

## High-resolution devices for sentinel-node detection in breast cancer

*Sunday 6 September 2009 16:00 (30 minutes)*

We worked with two models—1in2 and 4 in2 FOV—of high-resolution hand-held cameras (HRCs), to verify if a HRC shows advantages over an Anger camera (AC) plus common gamma probe (GP). Methods: 280 patients with T1 breast cancer were divided in two groups of 140—one studied with AC-GP, the other with HRC. Patients were age, body mass index, and tumour size matched. Results: HRC detected more nodes than with GP+ AC: 247 vs 192 ( $p < 0.01$ ). 45 nodes showed invasion in the HRC group, 32 in the AC+GP group ( $p = 0.05$ ). Conclusions: HRC shows clinically interesting advantages over AC-GP.

**Author:** Dr SCOPINARO, Francesco (University “Sapienza”)

**Co-authors:** PARISELLA, Maria-Gemma (University “Sapienza”); PIZZICHINI, Patrizia (University Hospital S.Andrea); MASSARI, Roberto (Institute of Bio-Medical Technologies (ITBM) CNR)

**Presenter:** Dr SCOPINARO, Francesco (University “Sapienza”)

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