William S. Halsted (1882)

Radical Mastectomy
Changing Trends in Breast Cancer

Single approach

Individual experience
Breast Cancer

- Specialization
- Evidence-based
- Multidisciplinary comprehensive approach
Multidisciplinary Approach
Impact on Patient Management

↑ 50% Conserving Surgery
↑ 5 – Fold Activity
↑ Clinically
↑ Financially
↑ Academically

August, DA et al
University of Michigan
Multidisciplinary Approach
Impact on Patient Management

- Imaging 45% → Surgery 11%
- Pathology 29% → Surgery 9%
- Surgery 34%
- Overall Surgical Management 52%

Newman, EA et al
University of Michigan
Cancer 107:2346-51, 2006
Multidisciplinary Approach
Impact on Patient Management

→ Change in Treatment 43%

Chang, JH et al
University of Pennsylvania
Cancer 91:1231-7, 2001
Multidisciplinary Approach
Impact on Patient Management

↓ Mortality
↑ Quality of Care
↓ Associated Costs

van Nes, JG & van de Velde, CJ
Leids Universitair Medisch Centrum
Ned Tijdschr Geneedsk 149:1941-6, 2005
Multidisciplinary Approach
Impact on Patient Management

↑ Patient satisfaction
↑ Help patients with treatment decisions
↓ Waiting period

Global et al
Henry Ford Hospital
Multidisciplinary Approach
Impact on Patient Management

93% - Same Day Diagnosis
12 Waiting Days
50% - Conserving Surgery
67% - One-Stage Surgery
74% - Five Year Disease Free Survival

Loveridge, KH et al
Sydney University
Aust NZJ Surg 69:396, 1999
Breast Cancer Outcome

UK and USA

400 Clinical Trials – 350,000 Women

1990-2000 (ages 35-69)

↓ 25% Mortality

- Early Detection
- Multidisciplinary Approach

Peto, R et al
Oxford University
Lancet 355:1822, 2000
Breast Cancer Outcome

UK and USA

In One Generation (age 35-69)

↓ ~ 50% Mortality

Peto, R
EBCTCG
SABCS 13/12/2007
Breast Cancer

Specialization

Multidisciplinary Approach

Breast Centers
Charles-Marie Gros

First Health Service for the Diagnosis and Treatment of Breast Diseases (1960)

SIS (1976)
Breast Centers

- Patient-Oriented System
- Comprehensive Therapeutic Support
- Multidisciplinarity
- Multiprofessionality
Multidisciplinary breast cancer clinics. Do they work?  
Gabel M, Hilton NE, Nathanson SD.

Guest Editorial: State-of-the-art breast units - a possibility or a fantasy? A comment from the US.  
Silverstein MJ.

Should specialist breast units be adopted in Europe? A comment from Europe.  
Mansel RE.
**MJA 2003; 179 (10): 528-531.**

**Breast J. 2003 Jan-Feb;9(1):60-3.**
Breast cancer multi-disciplinary teams in England: much achieved but still more to be done. Whelan JM, Griffith CD, Archer T.
Interdisciplinary breast cancer care: declaring and improving the standard.
Rabinowitz B.

Breast cancer units can significantly improve surgical management of early invasive breast cancer.
  Guest Editorial, **Multidisciplinary Cancer Clinics: Their Time Has Come.**
  Chang AE, MD.

  Editorial, **Breast Centers Revisited – a Critical Perspective.**
  Gnant M.

  A multidisciplinary approach to the management of breast cancer: prevention and diagnosis.
Breast Cancer Improved Care

- Centralized treatment
- Multidisciplinary teams
- Earlier diagnosis
- Treatment protocols
- Improved hormonal & chemotherapy options
Multidisciplinary Breast Care Team

Surgery
Oncology
(Medical and Radiation)
Radiology
Pathology
Genetics
Multidisciplinary Breast Care Team

Nuclear Medicine
Oncology Nursing
Psycho-Oncology
Social Assistance
Breast Centers

Benefits

↑ Standard of Care
↑ Treatment Planning
↑ Survival
↑ Emotional Needs Recognition
↓ Aggressive Surgery
Breast Centers Benefits (cont.)

