

Challenge

- An estimated 310,660 US breast cancers will be diagnosed in 2016¹
- In 2015, it's estimated that almost 30% of newly diagnosed cancers in women will be breast cancers¹
- Nearly 20% of breast cancers are initially not detected on mammograms²

Potential Value to Radiologists

Reducing False Negatives

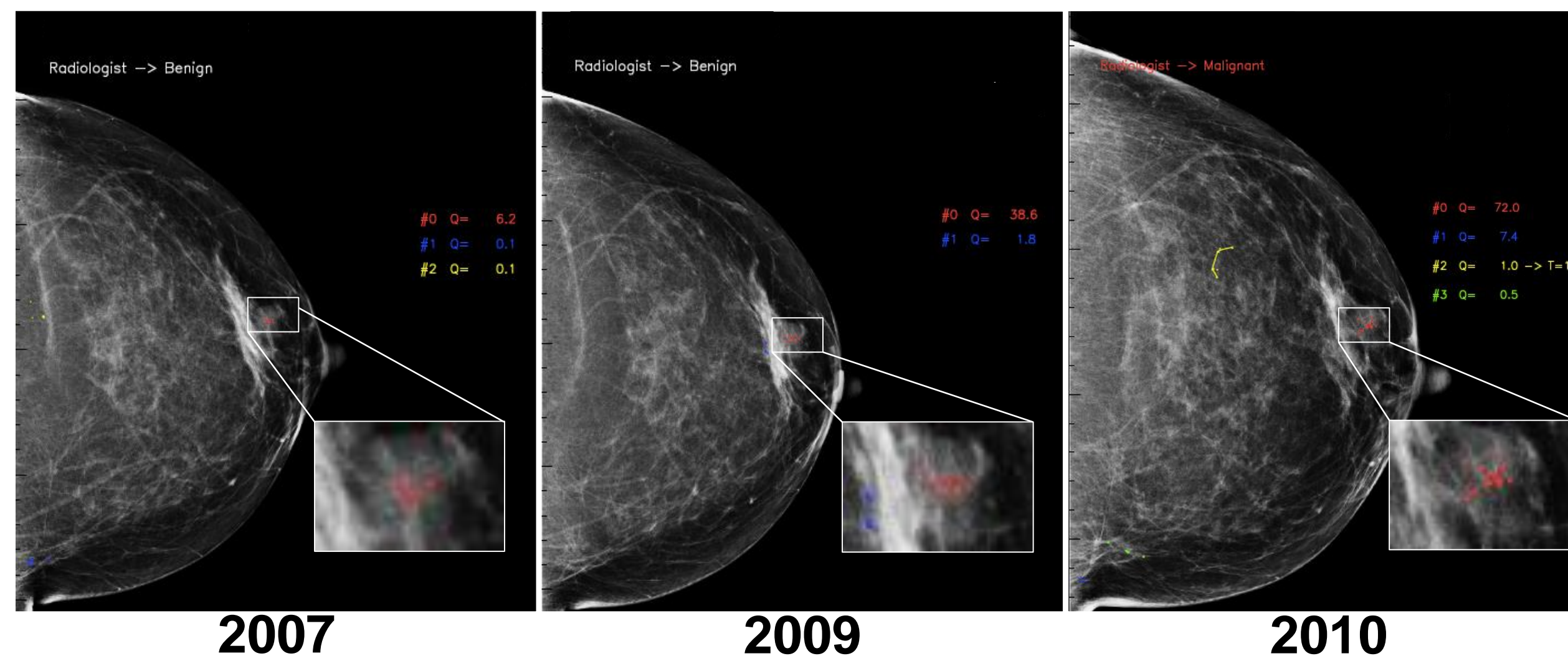
- Improved sensitivity could lead to earlier lesion detection
- May increase confidence in diagnosis

Reducing False Positives

- Fewer False Positives per Image (FPPi) could improve clinical efficiency
- May reduce screening recall rates

