



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ Breast Center at Marien Hospital Cancer Center - MHDCC - Academic Hospital - Duesseldorf - Duesseldorf, Germany

### General Information



**New breast cancer cases treated per year** **435**

**Breast multidisciplinary team members** **11**

Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses

**Clinical Director:** **Werner Audretsch, MD**

Our service includes treatment and surgery for benign and malignant changes, congenital or acquired deformities and disorders of the male or female breast. The team of 4 dedicated specialized breast surgeons fulfill the qualification of the European certifications laid down by EUSOMA and UEMS. The staff qualifies for and ensures the most competent and specialized surgical service in terms of cure and cosmetic outcome, including high-tech intra-operative radiotherapy IOERT. Our purpose is a successful treatment result for patients suffering from breast diseases and cancer. All reconstructive, esthetical and repair procedures (secondary and tertiary surgery) are available. Our aim is an up-front high quality at the beginning of the surgical pathway. The breast center serves as breast surgical reference centre and screening referral unit. The ZEBRA CENTRE, a patient counseling unit, is associated. We offer a distinguished International Breast Surgery Fellowship and cross training in a team of excellence, according to EUSOMA guidelines. The coordinator of the fellowship is [jens-peter.kruse@vkkd-kliniken.de](mailto:jens-peter.kruse@vkkd-kliniken.de). We are certified by the German Cancer Society and German Society of Senology.

### **Breast Center at Marien Hospital Cancer Center - MHDCC - Academic Hospital - Duesseldorf**

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CERTIFICATION(S) ACCREDITATION(S)

**DKG Krebsgesellschaft**

Expiration date: 19 September 2018



Deutsche Krebsgesellschaft - Deutsche  
Gesellschaft für Senologie

This Centre has notified to be certified and, as such, been requested to upload the certification document for further information. When the certification document/s is/are provided, it is/they are made available hereafter.

Available services

- ✓ Radiology
- ✓ Breast Surgery
- ✓ Reconstructive/Plastic Surgery
- ✓ Pathology
- ✓ Medical Oncology
- ✓ Radiotherapy

- ✓ Nuclear Medicine
- ✓ Rehabilitation
- ✓ Genetic Counselling
- ✓ Data Management
- ✓ Psycho-oncology
- ✓ Breast Nurses

- ✓ Social Workers
- ✓ Nutritional Counselling
- ✓ Survivorship Groups
- ✓ Sexual Health Counselling
- ✓ Supportive and Palliative Care
- ✓ Integrative Medicine

Radiology

- ✓ **Dedicated Radiologists** 1
- ✓ **Mammograms per year** 60000
- ✓ **Breast radiographers**
- ✓ **Screening program**
- ✓ **Verification for non-palpable breast lesions on specimen**
- ✓ **Axillary US/US-guided FNAB**
- ✓ **Clinical Research**

**Available imaging equipment**

- ✓ Mammography
- ✓ Ultrasound
- ✓ Magnetic Resonance Imaging (MRI)
- ✓ Tomosynthesis

**Available work-up imaging equipment**

- ✓ Computer Tomography
- ✓ Ultrasound
- ✓ Magnetic Resonance Imaging (MRI)
- ✓ PET/CT scan

**Primary technique for localizing non-palpable lesions**

- ✓ Hook-wire (or needle localization)
- Charcoal marking/tattooing
- ROLL: radio-guided occult lesion localization

**Available breast tissue sampling equipment**

- ✓ Stereotactic Biopsy (Mammography guided)
  - ✓ Core Biopsy (Tru-cut)
  - ✓ Vacuum assisted biopsy
- ✓ Ultrasound-guided biopsy
  - ✓ Fine-needle aspiration biopsy (FNAB, cytology)
  - ✓ Core Biopsy
  - ✓ Vacuum assisted biopsy
- ✓ MRI-guided biopsy
  - ✓ Core Biopsy
  - ✓ Vacuum assisted biopsy

Breast Surgery

- ✓ **New operated cases per year (benign and malignant)** 600
- ✓ **Dedicated Breast Surgeons** 4
- ✓ **Surgeons with more than 50 surgeries per year** 4
- ✓ **Breast Surgery beds** 15
- ✓ **Breast Nurse specialists** 1
- ✓ **Outpatient surgery**
- ✓ **Intra-operative evaluation of sentinel node**
- ✓ **Reconstruction performed by Breast Surgeons**
- ✓ **Clinical Research**

**Primary technique for staging the axilla**

- Axillary lymph node dissection
- ✓ Sentinel lymph node biopsy:
  - Blue dye technique
  - ✓ Radio-tracer technique
  - Blue dye + Radio-tracer
- Axillary sampling

## Reconstructive/Plastic Surgery

**Reconstructive/Plastic surgeons** 1

**Immediate Reconstruction available**

### Type of breast reconstructive surgery available

- Remodelling after breast-conserving surgery
- Reconstruction after mastectomy:
  - Two-stage reconstruction (tissue expander followed by implant)
  - One-stage reconstruction
  - Autogenous tissue flap
    - Latissimus dorsi flap
    - Transverse rectus abdominis (TRAM)
    - Free-flaps (free TRAM, DIEP, SIEA, gluteal, etc.)
- Surgery on the contralateral breast for symmetry
- Oncoplastic Surgery and Esthetic Surgery

