



PHILIPS

Advanced molecular
imaging

Customer story



Nuclear medicine
department at L'hôpital
fribourgeois (HFR)



Who?

Dr. Cristian Antonescu
Deputy chief medical officer and
nuclear medicine specialist

Where?

Fribourg, Switzerland
• Mid-size general hospital
• Nuclear medicine department
performs 30-35 types
of procedures

Challenge?

View fast, high-quality PET/CT
images delivered by a reliable
system

Solution?

The Ingenuity TF PET/CT system
with the IntelliSpace Portal for
advanced visualization and
analysis

Seeing the future, one image at a time

Nearly 2,000 scans a year. Five technicians, one nurse, one nuclear medicine specialist. And a commitment to cutting-edge, outstanding care. When you're in a high-throughput environment like this, how much time and effort can you spend on investigating and applying technological developments that improve care?

With one system, the nuclear medicine department at l'hôpital fribourgeois (HFR) meets today's needs and prepares to exploit tomorrow's advances. Image quality with the Philips Ingenuity TF PET/CT is consistently excellent across scans and radiopharmaceuticals. And despite adding the complexity of CT, Dr. Antonescu experiences the same level of performance he's come to expect from Philips.

A confident diagnosis...

“Physicians tell us our images are good enough to share with patients.”

Driving confidence through acquisition

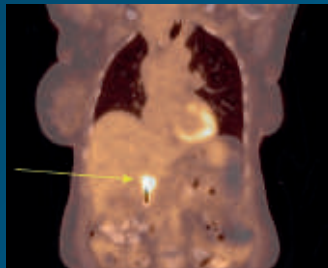
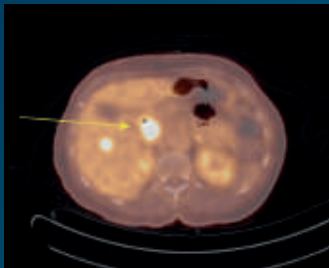
“The sensitivity I have now is excellent,” says Dr. Antonescu, “and I see more than I did before. My interpretations have clearly benefited from this PET capability combined with CT imaging.” The Ingenuity TF PET/CT includes Philips Time-of-Flight (TOF) technology, which has been demonstrated to improve sensitivity by up to five times in larger patients compared to non-TOF systems. The sensitivity gain supports consistency,

too. “We’re always happy with the image quality even when we modify the acquisition protocols for the different patients we scan.”

Working quickly with outstanding quality

The time needed for reconstruction has dropped from around 40 minutes to just a few minutes. “It’s heaven,” Dr. Antonescu remarks, “and actually use the preview images for my diagnosis. The CT reconstructions with O-MAR [reduces

artifacts caused by large orthopedic implants] and even lung reconstructions and contrast-injected exams are superb.” iDose⁴ supports reconstruction speeds of 18 images per second.



Patient information

Length: 1.63 m

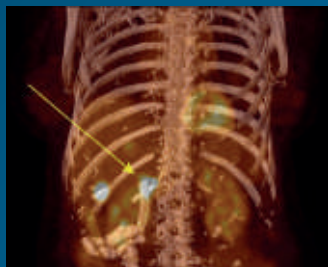
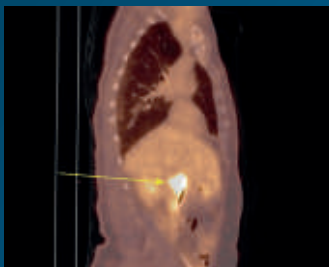
Weight: 64 kg

Case information

[¹⁸F]-FDG: 192 MBq (5.19 mCi)

100 kV

62 average mAs



Note the two areas of increased activity in the abdomen. One is in the right lobe of the liver. The other is in the area of the pancreas, near the proximal end of a synthetic graft.

Images courtesy of l'hôpital fribourgeois (HFR), Fribourg, Switzerland

“Life without this system would be more complicated.”

...today and tomorrow

Running smoothly

The department transitioned easily to the Ingenuity TF PET/CT. The team was familiar with the Philips design, and Dr. Antonescu was pleased with training. “It’s easy to learn,” he says. “After just one or two weeks, we felt very comfortable. I can’t recall any incidents of downtime. It’s a very reliable system.”

Looking to the future

Reliability is also about how quickly the department can adopt new procedures

using the system. In October 2014, a new tracer was introduced to examine the metastasis of prostate cancer.

“We were operational and scanning in three weeks,” he notes.

The investment in the Ingenuity TF PET/CT was also a strategic move by Dr. Antonescu. “My philosophy is: have an ‘oversupply’ of technology now. So when the situation changes, I’m prepared for it, not scrambling for budget or using outdated equipment.”

Building on relationships

Dr. Antonescu has found a partner he trusts. Philips technicians regularly visit HFR to perform quality assurance checks. And the long term? “The people at Philips take the initiative,” he continues.

“They’re fast and proactive. And they don’t try to sell us things we don’t want. Our relationship goes above and beyond the typical money-service transaction. We really value that.”

The IntelliSpace Portal for a diagnosis others can rely on

Dr. Antonescu uses the Philips IntelliSpace Portal to complete his PET/CT studies. It allows clinicians to access and analyze multi-modality images from a networked computer or directly from the hospital PACS. CT is a key modality for Dr. Antonescu, and he’s especially pleased with the gated respiratory and cardiac images.

He also consults with referring physicians using the platform’s Web-based collaboration tools. Real-time working sessions are initiated via instant message or email, and the same live views of images are shared in the IntelliSpace Portal’s image viewer.

“Now we collaborate more often with radiation oncologists, and they say our images give them exactly what they need.”



“I think I have one of the best systems in the world. The value you get for this technology is incredible.”

Dr. Cristian Antonescu, deputy chief medical officer and nuclear medicine specialist at l'hôpital fribourgeois (HFR), Fribourg, Switzerland

**Does your PET/CT imaging support outstanding care?
Or does it limit your choices?**

With the Ingenuity TF PET/CT, you don't have to trade off. Discover how this system from Philips can help you deliver exceptional care fast and at low cost. Contact your local representative or visit philips.com/ingenuitytfpetct



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Printed in the Netherlands
4522 991 12741 * July 2015