

OCTAVIUS® III



IMAT patient plan verification and in-vivo dosimetry

Features

- ▶ Patient plan verification and in vivo verification of dose delivery and MLC accuracy during actual patient treatment provided in one solution, using a novel, clinically validated QA technique
- ▶ Customizable, color-coded alarm levels to quickly detect serious (e.g. lost MLC positions) as well as minor leaf malfunctions and plan deviations during each session
- ▶ Ingeniously simple installation and everyday operation
- ▶ Available for all standard MLCs

Designed to close the gap in IMRT QA, OCTAVIUS III cleverly combines pre-treatment verification using OCTAVIUS II with the DAVID Detector, a truly innovative real-time in vivo dosimetry system for IMRT. By integrating DAVID, OCTAVIUS III gives you a powerful, yet highly practical QA solution at hand to verify whether the planned dose is actually being delivered over the entire treatment period. It is the ultimate safety layer for complex IMRT treatments.

DAVID features a transparent multiwire ionization chamber (MIC) which is installed below the MLCs. Measurement wires are stretched parallel to the running direction of the MLCs. Each measurement wire monitors the opening of a leaf pair. The evaluation software compares the dose measured during radiotherapy to a reference dose, which was taken during a reference measurement. DAVID can be used independent of the IMRT method (Step and Shoot, Sliding Window or Dynamic Arc).

The DAVID system was developed in collaboration with PIUS Hospital and CARL VON OSSIETZKY University, Oldenburg as well as Goettingen University, Germany.

Ordering Information

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