

PHILIPS

Advanced analysis for cardiovascular care

IntelliSpace Portal

A customer story from
Hôpital Louis Pradel,
Hospices Civils de Lyon,
France



Who?

Professor Philippe Douek

Professor of radiology and head
of the diagnostic and therapeutic
imaging department

Where?

Hôpital Louis Pradel is one of
three sites that make up the East
hospital group within Hospices
Civils de Lyon, a 14-site network.

- Cardiology, respiratory, cardiac,
thoracic, and vascular services
in one building

Challenge?

Support quick yet comprehensive
diagnoses on one platform and
from one workspace

Solution?

IntelliSpace Portal 7.0 and its
cardiovascular applications

Taking excellent care to heart

Professor Philippe Douek begins his Monday morning with a cup of coffee – and 12 complex cardiac cases to finish before lunch. His work covers nearly all the pathologies of cardiovascular disease. Switching between multiple technologies to view and post-process images is often cumbersome, and it may affect diagnostic confidence.

With IntelliSpace Portal 7.0, Professor Douek relies on one comprehensive suite of cardiovascular applications on one platform and from a single chair. Results are fast, consistent, and easy to share. And as cardiac MR is evolving into the standard for cardiac disease management, Hôpital Louis Pradel has the latest tools to drive clinical performance.

“Getting information from MR, CT, MI, X-ray, and even ultrasound on the same platform helps me feel better about my diagnosis.”

High confidence...

One integrated solution for clinical coverage

“We evaluate nearly all the pathologies of cardiac disease using the MR cardiac suite,” says Professor Douek, namely cases involving cardiac ischemic disease, acute and chronic myocardial infarction, myocarditis, non-ischemic cardiomyopathy, and cardiac sarcoidosis and well as assessment of the LV function and vascular diseases such as aortic diseases.

As a long-time user, he knows there's much more to IntelliSpace Portal than MR.

“I need to compare all the sequences of the cardiac exam and different images of the same heart with both functional and morphological data – on the same screen,” he explains, highlighting added ultrasound viewing capabilities on the latest release. “Now I jump between exams and modalities on one platform and in one place.”

Building confidence through consistency

Tools help quantify, for example, the size of an infarction and right-to-left cardiac shunt. They're available on individual applications and accessed through a

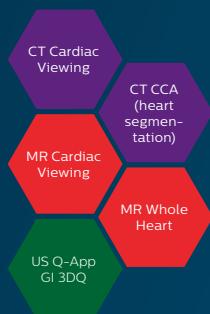
single platform. “We can use the same post-processing functions from one patient to the next,” he remarks, “and we feel the data we obtain is very reliable.”

Collaborating to improve care

Applications also support well-informed clinical decisions between departments. “CT TAVI Planning gives us all the information we need as well as a good view of the X-ray,” he says. “Then we send the data to the interventional suite. It's up to our specialists how they use the information.”

IntelliSpace Portal 7.0 cardiovascular applications

Anatomy



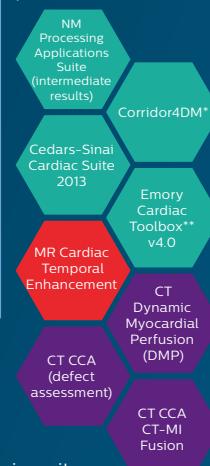
Stenosis



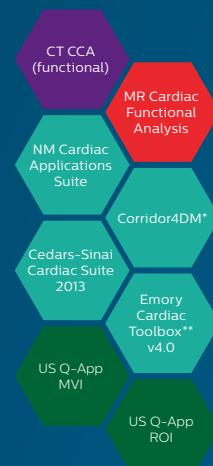
Plaque



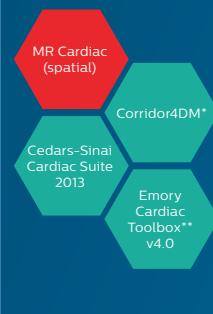
Myocardial perfusion



Function



Scar



* Corridor4DM is a registered trademark of Invia, LLC.

**Emory Cardiac Toolbox is a registered trademark of Emory University.



...and the efficiency to match

“Life without IntelliSpace Portal 7.0 would be much more complicated. It’s much simpler to have one technology – and use it to do virtually everything.”

Answering questions fast

It's not uncommon for Professor Douek to complete a case on myocardial infarction and proceed to another case which requires vascular evaluation. IntelliSpace Portal 7.0 yields rich insight across multiple specialties on one platform. "It gives me the flexibility to move quickly and easily between dedicated cardiac applications and other areas."

Without leaving his chair, Professor Douek:

- looks at short and long axes plus 4-chamber view simultaneously with a multi-frame CINE viewer (MR Cardiac Viewing)
- examines the CINE Perfusion and late enhancement images on one screen (MR Cardiac Temporal Enhancement)
- performs post-processing for LV and RV function (CT Comprehensive Cardiac Analysis)
- reviews blood flow dynamics (MR QFlow)

Creating time for patient care

Hôpital Louis Pradel conducts 8,000 CT and 2,000 MR cardiovascular scans per year. Fast results help Professor Douek manage his heavy caseload.

