

INFINITT Cardiology PACS

Reduces reporting time by 50% with custom report templates

Hanyang University Guri Hospital Cardiovascular Center





PROFILE

- A major cardiovascular center in the Gyeonggi province, Korea
- Equipped with two angios, one IVUS, and two ehcos

CHALLENGES

- Limited data access, measurement and reporting from use of radiology PACS
- More efficient workflow required as a result of the growing number of patients and the center's expansion

SOLUTION

 INFINITT Cardiology PACS and INFINITT Cardiology Report Solution adopted

RESULTS

- Custom structured reports reduced the reporting time by 50%
- Faster loading speed reduced the image viewing time by 20 minutes
- Real-time data measurements increased data accessibility and applicability

ABOUT HANYANG UNIVERSITY GURI HOSPITAL CARDIOVASCULAR CENTER

Hanyang University Guri Hospital is one of the major hospitals in the northern area of Gyeonggi province in Korea. Its cardiovascular center is equipped with six diagnostic imaging modalities including two angios, one IVUS, and two echos. The center enlarged in August 2017 to accommodate the growing number of patients, adding an extra lab, low-dose imaging modalities and advanced interventional procedure modalities.

CHALLENGES

Cardiologists at the center didn't have access to reporting templates and measurement tools optimized for cardiology workflow, because they were using radiology PACS. They had to manually write reports in paper charts or Excel worksheets. Dr. Yong-gu Lee says, "I had to go all the way to the dedicated workstation in the lab to measure data, because I couldn't do it directly from my office." Access to cardiac images and video clips was also limited on radiology PACS. "Loading high-volume cardiac images and video clips slowed down the PACS remarkably, which left us with no choice but to access the images by capturing them one by one," adds Dr. Lee.