## Pathology

**Dedicated Breast Pathologists** 2

### Available studies

- Cytology
- Haematoxylin & eosin section (H&E)
  - Surgical specimen
  - Sentinel node
  - Core biopsy
- Frozen section (FS)
  - Surgical specimen
  - Sentinel node
- Immunohistochemistry stain (IHC)
  - Estrogen receptors
  - Progesterone receptors
  - HER-2
  - Ki-67

### Other special studies available

- Fluorescence in-situ Hybridization for HER-2 gene (FISH)
- Oncotype Dx (21-gene assay)
- MammaPrint (70-gene microarray)
- Prediction Analysis of Microarray 50-gene set (PAM 50)
- Cryo-Conservation

### Parameters included in the final pathology report

- Pathology stage (pT and pN)
- Tumour size (invasive component in mm)
- Histologic type
- Tumor grade
- ER/PR receptor status
- HER-2/neu receptor status
- Peritumoural/Lymphovascular invasion
- Margin status

## Medical Oncology

**Dedicated Breast Medical Oncologists** 2

**Outpatient systemic therapy**

**Clinical Research**

## Radiotherapy

**Dedicated Radiation Oncologists**

**Clinical Research**

**Available techniques after breast-conserving surgery (including experimental)**

Whole-Breast RT (WBRT)

Partial breast irradiation (PBI):

External beam PBI

Interstitial brachytherapy

Targeted brachytherapy (MammoSite, SAVI applicator, other devices)

Intra-operative RT (IORT)

## Multidisciplinary Meeting (MDM) / Tumour Board (TB)

**Regular MDM/TB for case management discussion**

Twice a week

Weekly

Every two weeks

Other Schedule

**Cases discussed at MDM/TB**

Preoperative cases

Postoperative cases

**Specialties/services participating in MDM/TB**

Radiology

Breast Surgery

Reconstructive/Plastic Surgery

Pathology

Medical Oncology

Radiotherapy

Genetic Counselling

Breast Nurse Service

Psycho-oncology

Members of the breast consulting center ZEBRA

## Further Services and Facilities

**Nuclear Medicine**

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

**Rehabilitation**

Prosthesis service

Physiotherapy

Lymph-oedema treatment

ZEBRA center: patient counseling and teaching center (according to Eusoma Guidelines)

**Genetic Counselling**

Specialist Providing Genetic Counselling/Risk assessment service:

Dedicated Clinical Geneticist

Medical Oncologist

Breast Surgeon

General Surgeon

Gynaecologist

German Consulting Network for Breast and Ovaries

Genetic Testing available

Surveillance program for high-risk women

**Data Management**

Database used for clinical information

Data manager available

## Contact details

## Clinical Director

Werner Audretsch, MD	Director Department of Senology and Breast Surgery audretsch@brustzentrum-duesseldorf.de	+4921144002761
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## Radiology

Stefan Diederich, MD	Director of Rad. and Nuclear Medicine Institute	
Eckhard Wegjan	Head Radiologist in charge of Screening Network Info@roentgeninstitut.de	+492114966500

## Breast Surgery

Werner Audretsch, MD	Director of Senology and Breast Surgery Dpt. audretsch@brustzentrum-duesseldorf.de	+491737145480
Oksana Moeller, MD	Breast Oncologic and Reconstructive Surgeon, Russian language oksana.moeller@vkkd-kliniken.de	+491722572296
Jens-Peter Kruse	Breast Surgeon - Coordinator of tumor board and Int. Fellowship jens-peter.kruse@vkkd-kliniken.de	+491722572296
Serap-Sare Ünyeli	Breast Surgeon, English and Turkish language Serap.uenely@vkkd-kliniken.de	+4921144006451

## Reconstructive Surgery

Oksana Moeller, MD	Ocoplastic and Reconstructive Surgeon oksana.moeller@vkkd-kliniken.de	+491727893491
Simone Hellmann, MD	Plastic and Reconstructive Surgeon	

## Pathology

Bernd Klosterhalfen, MD	Breast Pathologist bernd.klosterhalfen@web.de	+492421300
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## Medical Oncology

Aristoteles Giagounidis, MD	Director of the Department of Hematooncology aristoteles.giagounidis@vkkd-kliniken.de	+4921144002501
Marie Luise Plingen, MD	Oncologic Outpatient Clinic at MHD	+4921136777780

## Radiotherapy

Karl-Axel Hartmann, MD	Director of Radiotherapy and Radiooncology Dpt.	
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## How to reach us



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#### **From airport:**

Duesseldorf International Airport (Taxi 15 min).

#### **By train:**

Düsseldorf Main Station (Bus, Train and Taxi 15 min).

#### **By bus or sub-way/underground:**

707 from the Main Station.

#### **By car:**

[www.marien-hospital.de](http://www.marien-hospital.de)

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