Risk Score Index for Early Detection

qCAD score may detect breast cancer before radiologists - in this case 4 years prior to diagnosis



Higher qCAD score = Higher suspicion for cancer
Rapid change in qCAD score over time = High grade lesion

Potential for Reduced Cost & Pain

Radiologists

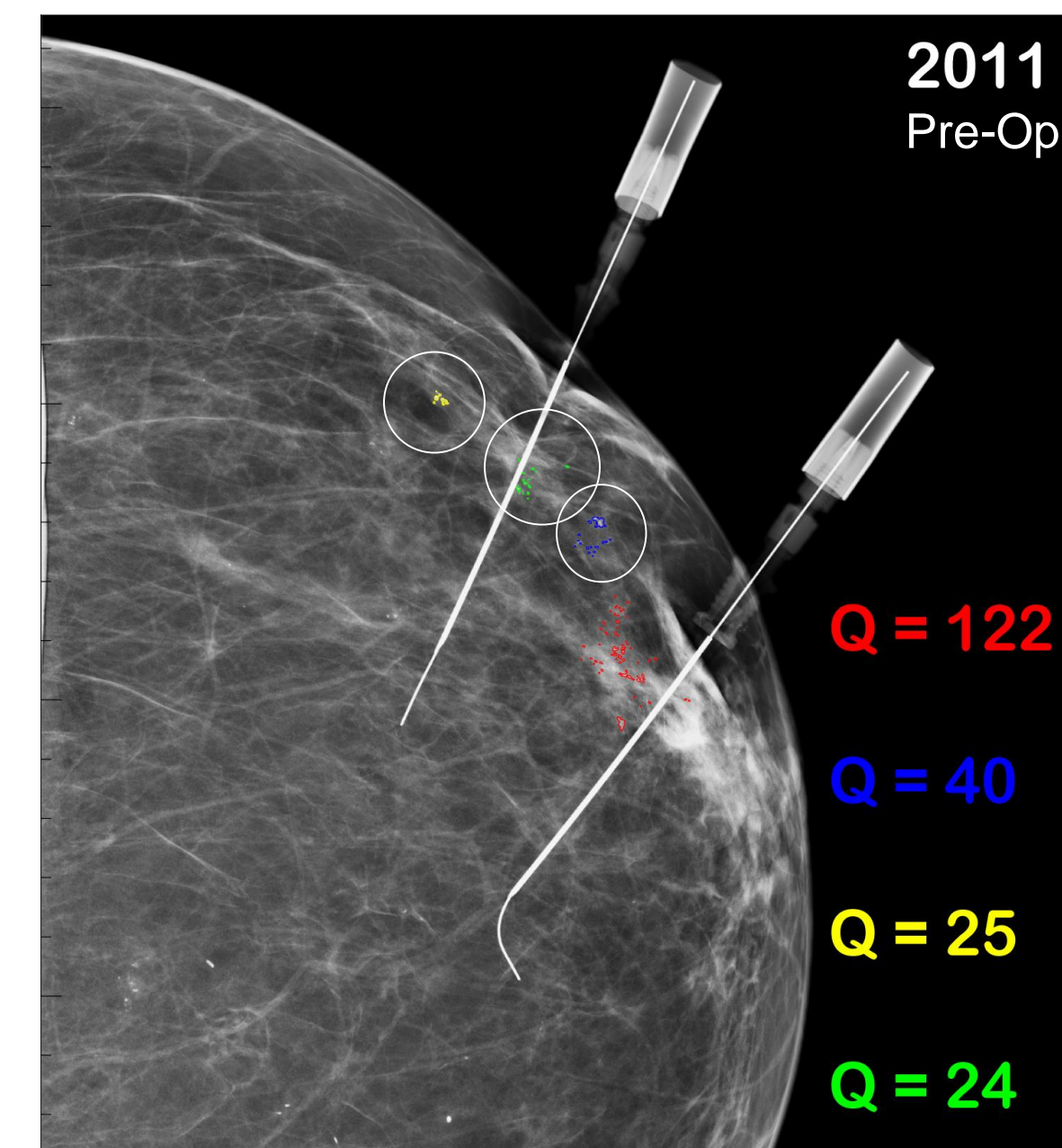
- 75% false positive biopsy rate¹
- \$4 Billion spent annually on mammography false positives²

CureMetrix

- Potential to decrease the number of biopsies by 50% after retrospective review of images³
- Fewer recalls & biopsies would save money and patient agony⁴

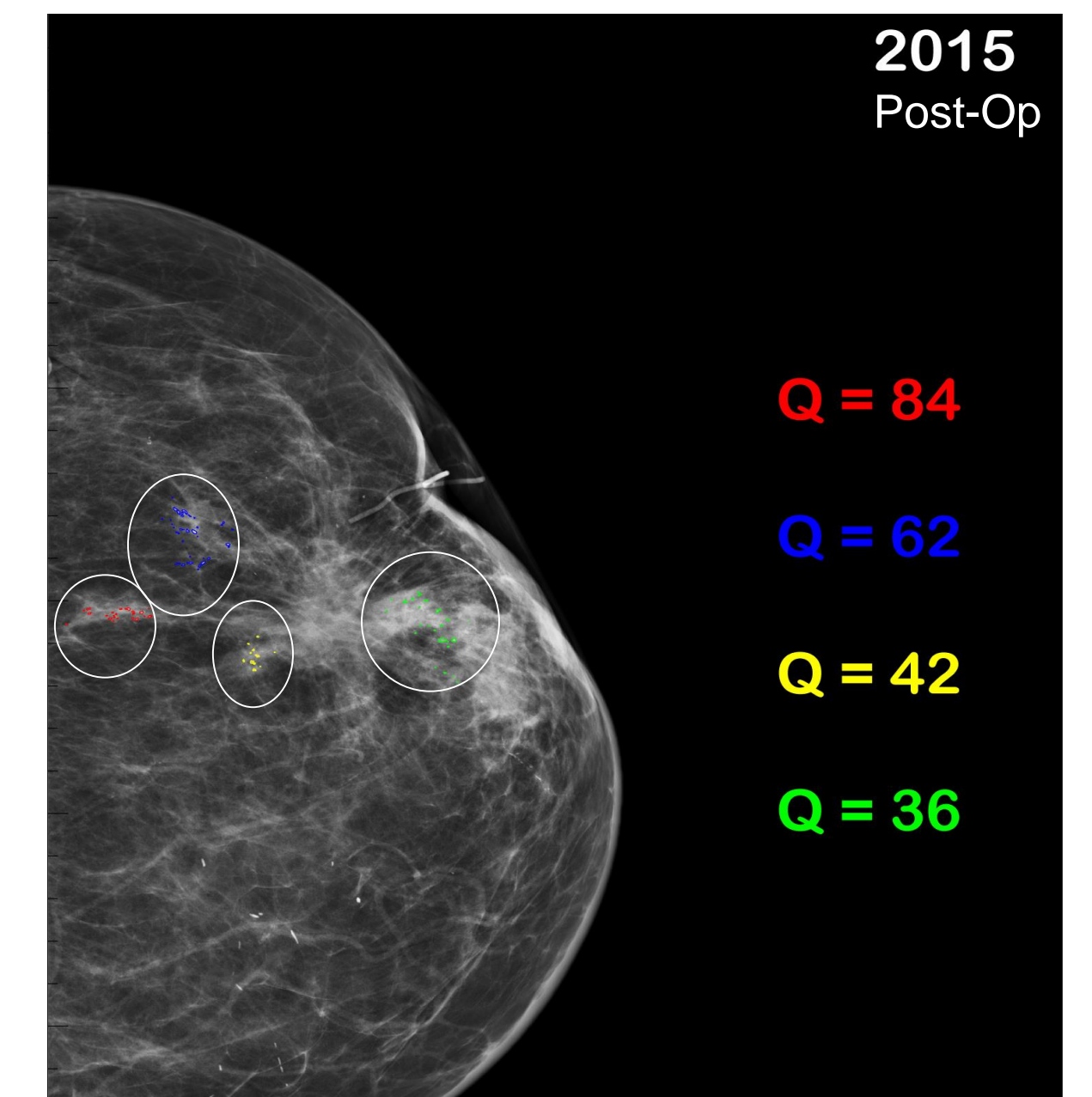
1. <http://jama.jamanetwork.com/article.aspx?articleid=2203798>
2. <http://www.medpagetoday.com/HematologyOncology/BreastCancer/50898>
3. Abstract (2801), Reducing Biopsies: Novel Mammographic Algorithm, for oral presentation at the American Roentgen Ray Society's 116th Annual Meeting
4. <http://online.liebertpub.com/doi/full/10.1089/jwh.2014.1511>

