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ioRT-50 Equipment for x-ray therapy

Efficient application for superficial and intra-operative x-ray therapy

ioRT-50

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ioRT-50 x-ray therapy units deliver intra-operative radiation therapy (IORT) to tumors and tumor beds following re- section.

The transmission target tube design enables the treatment site to be easily reached.

The mobile trolley is designed for use inside the operating theatre. All components are inside the trolley cover. For intra-operative use, the cooling system can be prepared in advance, so it can be run offline during the entire treatment procedure.



ioRT-50 x-ray therapy units are intended for superficial x-ray therapy.

The ioRT-50 unit consists of a mobile trolley with a mounted x-ray tube stand. It is operated via an adjusted touchscreen panel or remotely via a tablet PC.

The tube head is mounted on a spring-loaded arm and can be turned on two axes. The spring-loaded arm itself is easy to move for height setting. A clamping mechanism enables the preselected

stand position to remain stable while treating the standing, sitting or lying patient. The trolley control desk contains a touchscreen, an emergency switch, a key switch, an x-ray START switch and an x-ray STOP switch for use near the device.

A separate tablet PC allows to control the unit remotely. The display screen shows all relevant device conditions, as well as the treatment time input.

Overview

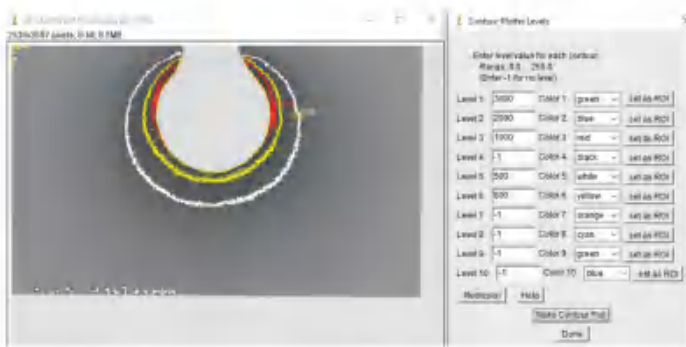
- Mobile unit
- Local and remote methods
- For operating the device
- High-capacity offline cooler (Water-water buffer)
- Circular, open applicators, fsd 15 and 30 mm
- Micro-processor controlled
- Service software with remote access

Technical Data	ioRT-50
Max. high tension [kV]	50
Max. tube current [mA]	8
Max. power [W]	500
Two-circuit cooler	Water - water
Number of selectable energies (combined filter, [mA], [kV])	2 (fixed filter)
Open Applicator - Focus to skin distance [mm]	15, 30
Mains	1~PEN 230 V AC, 10 AT
Stand variation	Mobile trolley with tube arm



A set of steam-sterilizable spherical applicators enable accurate adjustment to the target.

The dose delivery is homogeneous around the spherical surface. The high dose rate ensures short treatment times.



Spherical applicator dose distribution



Open applicator for skin treatment

Technical Data	ioRT-50
Max. high tension [kV]	70
Max. tube current [mA]	7
Max. power [W]	500
Two-circuit cooler	water - water
Number of selectable energies (combined filter, [mA], [kV])	1 (fixed)
Spherical Applicator diameter [mm]	35 - 40 - 45 - 50 - 55
Mains	1~PEN 230 V AC, 10 AT
Stand variation	Mobile trolley with tube arm

Manufacturer:

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