



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Universitaets-Brustzentrum Franken (UBF) - Frauenklinik at Universitaetsklinikum Erlangen - Erlangen, Germany

General Information



New breast cancer cases treated per year **500**

Breast multidisciplinary team members **18**

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

Clinical Director: **M. W. Beckmann, MD, PhD**

The Department of Gynaecology, part of the University Hospital of Erlangen and the CCC Erlangen-EMN, is a nationwide centre of health care. The Department of Gynaecology is certified by the European Board and College of Obstetrics and Gynaecology (EBCOG) and the European Society of Gynaecological Oncology (ESGO). The first certified centre of the University Hospital Erlangen was the University Breast Centre of Franconia which was certified by the German Cancer Society and the German Society of Senology, in accordance with DIN/EN/ISO in 2004. One year later, the Breast Centre was certified by the European Society of Mastology (EUSOMA). The high professional quality requirements are achieved by a specialized team of physicians, breast care nurses, study nurses, social services, psychologists, physiotherapist and more than 200 gynaecologists and general practitioners in the outpatient setting. The main objective of the University Breast Centre of Franconia is quality improvement of oncological care, regional and nationwide. This is achieved by intensive interdisciplinary communication, focusing of expertise and participation in numerous national and international studies.

Universitaets-Brustzentrum Franken (UBF) - Frauenklinik at Universitaetsklinikum Erlangen

Universitaetsstrasse 21-23

91054 Erlangen,

Phone: +4991318533451

Fax: +4991318533456

E-mail: michael.lux@uk-erlangen.de

Web-site: www.brustzentrum.ek-erlangen.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** 15000
- 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)
- Breasttomography, 3D ultrasound

Available work-up imaging equipment

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT scan
- Breasttomography, 3D ultrasound

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)** 1500
- Dedicated Breast Surgeons** 5
- Surgeons with more than 50 surgeries per year** 5
- Breast Surgery beds** 22
- Breast Nurse specialists** 3
- 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 3

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 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)

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 4

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

Study Nurses

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

M. W. Beckmann, MD, PhD Director of the University Breast Centre Franconia direktion@uk-erlangen.de +4991318533451

Radiology

Rüdiger Schulz-Wendtland, MD, PhD Assistant Medical Director

Breast Surgery

Michael P. Lux, MD, PhD Head of the University-Breast Center of Franconia michael.lux@uk-erlangen.de +4991318533553

Reconstructive Surgery

R. E. Horch, MD, PhD Head of Reconstructive Surgery Dpt.

Pathology

Arndt Hartmann, MD, PhD Head of Pathology Dpt.

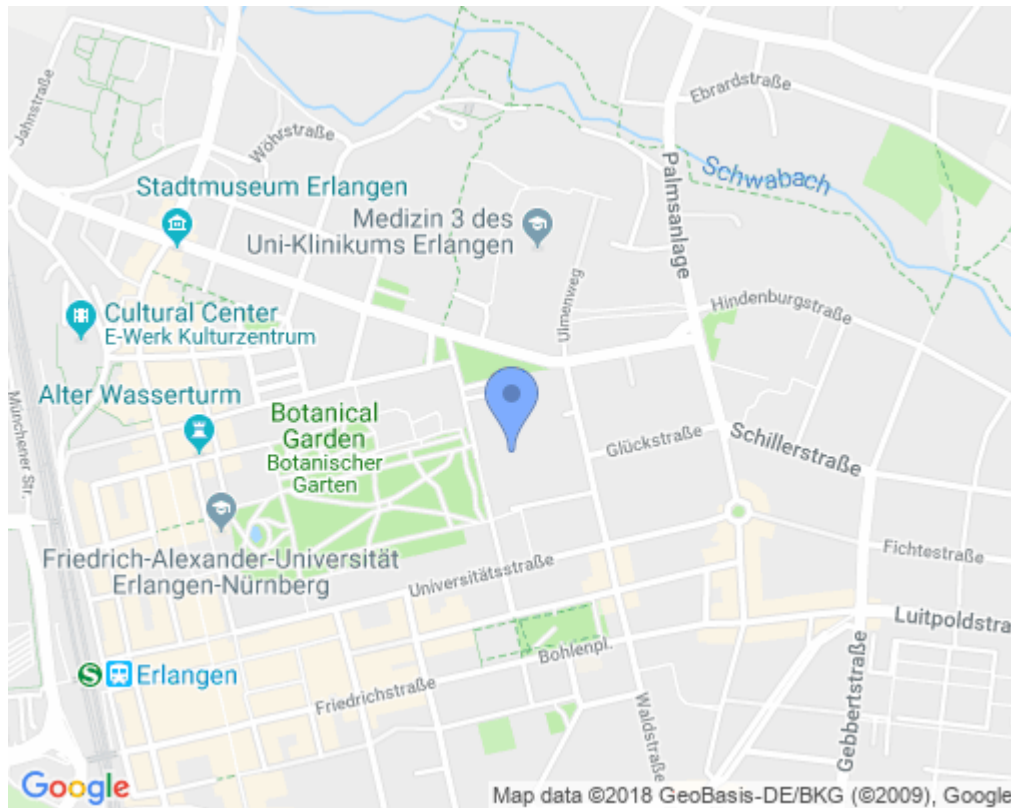
Medical Oncology

Michael Patrick Lux, MBA, MD, PhD Senior Physician michael.lux@uk-erlangen.de +4991318533553

Radiotherapy

Vratislav Strnad, MD, PhD Senior Physician

How to reach us



Universitaets-Brustzentrum Franken (UBF) - Frauenklinik at Universitaetsklinikum Erlangen

Universitaetsstrasse 21-23

91054 Erlangen,

Phone: +4991318533451

Fax: +4991318533456

E-mail: michael.lux@uk-erlangen.de

Web-site: www.brustzentrum.ek-erlangen.de

From airport:

From Airport Nuernberg approximately 20 minutes with a taxi

By train:

From the train stations the center is approximately 800 meters East.

By bus or sub-way/underground:

Line 493.

Last modified: 11 February 2016