



SENTINELLA 102 PORTABLE GAMMA CAMARA
NEW TECHNOLOGY IN THE USA

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LECTURE: 1:00 PM - 2:00 PM

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ROOM EC 1115
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Abstract:

PERSONALIZED ONCOLOGICAL SURGERY, THE NEXT REVOLUTION, NOW SENTINELLA 102, born as a PhD degree project led by Dr. Benlloch in the Corpuscular Physics Institute in Valencia, Spain, is a new technology coming into the U.S. It is a suite of integrated technologies, high performance portable gamma camera + gamma probe + pointers + dedicated software, making possible real-time molecular vision in the OR and NM. It guarantees and documents complete resection of identified tumors and lymph nodes, confirming completeness (clean field) with clinical and legal validity. This equipment specializes in breast, colorectal, prostate, thyroid, head & neck, melanoma, and lung cancer surgery.

The purpose of this presentation is to express several tips and steps that should be considered when working on a prototype to reach an actual product. To achieve that goal, one must always listen and learn to the market by benchmarking similar products, proceeding in continuous market research, and analyzing quality appraisals which will give life to future products such as Sentinella for diagnostic use and 3D imagery.

Biography

- 1994 - 1997 UNIVERSITAT DE VALENCIA - PHYSICAL SCIENCE DEGREE
- 1997 - 1999 UNIVERSITAT DE VALENCIA - ELECTRONIC ENGINEER

RESEARCH GRANT INTEGRAL SATELLITE PROJECT. Universitat de Valencia.

Member of the engineering team in charge of assembly, testing and delivery process of the coded masks IBIS, SPI y JEM-X for INTEGRAL satellite.;

Software modeling of lightning current on Earth.

Software developing for earth spikes designing;

Sales Manager in electronic instrumentation Distron; design and manufacture of electronic boards for physics research.

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