Older Women with Breast Cancer (Part 1): Defining Population Trends by Age

Hyman B. Muss, MD
Professor, Medical Oncology
Director, Geriatric Oncology Program
Lineberger Comprehensive Cancer Center
University of North Carolina
Chapel Hill, NC

Older Women with Breast Cancer: Slow Progress, Great Opportunity, Now is the Time!
Hyman B. Muss, MD
UNC Lineberger

Clinical
110,000 Patient Visits
4,000 New Patients
700 on Therapeutic Trials

Research
300 Members
$191 M Total Costs

Training
22 pre and postdoctoral training grants

Breast cancer like most human cancers is a disease of aging!
12/2/12

The Public Image

Cancer... and breast cancer become respectable and gets a positive public image

Kylie Minogue

Nancy Reagan – Breast Cancer at age 64
% US Population 65 and older

Cancer, Age, and Longevity

% All Cancer by Age

Estimated Survival & Age

# years life remaining

SEER '08; age onset ~66; death 73
SEER 2002-2006: Breast Cancer Incidence and Mortality Rates

Average Age ~ 61


Breast cancer death rates for the US population from 1980 to 2007


Smith B D et al. JCO 2011;29:4647-4653
Breast Cancer U.S. – 2012

• Stage/Extent at Diagnosis
  ~ 230,000 new women with breast cancer
  29% of all cancer in women
  • 50,000 are new DCIS patients
  50 – 65% node negative
  30 % node positive
  < 5% spread (metastases) at diagnosis
• ~ 40,000 deaths
  14% of all cancer deaths in women