availability of examination rooms, the number of patients waiting for them, and their waiting times. If one examination room has many patients waiting, technicians easily can shift patients to another examination room with modalities which perform the same examination. This will help your radiology department to reduce patients' waiting time and to improve the utilization of each modality.

Do technicians grasp patients' conditions before examinations? The examination detail window of ARISStation provides this information effectively to find it at a glance. Important condition of patients (wheelchair use, hearing or vision-impaired and more) are highlighted with icons or colors. Receptionists' remarks are also displayed to convey additional patients' information.

Limit mistakes and improve efficiency

Precautions for patients due to allergies or infections are very important to perform appropriate examinations. The information can be observed with a quick look on ARISStation.

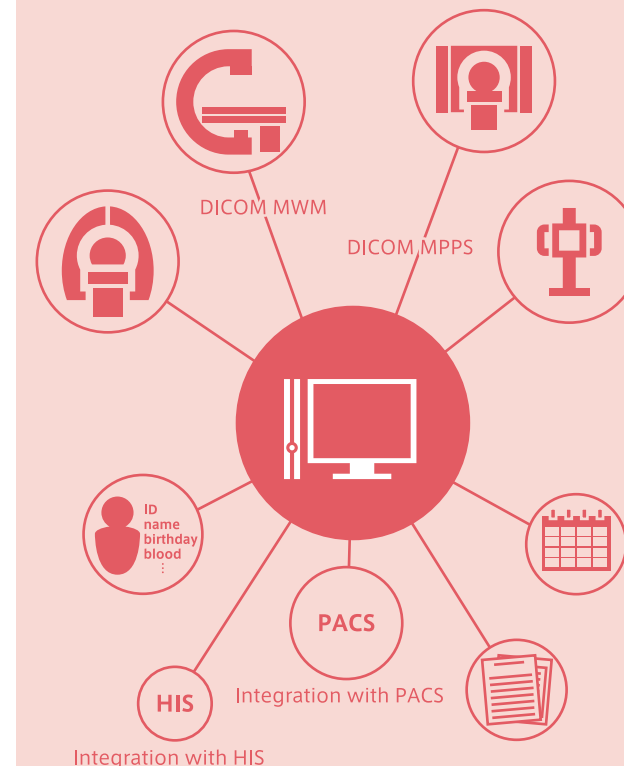
If needed, pop-up warnings appear when the examination detail window opens. Other operations will be locked until they are clicked, so technicians cannot avoid checking warning messages.

ARISStation helps to minimize manual operations that may cause human errors.

Receptionists can identify patients for check-in just by scanning a barcode or ID card.

As ARISStation sends examination information to modalities using DICOM MWM, technicians don't need to input a patient ID many times. It saves time and allows more time for giving patients.

ARISStation can provide statistics easily just by setting some information such as a type of template and a specific time of year. It helps to compile valuable patients' information, modalities' information, and more.



Our RIS can communicate various modalities by MWM (Modality Worklist Management) or MPPS (Modality Performed Procedure Step) in compliance with DICOM standards. In addition, it can exchange electronic health information with other systems which are compliant with HL7 standards.

Optimize workflow and increase efficiency in your radiology department