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Canon's Hemodynamic Solution - Broadening the Possibilities with "Just one Push on the Button"

The Canisius Wilhemina Ziekenhuis (CWZ) is a top clinical teaching hospital that serves the Nijmegen area of The Netherlands. CWZ has 653 beds and covers 26 different medical specialties, including Cardiology, for which, it provides a 24/7 service including diagnostic and interventional procedures from two dedicated, cardiac cath labs. Approximately 1,500 coronary angiographies and 1,000 PCIs are performed there annually. CWZ has been using various products of Fysicon (a Canon Medical Systems Corporation since 2018) for more than 20 years. One of these is QMAPP, a compact and advanced hemodynamic monitoring system that can now be integrated into Canon's Alphenix suite, enabling streamlining with cath lab workflows and delivering hemodynamic functionality to the fingertips, via a tableside tablet.

Wim Nijwening, Nursing Leader Emergency Care and Senior Intervention Nurse HCK at CWZ, shares his experiences of working with the system and explains the possibilities that it offers through meeting many challenges in the cath labs at CWZ.



Why did CWZ choose this system?

The tablet came with Canon's Alphenix system. We were interested in the integration with QMAPP on the tablet - We had been waiting for this integration possibility in a system for some time. It is used a lot, especially because we often need to work with just two staff. The distance between our registration room and our procedure room itself is considerable, and previously required us to divide our attention between circulation and registration work. All we have to do now is start up those patients in QMAPP, and beyond that, we don't have to get behind the controls. We can now carry out hemodynamics on the tablet, and the PC with the EPD is already in the back of the

room. This makes it perfect for taking samples and FFR measurements. Room 1 has a tablet integration, Room 2 doesn't yet. Now that we use the tablet so much in Room 1, we do really miss this in Room 2.

Could you describe the workflow at the cath lab before and after introducing Alphenix tablet with QMAPP functions integrated?

The measurements that we make in QMAPP are automatically registered in the right place in our EPD. Prior to this, we were required to enter them manually, which is an approach that is much more prone to error. With tablet integration, the manual transfer of measurements is a thing of the past.

Just one push on the button and the sample is processed correctly.

What was the biggest challenge without tablet integration?

Our biggest challenge in the cath lab was getting between patients and the registration room. It caused a lot of disruption when we wanted to take a sample but were out of the room. The advantage is that the nurse at the table now controls both the fluid management system (the system used to administer the contrast) and the tablet (used to process the samples). This eliminates the need to coordinate when the fluid management system should remain quiet and hold on giving contrast while making a sample.

“Now, we can stay with the patient, monitor and guide them better.”

*Wim Nijwening,
Nursing Leader Emergency Care and Senior Intervention Nurse HCK,
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It is now in the hands of the same nurse through use of the tablet. The nurse has the most time for this. Our other staff are often extremely busy during shifts.

What were your expectations of tablet integration and have they been fulfilled?

That it offers a logistical advantage. It requires little- or no training. Everyone immediately understood how it worked. The tablet has large logical buttons containing all necessary functions. Although there are some points that can be improved, QMAPP integration to the Alphenix tablet has become an important part of the workflow.



QMAPP integrated Alphenix tablet

Which functionality in the tablet has the most added value for you?

Sampling

a weekend, when I was on-call and it was very busy. We were able to test it right away. One press on the button and it just works. You can rely on it.

Did it take you a lot of time to get used to using the tablet?

No, because it is so familiar. No training was required to get started. We used the tablet for the first time during

Would you recommend Alphenix tablet with QMAPP integration to other physicians and colleagues?

Yes. Definitely. We are very happy

with it. It is especially valuable to us that the lines of communication with Fysicon are short. If you want something different there are possibilities for that. We also really feel that we can contribute to improvements because our suggested changes are actually implemented.





Fysicon
creating medical solutions

QMAPP, a compact and simple technology in the cath lab, makes your Alphenix suite more efficient

One example of the cooperation between Fysicon and our department is the introduction of the option "Get worklist". Worklist update required up to one minute. This was often inconvenient, especially at the time when an emergency patient arrives. In consultation with Fysicon, an additional option has been added to actively refresh the worklist. This eliminates the need to wait and saves precious time. The system should be very convenient for all users. //

"I would 100% recommend it to others to start using this Alphenix tablet with QMAPP integration."

*Wim Nijwening,
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Learn more about:

Alphenix with
QMAPP integration here:



QMAPP here:

