



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Rotkreuzklinikum-Frauenklinik Lehrkrankenhaus der TU Muenchen - Munich, Germany

General Information



New breast cancer cases treated per year **570**

Breast multidisciplinary team members **16**

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

Clinical Director: **Wolfgang Eiermann**

The Breast Center in the Dept. of Gynecology, Red Cross Hospital, is one of the largest institutions of its kind in Germany. A team of experts from different specialities offers the whole spectrum of treatment available today for malignant and benign breast care. The patients receive an individualised treatment plan. All cases are discussed daily both pre- and post-operatively in multi-disciplinary case management meetings and an interdisciplinary forum including radiologists, radiographers, gynecological surgeons, oncologists and pathologists meets weekly to discuss the individual cases including recommendations for therapy before the patient is advised. Physiotherapy, psychological support, genetic counselling and care of advanced malignancy including palliative care are available. The Red Cross Breast Center in Munich maintains international acclaim through continuous research and participation in large international therapy studies and protocols as Principle- an Co-Investigators. The high standards of Eusoma Centres in Europe are all met in this Center, including the participation in quality assurance schemes with audit.

Rotkreuzklinikum-Frauenklinik Lehrkrankenhaus der TU Muenchen

Taxisstrasse 3

80637 Munich, Germany

Phone: +498915706620

Fax: +498915706623

E-mail: wolfgang.eiermann@swmbrk.de

Web-site: www.frauenklinik-muenchen.de

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** 3
- Mammograms per year** 8500
- 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)

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)** 795
- Dedicated Breast Surgeons** 5
- Surgeons with more than 50 surgeries per year** 5
- Breast Surgery beds** 96
- Breast Nurse specialists** 2
- 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 2

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

Pathology

Dedicated Breast Pathologists 3

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)

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

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

Genetic Counselling

Specialist Providing Genetic Counselling/Risk assessment service:

Dedicated Clinical Geneticist

Medical Oncologist

Breast Surgeon

General Surgeon

Gynaecologist

Genetic Testing available

Surveillance program for high-risk women

Data Management

Database used for clinical information

Data manager available

Contact details

Clinical Director

Wolfgang Eiermann Director of the Hospital wolfgang.eiermann@swmbrk.de +498915706620

Radiology

Dieter Scheich Radiologist dieter.scheich@swmbrk.de +49891570640

Beate Jauernig Radiologist

Breast Surgery

Wolfgang Eiermann Director of the Hospital wolfgang.eiermann@swmbrk.de +498915706620

Beyhan Ataseven Surgeon beyhan.ataseven@swmbrk.de

Reconstructive Surgery

Wolfgang Eiermann wolfgang.eiermann@swmbrk.de

Jürgen Schaff

Beyhan Ataseven beyhan.ataseven@swmbrk.de

Pathology

Bernhard Hoegel Pathologist wolfgang.eiermann@swmbrk.de +498913032800

Clemens Becker Pathologist

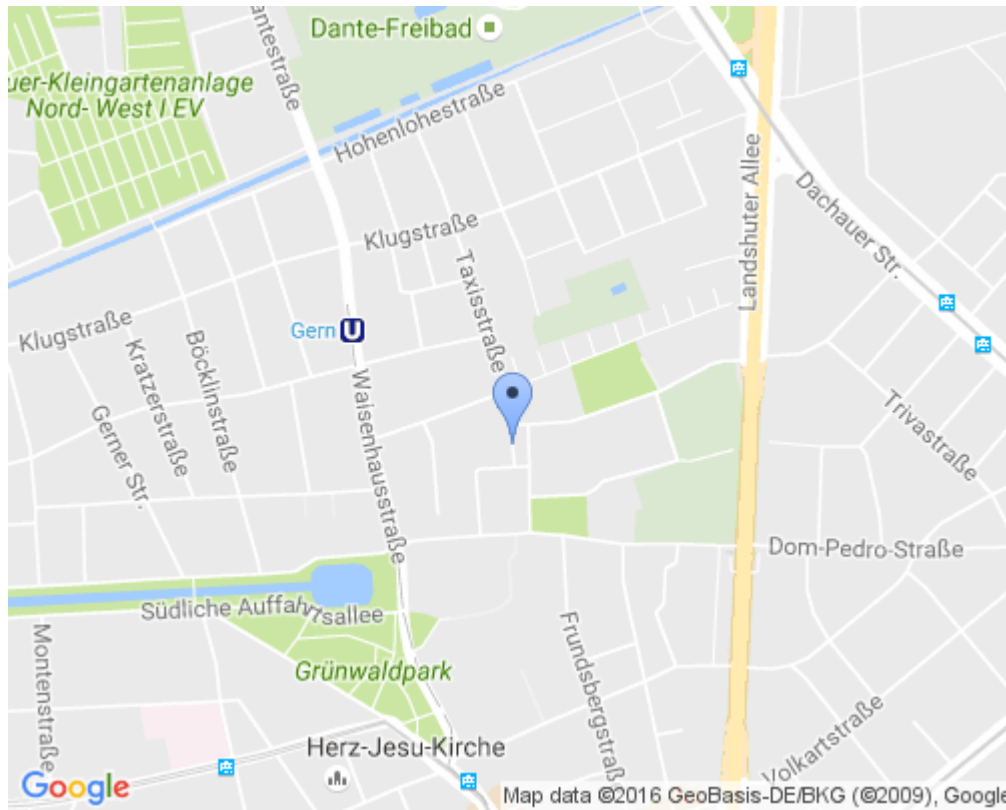
Medical Oncology

Petrer Bojko Medical Oncologist info@onkologie-elisenhof.de

Radiotherapy

Michael Molls Director of Radiotherapy Dpt. linik-fuer-strahlentherapie@lrz.tu-muenchen.de +498941404500

How to reach us



Rotkreuzklinikum-Frauenklinik Lehrkrankenhaus der TU Muenchen

Taxisstrasse 3

80637 Munich, Germany

Phone: +498915706620

Fax: +498915706623

E-mail: wolfgang.eiermann@swmbrk.de

Web-site: www.frauenklinik-muenchen.de

From airport:

Nymphenburg-Gern.

By bus or sub-way/underground:

U2 to station GERN.

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