↑ Quality of Life
↑ Team Communication
↓ Service Duplication
↓ Health Care Costs
↑ Educational Opportunities
Breast Centers

Key Point: Quality of Communication

- Between Physicians
- Between Patients and Physicians

Patient at the Center of Care

“Listening is the most important communication skill”
Breast Centers

Consensus Forum
Discussion on Each Individual Case
Prospective Comprehensive Treatment
Breast Centers

- Single Setting
  ("One-Stop-Shop")

- Separate Settings
  ("Centers Without Walls")
Europe

“Florence Statement” (1998)

“All women across Europe should have access to fully equipped, dedicated breast units.”

First EBCC (EUSOMA, EORTC- BCCG, EUROPA DONNA)
Breast Centers

European Guidelines

Accreditation of Breast Units

EBCC:
Brussels (2000)
Nice (2006)
Breast Centers

GUIDELINES:
- EUSOMA, EORTC-BCCG
- ESSO
- BASO
- UKNHS

CONSENSUS:
- NIH
- NCCN
- ST. GALLEN
Breast Centers


“All units involved in screening, diagnosis or therapeutic activities must ensure the formation of proper multidisciplinary team work”
R.W. Blamey, L. Cataliotti

*European Journal of Cancer* 42: 1331-37, 2006

Position Paper

EUSOMA Accreditation of Breast Units
European guidelines for quality assurance in breast cancer screening and diagnosis  Fourth Edition

Editors
N. Perry
M. Broeders
C. de Wolf
S. Tornberg
R. Holland
L. von Karsa

Technical editor
E. Puthaar
The requirements of a specialist Breast Unit

Authors
R. Blamey
L. Cataliotti

This is a revised version of the original EUSOMA position paper published in 2000
(European Journal of Cancer 2000; 36:2288-2293)
According to WHO, mammography screening can reduce deaths from breast cancer by up to 35%.

90% of all breast cancer cases could be cured if detected early and treated in quality assured specialist breast units.

Statistics based on data from the International Agency for Research on Cancer (www.iarc.fr)
Breast Cancer
European Parliament Resolution

Session document 18.10.2006

European Parliament resolution on breast cancer in the enlarged European Union

- Nationwide screening
- Nationwide interdisciplinary centers
Breast Cancer
European Parliament Resolution
(25/10/2006)

Nationwide Interdisciplinary Centers

“Since treatment in an interdisciplinary Breast Center has proven to raise chances of survival and to improve the quality of life”
Breast Centers

USA

Breast Cancer Treatment Guidelines

National Accreditation Program
NAPBC Member Organizations

American Board of Surgery
American Cancer Society
American College of Surgeons
American Society of Breast Disease
American Society of Breast Surgeons
American Society of Clinical Oncology
American Society for Therapeutic Radiology and Oncology
Association of Cancer Executives
Association of Oncology Social Work
College of American Pathologists
National Cancer Registrars Association
National Consortium of Breast Centers
Oncology Nursing Society
Society of Surgical Oncology
Making Multidisciplinary Cancer Care a Reality

A National Breast Cancer Centre Report and Recommendations

July 2006

Funded by the Australian Government Department of Health and Ageing
Working together as a team means winning together as a team.
# Breast Unit Directory

**Jan. 2011**

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**Breast Units Directory cont.**

**Jan. 2011**

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</table>
Breast Cancer
European Parliament Resolution

Session document 18.10.2006

- Nationwide screening
- Nationwide interdisciplinary centers
Mammography

1913: Albert Salomon. Inventor of Breast Radiology
1949: Raul Leborgne. Low Radiology Radiation
Mid 1950’s: Jacob Gershon-Cohen: First Screening
1969: Charles-Marie Gros: Senograph
SIS-International School of Senology

Learning from History
Charles-Marie Gros (1910-1984)

- Senology
- First Health Service for the Diagnosis and Treatment of Breast Diseases (1960)
- The Senograph (1969)
- SIS (1976)
YES, I DID HAVE MY MAMMOGRAM TODAY... WHY DO YOU ASK?
SIS

Active Members: 37

Honorary Members: 60

International Scientific Network: 464
SIS-International School of Senology

International Standard
For Breast Care
Thank you!!