WHYINFINITT

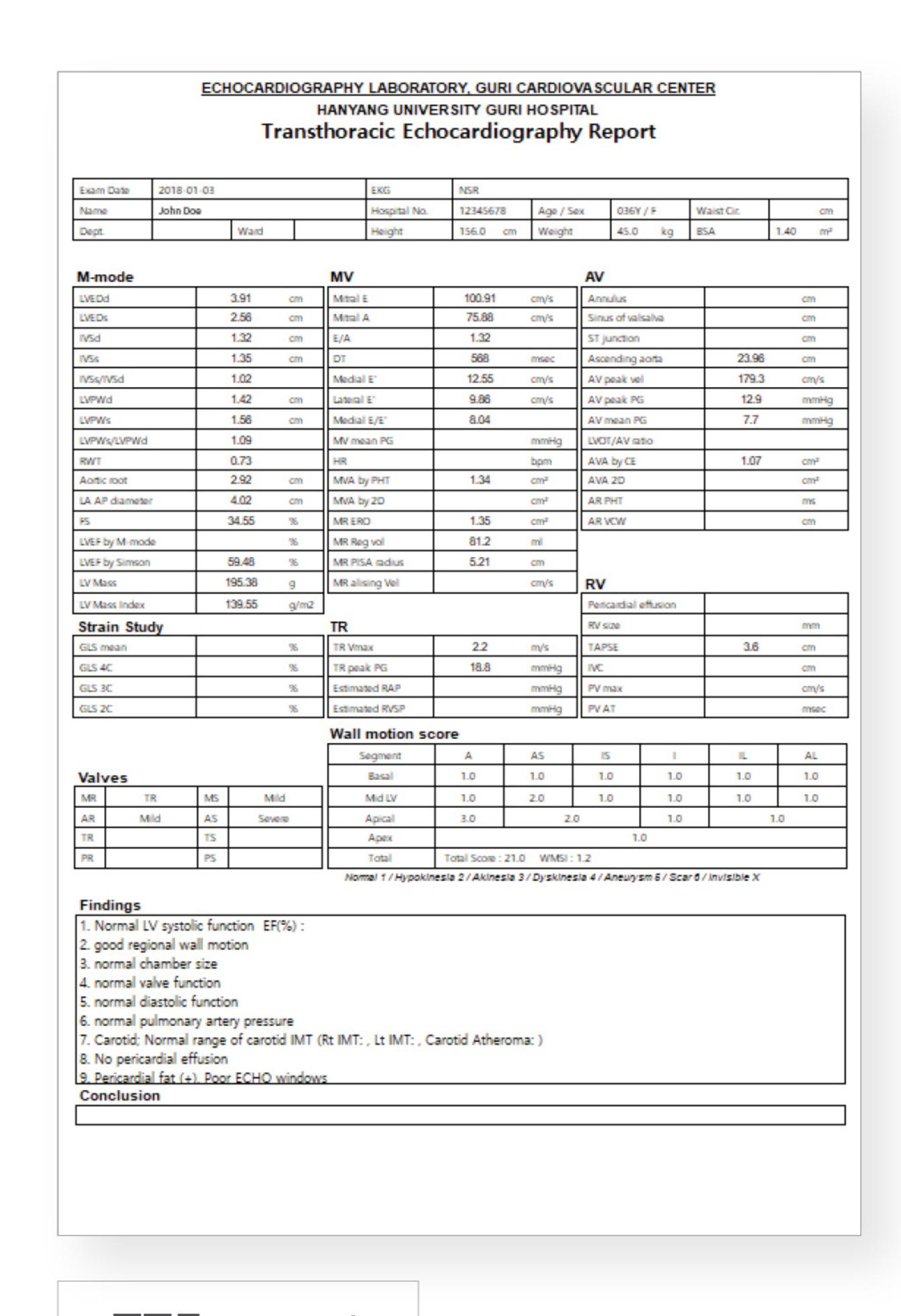
HOW INFINIT

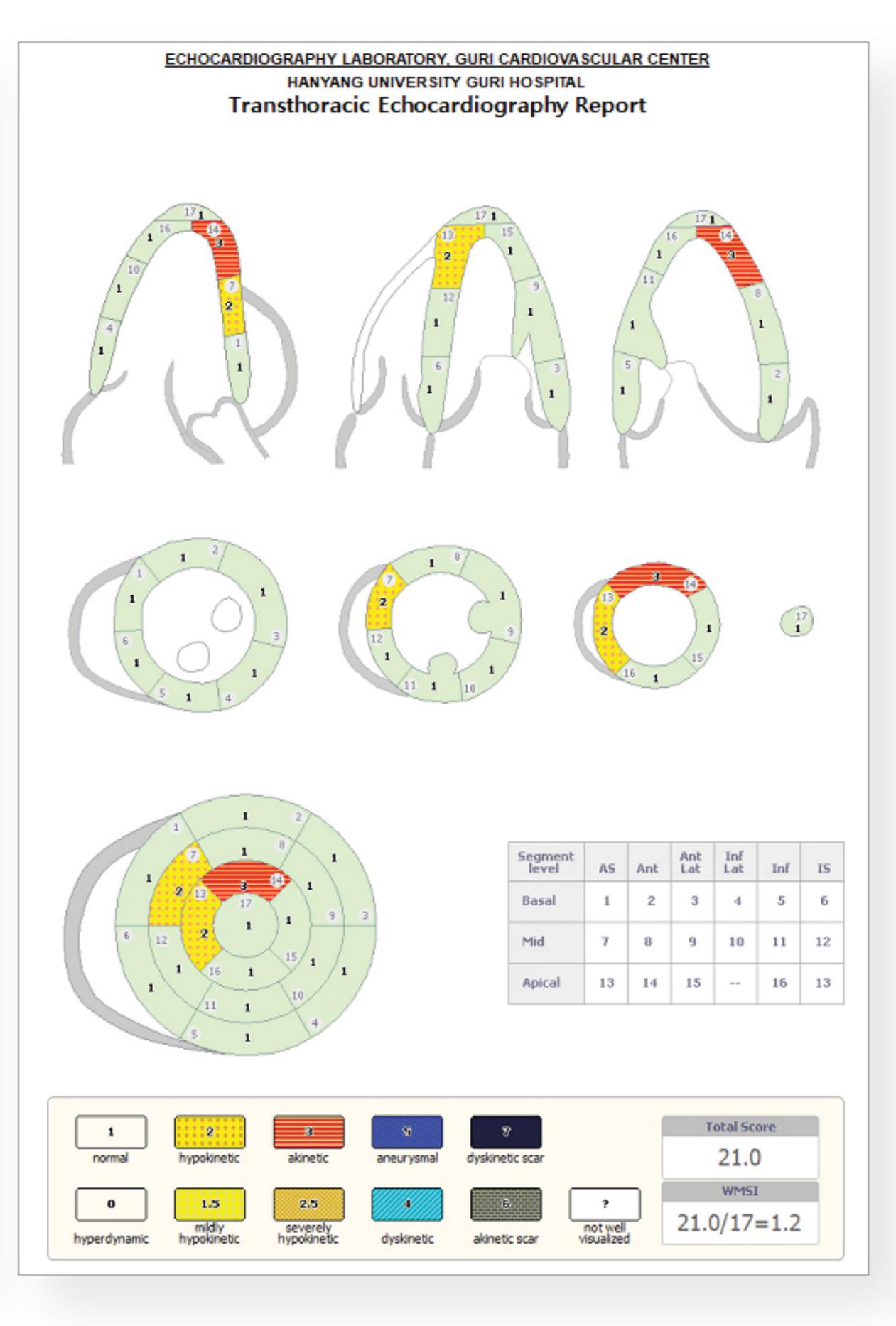
The center wished to enhanced the workflow by adopting a cardiologyexclusive PACS. The main concern was whether or not the PACS provided report templates customized to the center's cardiac studies and measurement sets. It was also important that the cardiology PACS integrated seamlessly with various other solutions used in the center such as radiology PACS and OCS.

After much consideration, the center concluded that INFINITT Healthcare had the right technical capabilities and experiences to fulfill all of its requirements. Data migration was completed a month before the center's expansion, and INFINITT Cardiology PACS and INFINITT Cardiology Report Solution went live in August 2017 with the reopening of the center.

