TOMOSYNTHESIS:
AN IMPORTANT NEW TOOL IN THE WAR AGAINST BREAST CANCER

Pamelya Herndon, Executive Director
Southwest Women’s Law Center
MAMMOGRAPHY AND BREAST CANCER: MORE THAN JUST MEDIA HYPE!
When breast cancer is detected **before** it has spread to the lymph nodes, the five year survival rate is **98%**.
Most common cancer in women: one woman in 8 by age 95 (20% <50)

- 5 to 10% is hereditary breast cancer (these linked to ovarian cancer too)
How Does 3D Mammography (Breast Tomosynthesis) Work?
The Value of 2D Plus Breast Tomosynthesis
Tomosynthesis Imaging vs. 2D Alone

- **Breast cancer screening with tomosynthesis finds many more cancers than conventional 2D mammography**

- **Tomosynthesis gives radiologists the confidence to significantly reduce recall rates**

- **Masses, distortions and asymmetric densities are better visualized with breast tomosynthesis**

- FDA PMA submission P080003


**AND OTHER RECENT STUDIES:**
MAMMOGRAPHY

1000 screens

100 recalls

20 biopsies

4 cancers (1 missed)

What is the scientific evidence that tomosynthesis works?
12,631 Screening Studies

2-D Digital Mammo alone: 6.1/1000 detect. rate

2-D + 3-D Tomosynthesis: 8.1/1000 detect. rate

Difference: 25% increase in cancer detection rate with tomosynthesis (25 more cancers)

False Positive rate: Decreased by 15% (61/1000 vs. 53/1000) with tomosynthesis

- Single practice study: 23,355 examinations
- 2-D Digital Mammo alone: 4.0/1000 detect. rate (2.8 invasive cancers/1000)
- 2-D + 3-D Tomosynthesis: 5.4/1000 detect. rate (4.3 invasive cancers/1000)
- Difference: 35% increase in cancer detection rate with tomo (53% increase in invasive ca’s)
- Recall rate: Decreased by 37% (87/1000 vs. 55/1000) with tomosynthesis

Single practice study: 59,617 examinations

2-D Digital Mammo alone: 4.9/1000 detect. rate
(3.2 invasive cancers/1000)

2-D + 3-D Tomosynthesis: 6.3/1000 detect. rate
(4.6 invasive cancers/1000)

Difference: 29% increase in cancer detection rate with tomo (44% increase in invasive ca’s)

Recall rate: Decreased by 16% (162/1000 vs. 136/1000) with tomosynthesis

Multi-center study: 454,850 examinations

- 2-D Digital Mammo alone: 4.2/1000 detect. rate (2.9 invasive cancers/1000)
- 2-D + 3-D Tomosynthesis: 5.4/1000 detect. rate (4.1 invasive cancers/1000)
- Difference: 29% increase in cancer detection rate with tomo (41% increase in invasive ca’ s)
- Recall rate: Decreased by 15% (107/1000 vs. 91/1000) with tomosynthesis

CURRENT STUDIES SHOW THAT TOMOSYNTHESIS IN THE SCREENING SETTING TRULY CAN FIND MORE CANCERS, AND DECREASE THE RECALL RATE, AT THE SAME TIME!
Let’s take a look:
Tubulolobular Adenocarcinoma
Digital Mammo (2D)

Tomo Slice (3D)
NOW WE CAN SAVE LIVES LIKE NEVER BEFORE,

AND - WE CAN CALL LESS PATIENTS BACK TO DO SO!

(A REAL WIN-WIN SITUATION!)
Current program
Improve Women’s Access to Healthcare
Celebrate Good Health Protocols for Women in New Mexico
Reduce Recall Rate
Start a Protocol for Treatment much earlier
Please Approve our Request for Saving Women’s Lives
Support $500,000 Tomosynthesis Funding for Low Income Women
Questions?

Pamelya Herndon
Executive Director
Southwest Women’s Law Center
pherndon@swwomenslaw.org
505-244-0502