
Shimadzu Launch New Smart C-Arm System

Shimadzu, worldwide manufacturer of diagnostic imaging equipment, has released the new multipurpose system *BRANSIST alexa*. It is available in two versions: the ceiling-mounted system C12 and the floor-mounted system F12. *BRANSIST alexa* meets all clinical requirements and also supports catheterization procedures via the radial or brachial approach. The new flat panel detector (FPD) with a field-of-view measuring 30 x 30 cm supports interventions on the entire body – no matter whether cardiological, neuroradiological or peripheral vascular examinations are required. *BRANSIST alexa* can be conveniently controlled – and represents the extended arm of the operator. Users appreciate the image processing in real-time and the excellent image quality while the patients are exposed to a lower X-ray dose.

Highly precise C-arm for fast, safe examinations

The C-arm of the *BRANSIST alexa* can be intuitively controlled and quickly positioned via CyberGrip or via CyberConsole. Projections angles can be set easily. The six-axes triple-pivot construction offers extraordinarily wide body coverage. The C-arm can be positioned at a speed of up to 25 degrees per second and thus contributes to reducing examination time. For increased safety, all movements of the C-arm are computer-controlled.

Direct Memory for remarkably easy operability

Users benefit from the “Direct Memory” system, which can be used to store the standard positions of the C-arm – a total of 72 projections to control SID, angulation and table height. Instead of storing numbers and angle displays, “Direct Memory” intuitively indicates the angle to swing the arm with respect to the patient. Precise positioning is made absolutely easy with “Direct Memory”.

Wide coverage

Table and C-arm movement allows a longitudinal coverage of 190 cm and a transversal coverage of 140 cm for the floor-mounted *BRANSIST alexaF12*.

The ceiling-mounted system C12 even covers 287 cm longitudinally and 160 cm transversally. Interventions on the head and the trunk are just as well possible as interventions on the lower extremities, without the patient having to be repositioned.

Unique – the patented RSM-DSA technology

The RSM-DSA technology is an example of the innovativeness and expertise of Shimadzu in high-speed image processing. It mainly supports interventions on the lower extremities and abdominal examinations – breathing and intestinal gas motions have hardly any influence on the DSA image quality due to real-time masking. Subtraction procedures in real-time decrease exposure, reduce the volume of the contrast medium and make it unnecessary to fixate the patient.

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