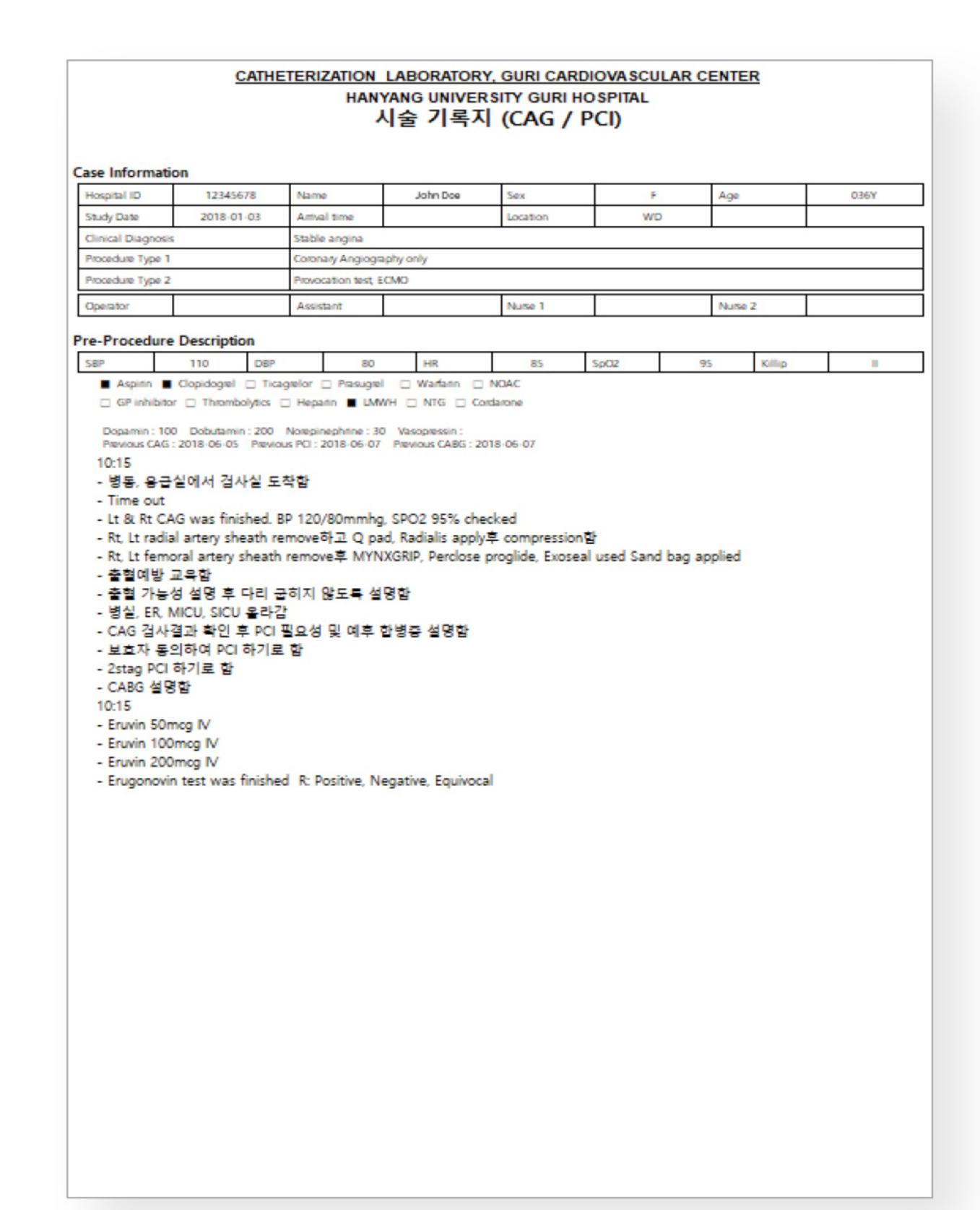
Custom reports templates

- Report templates are customized to exams and procedures conducted at the center's echo and cath labs.
- Devices used for each procedure are selected from drop-down lists, with minimal manual input.
- Data acquired from modalities is auto-populated into report templates.
- Procedure results are filled in directly from the labs before, during or after each procedure.





