

Press release Delta Hospital translated in English:

Innovative technology used to improve diagnosis corona patients

In the context of the fight against corona or COVID-19, it is increasingly important to make the diagnosis and treatment of COVID-19 patients as efficient and optimal as possible.

The radiology department of AZ Delta will therefore be the first hospital in Belgium to make structural use of a new technique, namely functional respiratory imaging (FRI).

AZ Delta is entering into a partnership with the Flemish company Fluidda, which developed and fine-tuned the technology during the first COVID-19 outbreak.

In COVID patients, the small blood vessels in the lungs are affected by the virus. Those small blood vessels are important for oxygen absorption. For example, if they are narrowed, the exchange of oxygen with the red blood cells is more difficult.

On a regular CT scan, the damage to the small blood vessels in the lungs is not visible, but with the FRI technique from Fluidda can be shown how serious the damage is.

This technique therefore allows for a better and more detailed diagnosis and makes it easier to estimate how the situation of the patient is.

This provides greater predictability of what care the patient will need, leading to a better organization of the availability of beds for corona patients in the hospital.

The reliability of the technique has now been demonstrated in several clinical studies, and can be used to determine the diagnosis and best care for each individual patient. AZ Delta is increasingly relying on patient data to improve the quality of care by using innovative techniques.