



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

**Diagnostic And Treatment Of Patients
With Primary And Metastatic Breast Cancer**

Diagnostic and Treatment Of Patients With Primary And Metastatic Breast Cancer

Guidelines Of The AGO Breast Commission

Version 2007

**FORSCHEN
LEHREN
HEILEN**



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic and Treatment Of Patients With Primary And Metastatic Breast Cancer

Adjuvant Endocrine Therapy For Premenopausal Patients

Adjuvant Endocrine Therapy For Postmenopausal Patients

Adjuvant Chemotherapy

Primary Systemic Therapy

Breast Cancer Surgery

Plastic Reconstructive Aspects After Mastectomy

Precursor Lesions

Ductal Carcinoma In Situ

Adjuvant Radiotherapy

FOR
LEHREN
HEILEN



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic and Treatment Of Patients With Primary And Metastatic Breast Cancer

Pathology

Therapy Side Effects

Breast Cancer: Specific Situations

Supportive Care

Breast Cancer Follow-Up

Early Detection And Diagnosis

Breast Cancer Risk And Prevention

Loco-Regional Recurrence

FOR
LEHREN
HEILEN



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic and Treatment Of Patients With Primary And Metastatic Breast Cancer

Prognostic And Predictive Factors

Endocrine Therapy Of Metastatic Breast Cancer

Cytostatic Therapy of Metastatic Breast Cancer

Specific Sites Of Metastases

Bone Metastases

CNS Metastases in Breast Cancer

Targeted Treatment

Complementary Therapy & HRT & Survivorship

FOR
LEHREN
HEILEN



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic and Treatment Of Patients With Primary And Metastatic Breast Cancer

- **Members of The Breast Commission**
- **Conflict Of Interest**
- **Index & Registry**
- **Editor & Copyright**



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic And Treatment Of Patients With Primary And Metastatic Breast Cancer

Members Of The AGO Breast Commission

FORSCHEN
LEHREN
HEILEN



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Members Of The Breast Commission 1

- Dr. Ingo Bauerfeind, München
- Dr. Joachim Bischoff, Magdeburg
- Prof. Dr. Jens Uwe Blohmer, Berlin
- Dr. Klaus Brunnert, Osnabrück
- Prof. Dr. Dr. Serban D. Costa, Magdeburg
- Prof. Dr. Peter Dall, Lüneburg
- Prof. Dr. Ingo J. Diel, Mannheim
- PD Dr. Nikos Fersis, Heidelberg
- Prof. Dr. Michael Friedrich, Lübeck
- PD Dr. Kay Friedrichs, Hamburg
- Prof. Dr. Bernd Gerber, Rostock
- Prof. Dr. Uwe-Jochen Göhring, Bonn
- Prof. Dr. Volker Hanf, Fürth
- Prof. Dr. Nadia Harbeck, München
- Prof. Dr. Jens Huober, Tübingen
- Prof. Dr. Christian Jackisch, Offenbach
- Prof. Dr. Wolfgang Janni, München
- Prof. Dr. Walter Jonat, Kiel (DKH)
- Prof. Dr. Manfred Kaufmann, Frankfurt
- Prof. Dr. Hans-Joachim Lück, Wiesbaden
- Prof. Dr. Nicolai Maass, Kiel
- Prof. Dr. Volker Möbus, Frankfurt

FOR
LEHREN
HEILEN



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

FORSCHEN
LEHREN
HEILEN

Members Of The Breast Commission 2

- **Prof. Dr. Ulrike Nitz, Düsseldorf**
- **PD Dr. Carsten Oberhoff, Essen**
- **Dr. Mahdi Rezai, Düsseldorf**
- **Prof. Dr. Gerhard Schaller, Berlin**
- **Prof. Dr. Anton Scharl, Amberg**
- **Prof. Dr. Rita Schmutzler, Köln**
- **PD Dr. Andreas Schneeweiß,
Heidelberg (AIO)**
- **Prof. Dr. Ingrid Schreer, Kiel (DGS)**
- **Prof. Dr. H. Kreipe (DGP)**
- **Prof. Dr. Peter Sinn, Heidelberg
(Pathologie)**
- **Prof. Dr. Erich F. Solomayer, Tübingen**
- **PD Dr. Rainer Souchon, Hagen (ARO)**
- **Prof. Dr. Elmar Stickeler, Freiburg**
- **Prof. Dr. Christoph Thomssen, Halle**
- **Prof. Dr. Michael Untch, Berlin**
- **Prof. Dr. Gunter von Minckwitz, Neu-
Isenburg / Frankfurt**



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Previous Members Of The Breast Commission

- **Prof. Dr. Werner Audretsch, Düsseldorf**
- **Dr. Michael Böhme, Magdeburg**
- **Dr. Georg Heinrich, Fürstenwalde**
- **Dr. Björn Lisboa, Hamburg**

Potential Conflict of Interest COI

- **The members of the editing committee of these guidelines are specialists in diagnosis, treatment, and research in breast cancer. Most of the members therefore have cooperations with industry. Thus, potential conflict of interest cannot be excluded.**
- **In order to minimize potential bias within the statements we followed the pre-defined rules:**
 - **These guidelines are strictly based on available evidence from the scientific literature.**
 - **The chapters of each edition were prepared by annually alternating teams of authors.**
 - **Each statement and the correspondent AGO-recommendations were thoroughly discussed within the entire group and accepted by majority decisions.**
 - **Each member of the editing committee is required to submit a written declaration of his/her conflicts of interests to an elected internal COI committee on an annual basis.**
 - **Members who do not submit a COI declaration may not participate in the guideline preparation.**