TTE report

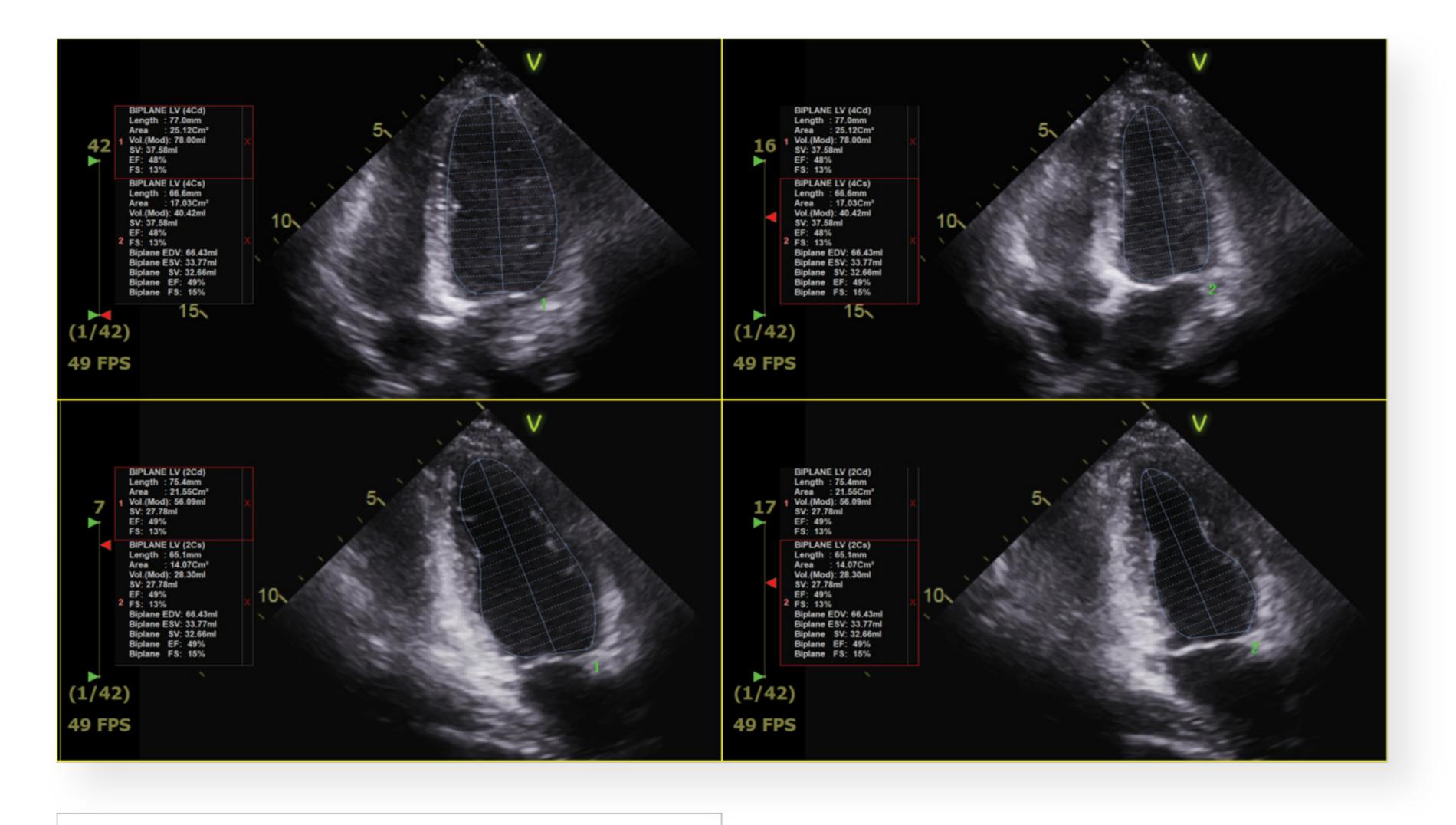


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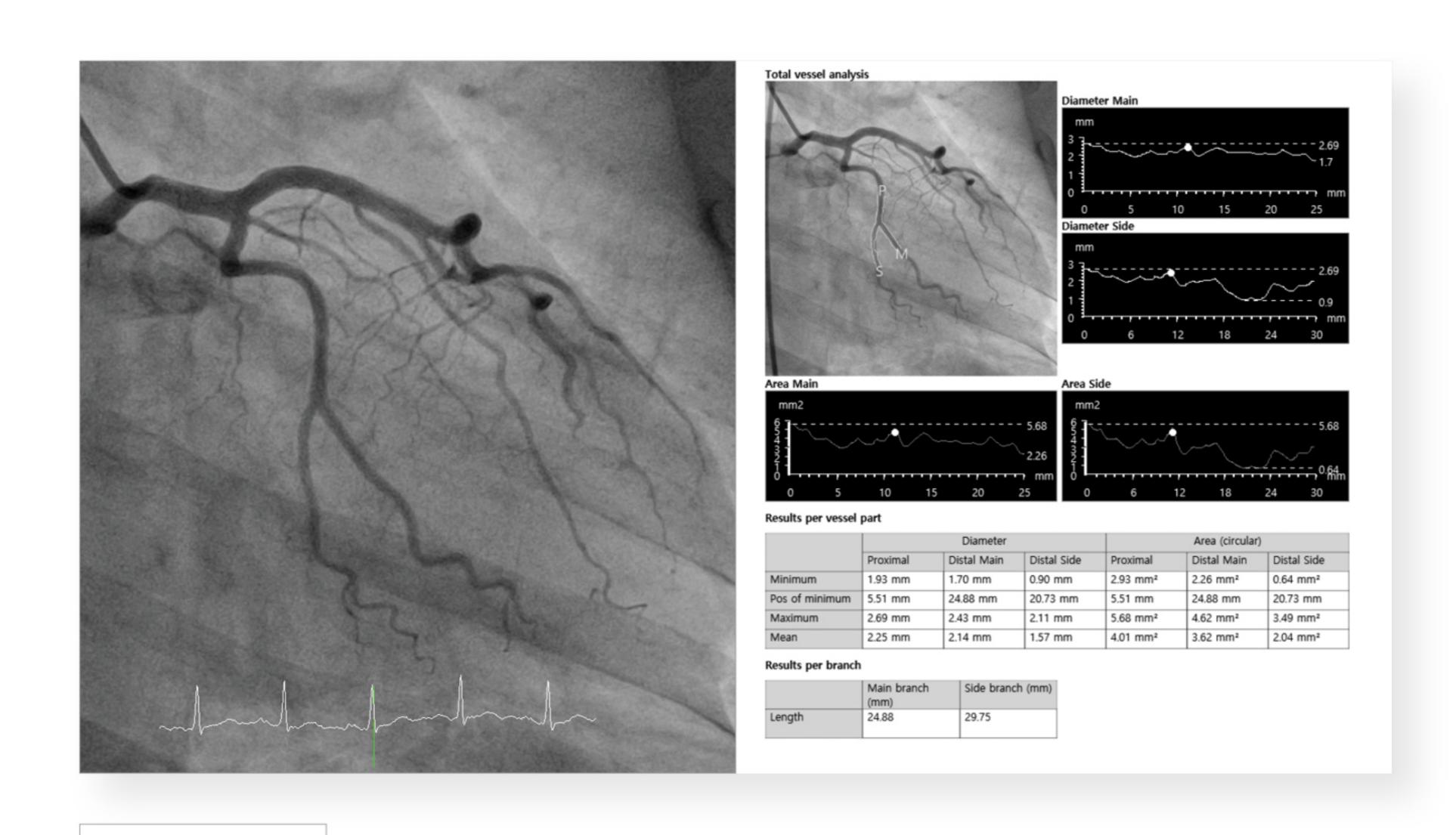
CAG / PCI reports

