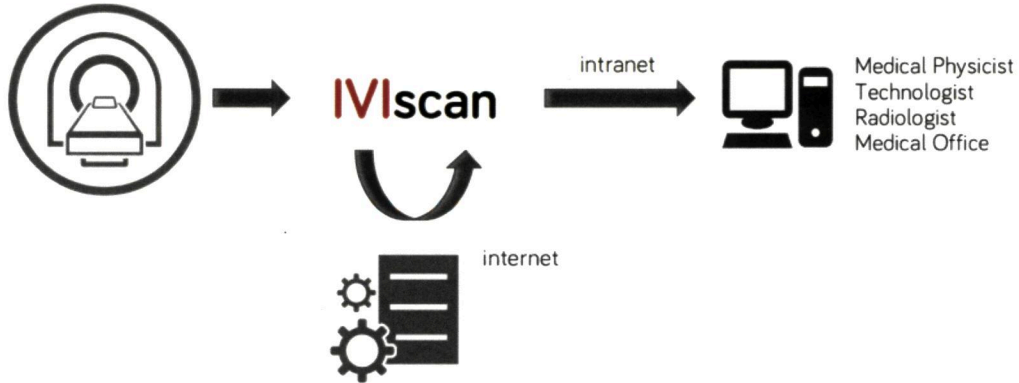




FIBERMETRIX

Innovative solutions in dose measurement

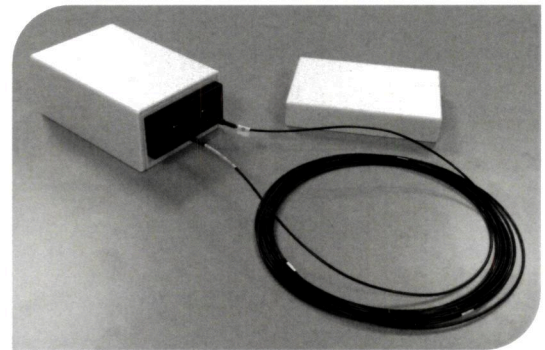
Work healthier, improve your control of dose



FiberMetric propose innovative solutions for real-time dose monitoring of ionizing radiation within the medical field.

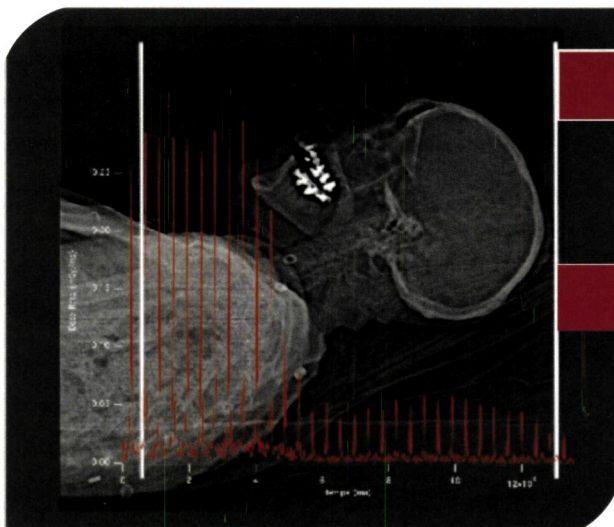
Based on fundamental research, its first patented sensor **IVIsScan** provides automatic feedback each CTDI of patient dose to increase radiation awareness during a computed tomography exam.

Already used for research purposes, this optical fiber sensor, full integrated in the CT couch, will be available during 2018.



CT Scan patient dosimetry in real-time

IVIsScan is designed for real-time dose monitoring in CT scan exams



VISUALIZE

All revolution of X-ray tube
Tube current modulation

PROVIDE

CTDI and DLP
Scan length acquisition
Overranging evaluation
Peak skin dose

Medical Staff

Easy to use & No time needed
Full integrated in the CT couch
No additional work to be done

Medical Physicist

Suitable for CT quality controls
Optional sensor for specific dosimetry
On-line

Product description

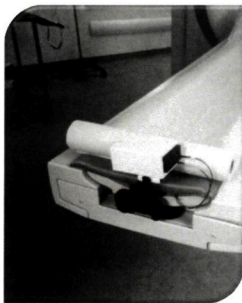
The first device able to measure exposure time and dose rate waveform with ms resolution during CT exam.

The IVIscan sensor is a cylindrical 200cm scintillating fiber with a 0,5mm external diameter. It is designed for CT x-ray beam measurements in CQ and patient dose monitoring.

It has excellent energy and volume response, and high spatial resolution (i.e. radiation position) along its entire 200cm active length.

Technological opportunities

These informations are provided as an indication, they are not contractual and could not engage the responsibility of Fibermetrix (CE in progress).



Simplicity

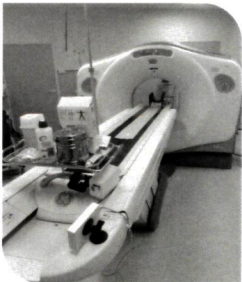
Easy to use – full automatic

Well integrated in the CT couch

No additional work to be done

DACS and PACS compatibility

The IVIscan is installed only once. The dose measurement and dose report are automated and carried out for each patient



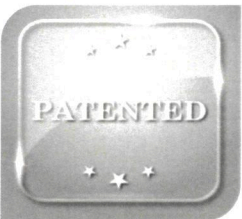
Durability

IVIscan probe is plastic composition and so **less breakable than usual dosimeters**

Automatic wireless charging

No manipulation is needed

For a better withstanding life on the road



Accurate

The IVIscan **optic fiber technology offers many benefits** including durability, stability over time, small size and radiotransparency, making real-time patient dose measurement possible

Patented technology

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