

CT contrast media injector CT motion SPICY

The perfect partner for high-flow coronary CT examinations now with new pressure performance

Ulm University Medical Center (UKU) is a maximum care facility with all specialist departments and more than 1,200 beds in total. It treats more than 55,000 inpatients as well as more than 300,000 outpatient cases each year.

To make computed tomography (CT) as safe and comfortable as possible for the patients, the Department of Diagnostic and Interventional Radiology has a total of four ultra-modern CT scanners and, of course, the contrast media injectors used are also state of the art.

Over 1,000 high-flow coronary CT examinations with contrast media are performed on one of the four CT scanners each year.

The UKU employs the highly viscous contrast media Imeron 400 (Bracco Imaging Deutschland GmbH) for coronary CT examinations, where the pressure performance of the injector is significant for the injection of highly viscous contrast media in order to be able to administer an injection with a programmed flow rate of up to 6 ml/s reliably.

For this purpose, the UKU is using the latest model of the ulrichINJECT CT motion from ulrich medical: The CT motion SPICY. In addition to a wide range of other new features, the CT motion SPICY now boasts a new pressure performance with high, settable application pressure of 17 bar and a new pressure regulator. In combination with a system pressure of up to 22.4 bar, the set flow rate is reached reliably – even for highly viscous contrast media.



CT motion SPICY

The CT motion SPICY was used for 25 scheduled examinations. A cannula size of 18G* and, depending on their BMI, a flow rate of up to 6 ml/s was used for the patients.

The data collected confirm that the CT motion SPICY is the ideal partner for high-flow coronary CT examinations**: It was not necessary to reduce the programmed flow rates of up to 6 ml/s with Imeron 400 (Bracco Imaging Deutschland GmbH) or abort the injections. The injection was successful in all 25 high-flow coronary CT examinations, and the programmed flow rates maintained at all times.

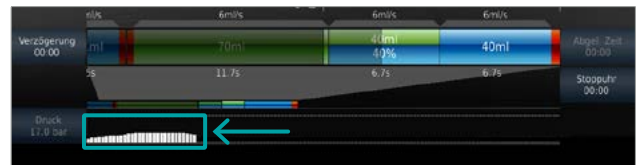
As such, it is clear that the CT motion SPICY functions reliably for high-flow coronary CT examinations and the new pressure performance of up to 22.4 bar impresses across the board. For the Ulm University Medical Center's Radiology department, the CT motion SPICY is the perfect partner for high-flow coronary CT examinations, as the increased efficiency saves both costs and time.

* B.Braun, Vasofix Safety, 96 ml/min

** High-flow coronary CT examinations: Flow rates of up to 6 ml/s depending on BMI, Imeron 400 mg Iod/ml (Bracco Imaging Deutschland GmbH), preheated to 37°C.



The Ulm University Medical Center radiology team



Example injection protocol for coronary CT examinations including pressure curve