Real-time data measurement

- Measurement and analysis tools (LVEF, LV Volume, QCA, etc.) are optimized for cardiovascular exams and procedures.
- Data is measured and utilized directly from the cardiologists' offices.

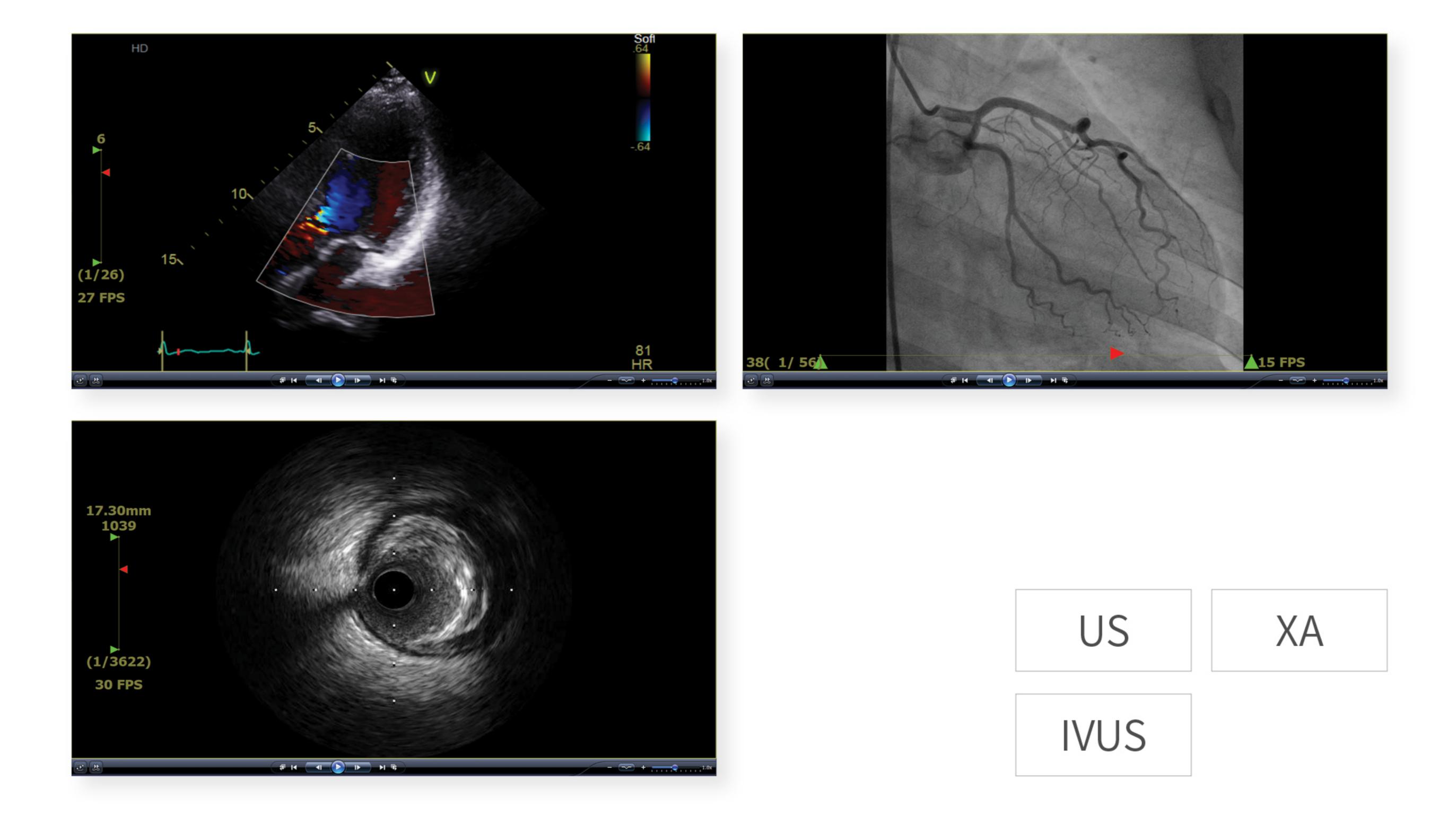


LVEF and LV Volume



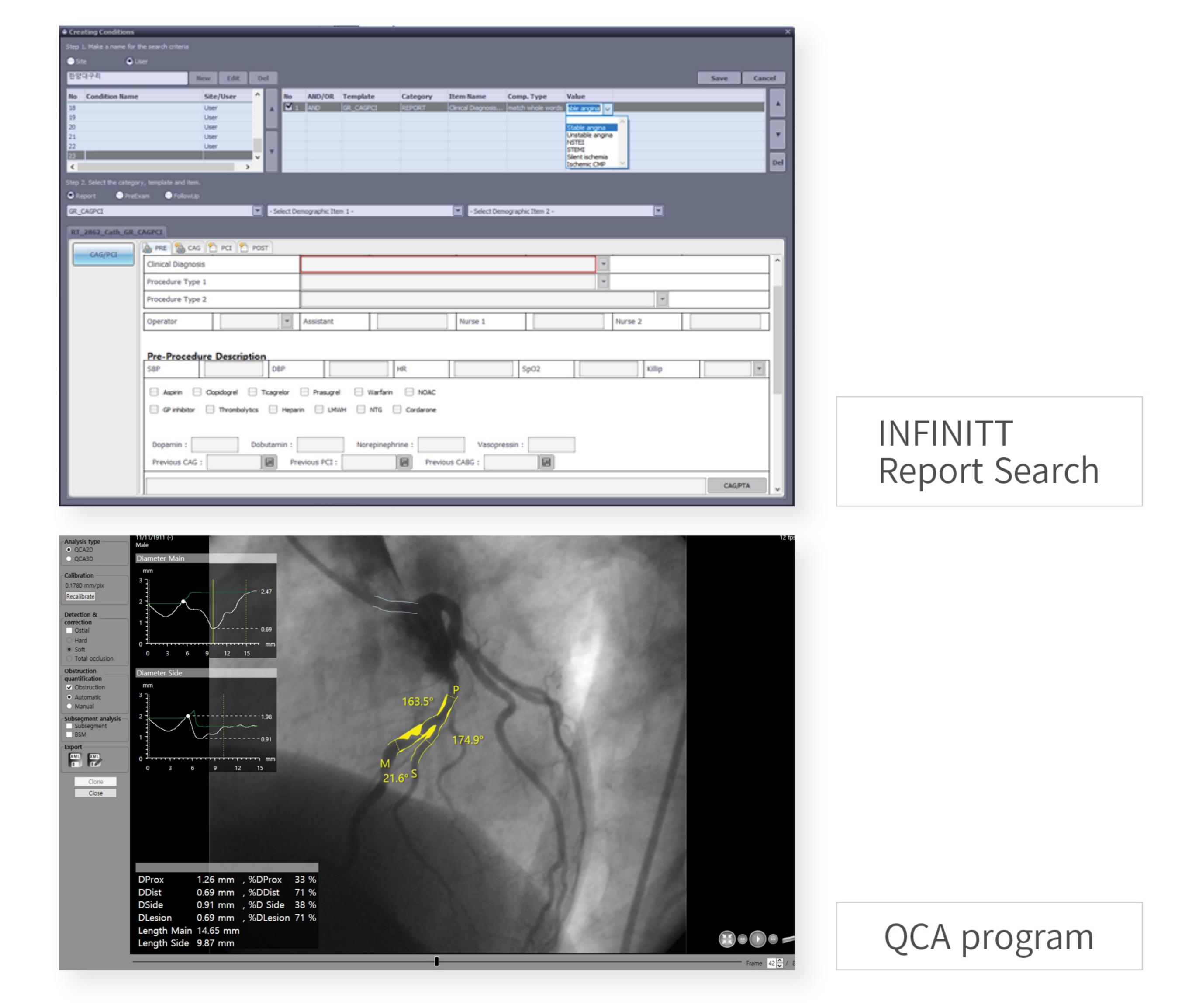
Faster image and video loading

- It takes less time to review high-volume cardiac images and video clips acquired from US, XA, and IVUS.
- Images are displayed in the same quality and speed that they're first captured as, minimizing reading errors and system slowdowns through multi-frame technology*.