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

Diagnostic And Treatment Of Patients With Primary And Metastatic Breast Cancer

Index & Registry

FORSCHEN
LEHREN
HEILEN

Index & Registry

A

- **AC**
- **AI**
- **Angioinvasion**
- **ALH**
- **Alternative Therapies**
- **Amifostin**
- **Anastrozole**
- **Anthrazyklines**
- **Aromatase Inhibitors**
- **Ascites**
- **Axillary recurrence**

B

- **BC and pregnancy**
- **Bendamustin**
- **Bevacizumab**
- **Biophosphonates**
- **Bone Marrow**
- **Bone Marrow Involvement**
- **Bone Metastasis**
- **BRCA**
- **Breast self-examination**
- **Breast reconstruction**

Index & Registry

C

- **Capecitabine**
- **Cardiotoxicity**
- **Chest-recurrence**
- **Circ tumor cells**
- **Clinical Examination**
- **CNS Metastasis**
- **Core-cut**
- **Comedo necrosis**
- **Complementary Therapy**

D-E

- **DAC**
- **DCIS**
- **Delayed**
- **Dose-dense**
- **E2**
- **EC**
- **Elderly Patient**
- **Erythropoiesis Stimulating Factors**
- **Exemestane**

Index & Registry

F

- **FAC/FEC**
- **Familial Breast Cancer**
- **Fastcut**
- **FEC-D**
- **FISH**
- **Flap-implant Combination**
- **Follow-Up**
- **Follow-Up Care**
- **Free Tissue Transfer**
- **FSH**
- **Fulvestrant**

G-H

- **G-CSF**
- **Gemcibatine**
- **GnRH (Chemo-Endocrine)**
- **GnRH (Adjuvant-Endocrine)**
- **Her2**
- **Her-2/neu (IHC)**
- **Her-2 Shed antigen**
- **High-Dose-Chemotherapy**
- **Hormone Replacement**
- **Hypercalcemia**

Index & Registry

I-L

- **Implant reconstruction**
- **Inflammatory Breast Cancer**
- **Intraarterial chemotherapy**
- **Intrathecal**
- **Lactation**
- **LCIS**
- **Leptomeningal Carcinomatosis**
- **Letrozole**
- **Liposomal**
- **Lobular Intraepithelial Neoplasia (LN)**
- **Loco-Regional Recurrence**

M-O

- **Male Patients**
- **Mammography**
- **Mastectomy (PST-Surgery)**
- **Menstrual Status**
- **Metastasectomy**
- **Microcalcifications**
- **Mistletoe**
- **MRI**
- **Neoadjuvant**
- **Neurosurgery**
- **Osteonecrosis**
- **Osteopenia**
- **Ovarectomy**

Index & Registry

P

- Pathology
- Pedicled flaps
- Pericardial Effusion
- PET
- Plastic
- Pleural Effusion
- Postmasectomy Radiotherapy
- Predictive Factors
- Primary Systemic Therapy
- Prophylactic bilateral salpingo-oophorectomy
- Prophylactic Masectomy
- Pscho-social Aspects

Q-R

- Radiotherapy (Adjuvant Endocrine)
- Radiotherapy (PST)
- Radiotherapy (PST-Surgery)
- Raloxifen
- Reconstructive
- Regional chemotherapy
- Renal Toxicity
- Rhenium

Index & Registry

S

- **Samarium**
- **Screening Mammography**
- **Secondary Malignancies**
- **Selen**
- **Sentinel node biopsy**
- **Skin Sparing Mastectomy (SSM)**
- **Soft Tissue Metastasis**
- **Sonography**
- **Spinal cord compression**
- **Sports**
- **Stereotactic radiosurgery**
- **Strontium**
- **Surveillance Programm**

T

- **Tamoxifen (Duration of Treatment)**
- **Targeted Treatment**
- **Taxan adjuvant**
- **Taxanes metastatic**
- **TCH**
- **Thermoablation**
- **Thymus**
- **Toxicity**
- **TRAM**
- **Trastuzumab**
- **Trastuzumab (Cytostatic Therapy)**

Index & Registry

U-Z

- **Ultrasound**
- **UPA / PAI-1**
- **Van Nuys Prognostic Index**
- **Vinorelbin**
- **Whole brain radiotherapy**
- **Young Patient**
- **Zinc**



© AGO e. V.
in der DGGG e.V.
sowie
in der DKG e.V.

Guidelines Breast
2007 Version 1.1

FORSCHEN
LEHREN
HEILEN

Editor & Copyright

Kommission „Mamma“ der Arbeitsgemeinschaft für gynäkologische Onkologie (AGO) www.ago-online.de

Address for correspondence:

Klinik und Poliklinik für Gynäkologie
Martin-Luther-Universität Halle-Wittenberg
Ernst-Grube-Str. 40
D- 06097 Halle (Saale), Germany
Tel.: +49 345 557 1847
Fax: + 49 345 557 1501
E-mail: christoph.thomssen@medizin.uni-halle.de