Saving time during pre-TAVI planning¹



20 minutes

Performed manually

5 minutes

Performed with CT TAVI Planning

Accelerating typical case workups¹

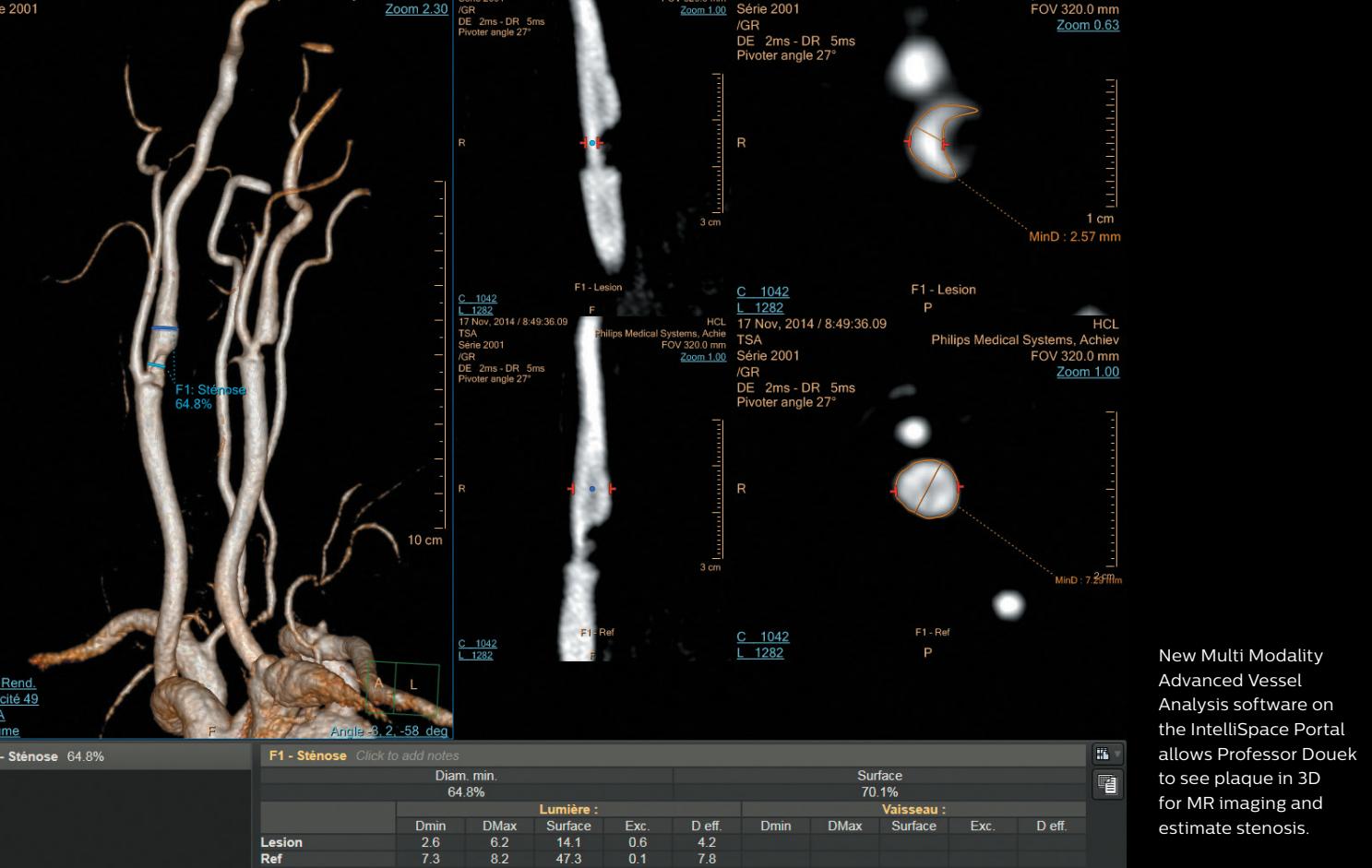


50% faster

Completed with CT Advanced Vessel Analysis on IntelliSpace Portal 6

Completed with Multi Modality Advanced Vessel Analysis on IntelliSpace Portal 7.0

¹ Comparison based on customer's experience with IntelliSpace Portal 7.0. Results from case studies are not predictive of results in other cases. Results in other cases may vary.



New Multi Modality Advanced Vessel Analysis software on the IntelliSpace Portal allows Professor Douek to see plaque in 3D for MR imaging and estimate stenosis.

“ The MR Cardiac suite is a good investment. But use it with all the other capabilities you find on the IntelliSpace Portal. X-ray, CT, MI, US – not just MR – that’s the future. And this is the value of IntelliSpace Portal 7.0. You get everything on one platform.”

Professor Philippe Douek, professor of radiology and head of the diagnostic and therapeutic imaging department at Hôpital Louis Pradel, Hospices Civils de Lyon, France

Do you have the tools needed to provide confident diagnoses quickly and effectively?

Discover how IntelliSpace Portal 7.0 and its cardiovascular applications can help you deliver exceptional care, faster, and at lower cost. Contact your local representative or visit philips.com/intellispaceportal