Seamless interface with various solutions

- Cardiologists can utilize INFINITT Report Search to search past reports and measurement data for clinical trials and research.
- Cardiologist can utilize QCA program for coronary stenosis analysis and applications in treatment planning.



^{*} Multi-frame technology captures more than two images of cardiac impulses in repeating cycles and displays as an either static or dynamic image.

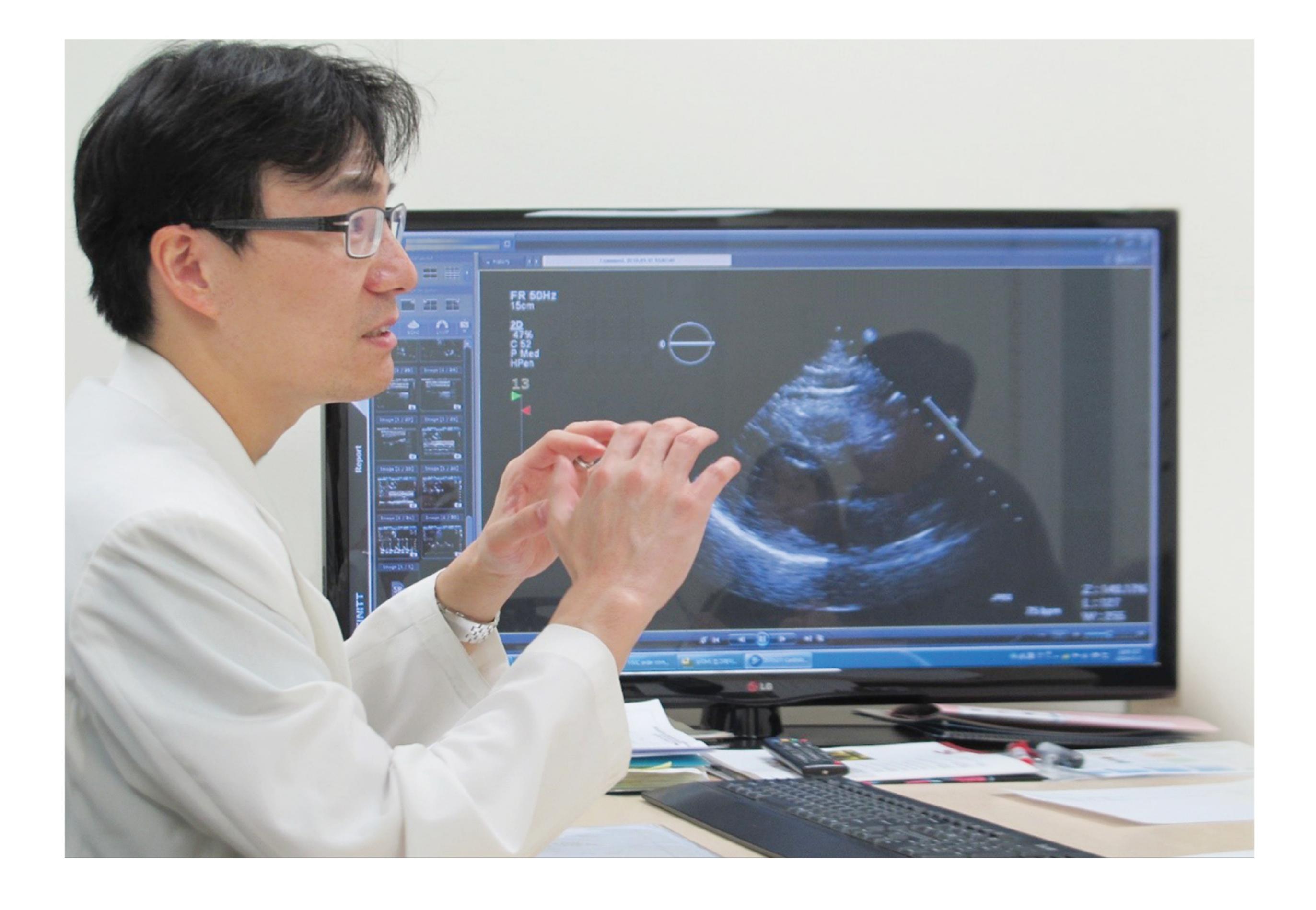
RESUITS

The adoption of INFINITT Cardiology PACS and INFINITT Cardiology Report Solution at the center has saved cardiologists 20 minutes in accessing the exam results. This is because they can now view large volumes of cardiovascular images and video clips much more easily and quickly on INFINITT Cardiology PACS.

The reporting time has been reduced by 50% as well. "It now takes only half the time it used to take to generate a report," says Dr. Lee. "The custom report templates exclusively designed for our center are a huge timesaver for us. We don't have to manually write the reports anymore because data fields are automatically populated through interface with the modalities, which dramatically simplified our postprocedure workload."

On the other hand, data accessibility and applicability have been enhanced. Cardiologists can now access and utilize procedure results directly from their offices using INFINITT Cardiology PACS. In addition, they can easily search for report texts or measurement data from past reports using INFINITT Report Search, and use them for clinical trials and research.

