

# BioVision System Benefits Surgeons, OR Staff and Patients at NHS Royal Bolton Hospital



NHS Royal Bolton Hospital has been provided with a **BioVision** system - a state-of-the-art Faxitron x-ray machine, which analyses tissue during surgery, saving the time usually spent referring back to the breast unit. Behind the donation is the charity 'Boot Out Breast Cancer', set up in 2010 by Debbie Dowie, wife of former footballer, manager and now television pundit Iain Dowie. Debbie, 44, was diagnosed with breast cancer in August 2009 and says the experience made her determined to turn the situation around and do something positive.

## **Tibor Kovacs, a surgeon at the Royal Bolton Hospital, explains the benefits of having Faxitron's BioVision system:**

"At Bolton Breast Unit we treat more than 180 screen detected breast cancer cases per year. The majority of these patients are diagnosed with non-palpable disease in the breast and therefore require a localization/markings procedure prior to their surgery, which is performed at the breast unit. At the same time the tissue removed from the breast has to be x-rayed in order to confirm surgical margins.

The **BioVision** is a very user-friendly, quick and efficient device which allows us to perform these surgical specimen x-rays in the OR, and delivers, on screen, high resolution images within seconds. The device allows us to intraoperatively perform several images of the removed specimen, this helps reduce the length of the surgical procedure, and ensures a more accurate assessment of the specimen. This reduces the amount of time which a patient is under unnecessary anesthesia and significantly improves the standard of care.

The OR staff also benefit greatly from the **BioVision** as they no longer have to transport the specimens to the breast unit which is at the opposite end of the hospital. It is time/workforce saving and efficient."

## **Above:**

*Royal Bolton's Consultant Breast Surgeon Tibor Kovacs demonstrating how the **BioVision** is used in the OR, to Debbie Dowie (Founder of Boot Out Breast Cancer)*



[bootoutbreastcancer.org.uk](http://bootoutbreastcancer.org.uk)

*"The Faxitron machine has made a huge difference to the surgeons operating at NHS Royal Bolton Hospital."*

**Debbie Dowie**

View the  
BioVision  
video online



Post-processing image enhancement for optimal viewing

Keyboard with single, continuous surface

40kV and 1.5mA x-ray source

Complete, integral, mobile system

Convenient mag tray storage

Easy computer access and storage

Footprint smaller than 4 sq. ft.



Precise image manipulation with trackball

One touch image capture

Transparent window for viewing specimen

Detector with a 48 micron pixel pitch (10 lp/mm limiting spatial resolution)

3 hour battery back-up operation