



FDA 510(k)
Clearance K013897

IRIS

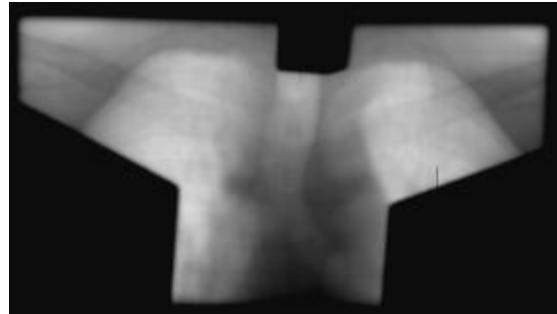
CE 0120

THE FIRST REAL-TIME DYNAMIC IMAGING SYSTEM EVER MARKETED FOR RADIOTHERAPY. TRUE MONITORING DEVICE OF THE PATIENT'S POSITION AND ORGAN MOTION DURING THE TREATMENT.

Portal Imaging with IRIS (Interactive Radiotherapy Imaging System).

IRIS, a **dynamic imaging** radioscopic system with a **high level of contrast and sensitivity**, is used in cancer therapy to monitor the patient's position during treatment with external beams.

IRIS improves the quality of the treatment and allows more accurate visualization for localization of the treatment area.



ENT (6 MV) – Anterior field

New sensitive surface : 41 cm x 41 cm

IRIS is independent from the accelerator builders. It is compact, **can easily be integrated in any standard medical linear accelerator equipment** and **improves its performances**. It produces, in **real-time**, up to **10 images per second**, with a **16-bit resolution readout**.

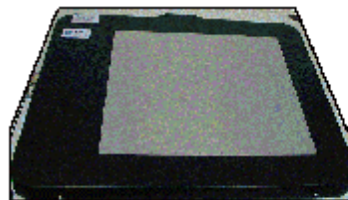
IRIS uses a large area pixel matrix with a sensitive surface of 20 cm x 20 cm or 41 cm x 41 cm based on a solid state amorphous silicon detector.



Rectum (18 MV) - Anterior field



Control room



Model IRIS-41



Model IRIS-20



Treatment room

IRISC_E

Specifications are subject to change without notice.

Release : 01/03/07

BREAST MICROVISION
EARLY BREAST CANCER DETECTION

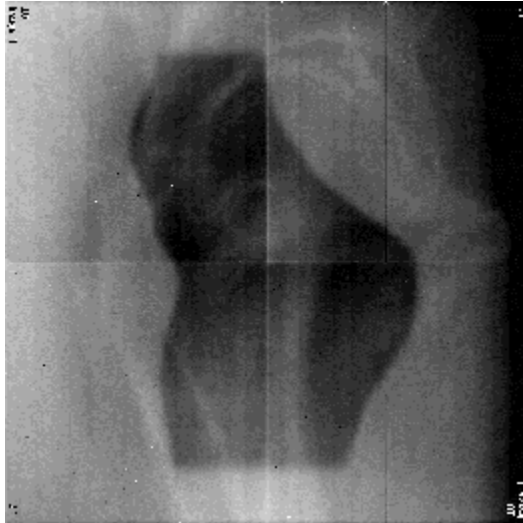
ANIMAL-VIEW
PORTABLE DIGITAL X-RAY EQUIPMENT
FOR VETERINARY APPLICATIONS

X-VIEW
DIGITAL IMAGING AND
CONTROL SYSTEM FOR NDT

PIXRAY
LOW RADIATION, HIGH CONTRAST
DYNAMIC IMAGING SYSTEM

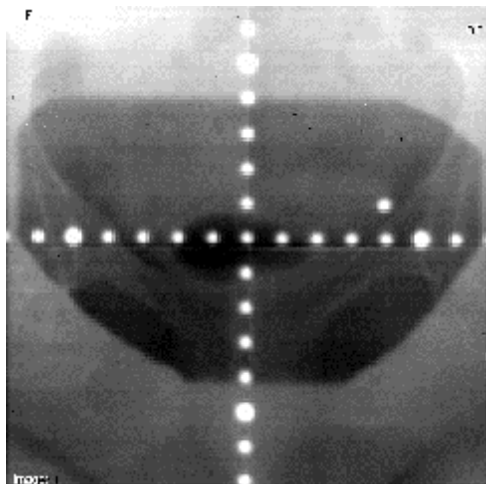
IRIS
DYNAMIC IMAGING AND MONITORING
SYSTEM FOR RADIOTHERAPY

The excellent quality of the images enables **on-line identification and correction of small shifts** of the treatment field and **real-time monitoring of internal organ movements**. As a result, the risk of irradiating healthy tissues diminishes and the treatment efficiency increases.

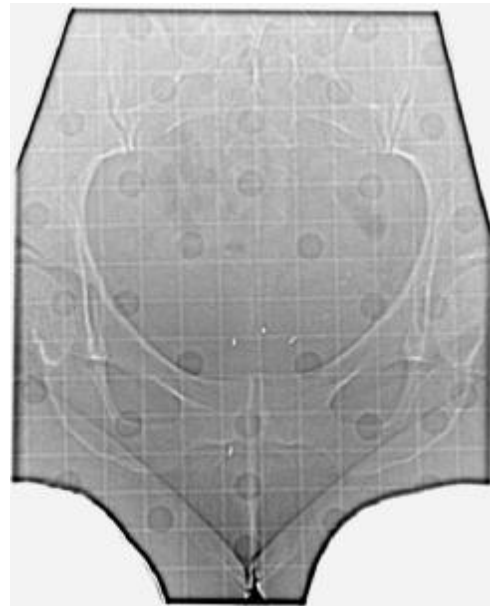


Prostate - Lateral field
Double-exposure IRIS image
at 6 MV with 2 MU.

The images are directly displayed on the PC monitor and archived in a digital form thanks to **IRIS-View**, a **very user-friendly** image processing software. **Telemedicine is made possible**: the medical information can be transferred through PACS or Internet networks.



Bladder - Anterior field
Double-exposure IRIS image
at 6 MV with 2 MU.



Pelvis (6 MV) – Anterior field

IRIS enables on-line **mapping of the exit dose** and recording of the delivered dose from one session to another. The high speed and quality of images make possible on-line beam modulation, collimator control and fast position adjustment.

IRIS ensures **quality control for IMRT**.



Chest (10MV) - Anterior field

Since 1990 the activities of BioScan Switzerland focus on biomedical X-ray imaging and non destructive testing (NDT). BioScan designs, manufactures and commercializes really new products using cutting-edge technology.