Potential to Better Identify Cancer Margins



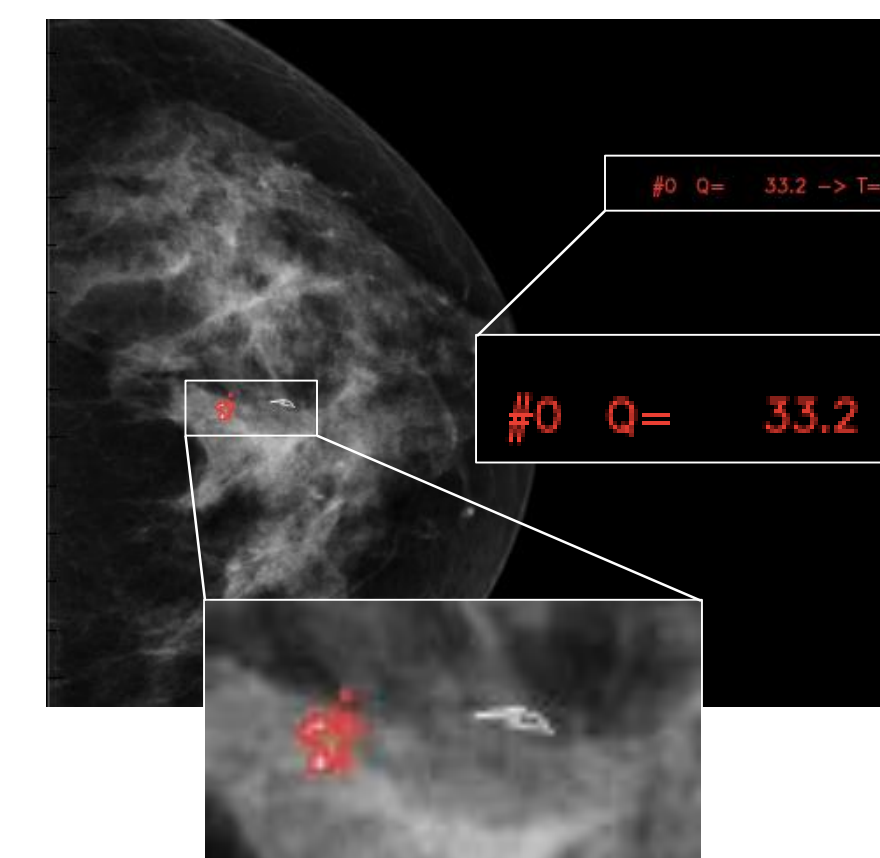
Lesions which would have been identified with qCAD¹ were not removed at surgery

1. Based on retrospective review using CureMetrix, Inc. technology



Local regional recurrence four years later was treated with a mastectomy

Fewer False Positives Per Image (FPPi)



	CureMetrix ¹	Other CAD ²
Sensitivity	90%	90%
Specificity	86%	73%
FPPi	0.047	0.19

Type 2: CureMetrix correctly coded this false positive and could have eliminated this unnecessary biopsy.

1. CureMetrix Inc, data (unpublished)
2. <http://www.accessdata.fda.gov/cdrhdocs/pdf12/p1200004b.pdf>