"The adoption of INFINITT Cardiology PACS and INFINITT Cardiology Report Solution was more than just two solutions implemented. It has optimized the overall data management workflow at our center," says Dr. Lee. "From viewing exam results and generating reports to searching data, the entire workflow has become more efficient than ever. We couldn't have dealt with the growing number of patients without INFINITT solutions," he adds.



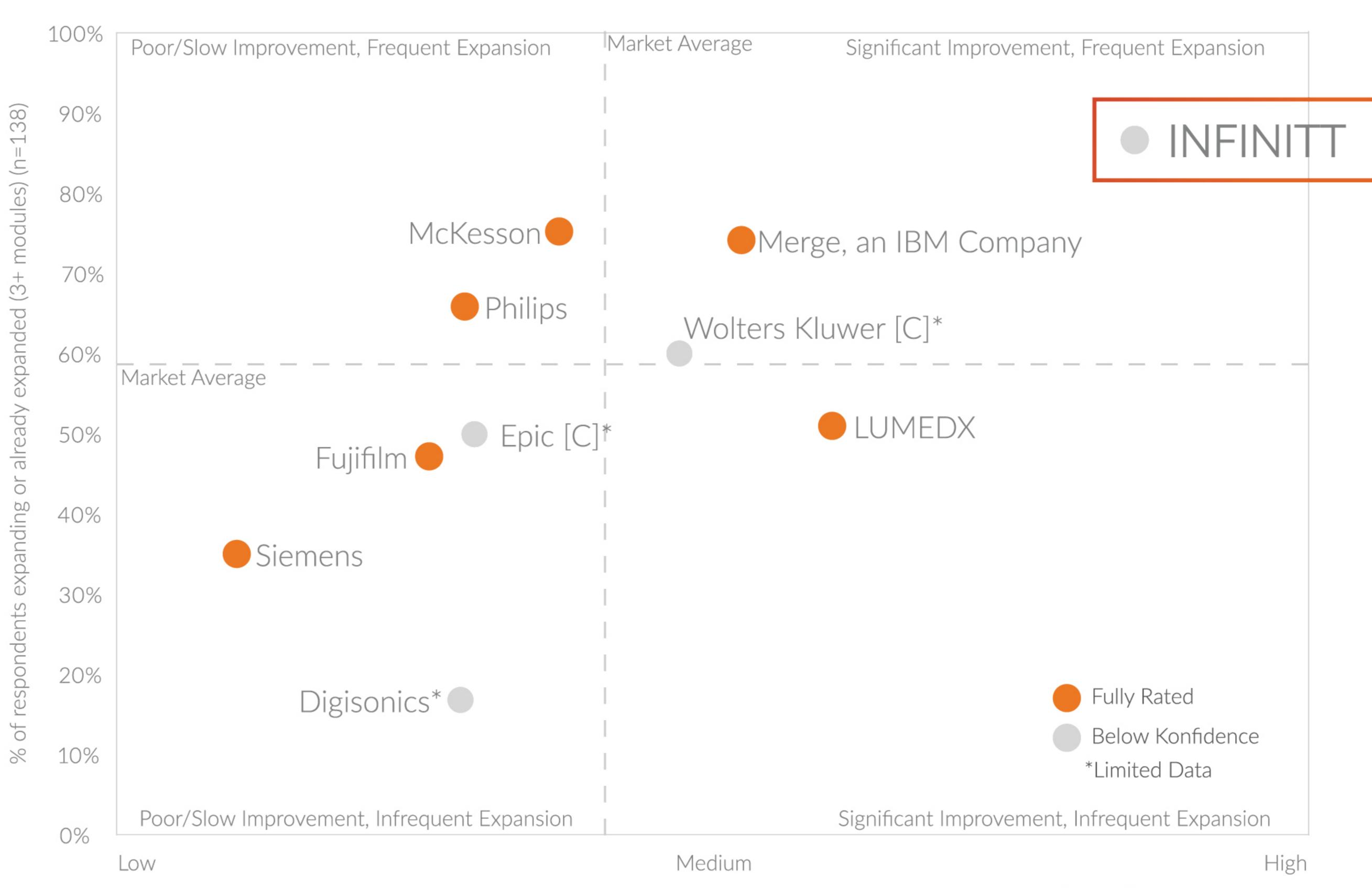
KLAS Award

* Cardiology 2016: ENTERPRISE CONSIDERATIONS INFLUENCE CARIDIOLOGY CONSOLIDATION

INFINITT Cardiology PACS ranked No.1 in customer satisfaction

According to KLAS report*, INFINITT Cardiology PACS is a top performer in customer satisfaction in terms of product expansion and structured reporting improvement. INFINITT Cardiology PACS is a comprehensive cardiology imaging and reporting solution that supports echo, cath, vascular, nuclear and pediatric echo, and provides custom structured reports.

EXPANSION VS. STRUCTURED REPORTING IMPROVEMENT





INFINITT Healthcare is a global provider of medical imaging & information solutions with nearly 20 years of experience. More than 6,200 medical facilities in over 55 countries have chosen to adopt INFINITT solutions and services. Learn more about INFINITT Healthcare at www.infinitt.com.