

## Case History

### ***Atypia Finding Prompts Follow up That Identifies Lesion***

When Judy visited her ObGyn for her annual well woman exam in October 2008, her recent breast health history was problematic but not overly concerning. She was 46 with no family history or other risk factors for breast cancer. A routine mammogram had revealed an abnormality—a calcification in her left breast—which a follow-up spot compression mammogram had confirmed. The microcalcification was in the same area as a cyst that had been detected by breast ultrasound the year before, so the radiologist recommended a stereotactic biopsy of the left breast.

### ***NAF Result Convinces Patient to Undergo Biopsy***

Before deciding to undergo the biopsy, Judy scheduled an appointment with ObGyn Jigisha Upadhyaya, M.D. for a well woman exam. During the exam, Dr. Upadhyaya suggested she take the HALO® Breast Pap Test and Judy agreed. The pathologist analyzing the test results found atypia in Judy's left breast. Based on those results, Dr. Upadhyaya strongly recommended that Judy undergo the biopsy.

"HALO increased my suspicion that something was wrong," Dr. Upadhyaya says. "It helped me recommend more forcefully that Judy go after the biopsy. Ordinarily, she might have ignored the radiologist's recommendation because she had no symptoms."

According to Dr. Upadhyaya, the HALO results also motivated the radiologist and the surgeon performing the biopsy to be more aggressive in their pursuit of an answer. The initial biopsy was negative. Without HALO, they might have stopped looking at that point and recommended another mammogram or ultrasound in six months. Instead, a second biopsy was performed, which found atypical papillary hyperplasia, a pre-cancer that the pathologist believed might be DCIS (ductal carcinoma in situ).

### ***HALO Provides Critically Important Factor***

The lesion was removed by lumpectomy in December 2008. Judy also received three weeks of radiation therapy as a precaution. She agrees with Dr. Upadhyaya that the HALO results were the critical factor in motivating her to go forward with the biopsies that ultimately found the lesion. "If I had not had the HALO test, I might not have thought the situation was serious enough to do anything about it," she says. "I tell people this machine saved my life."

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M3-007 (6/09)