



BREAST CENTRES NETWORK

Synergy among Breast Units

★ Brustkompetenz Zentrum AKH-LFKK Linz - Linz, Austria

General Information



New breast cancer cases treated per year **242**

Breast multidisciplinary team members **15**

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

Clinical Director: **Peter Schrenk, MD**

The breast center (Brustkompetenz Zentrum AKH-LFKK Linz) was opened in 2007 and combines all disciplines necessary for diagnosis and treatment of breast cancer, as well as plastic and reconstructive breast surgery (breast surgery, radiology, psychology, radiology) on 825 m². The breast center regularly organizes surgical workshops (oncoplastic surgery, cosmetic breast surgery, reconstructive breast surgery), radiology meetings and pathology workshops. The breast center has specialized in oncoplastic breast surgery and reconstructive breast surgery and is certified by OnkoZert (German Cancer Society) and ISO 2001.

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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** 2
- ✓ **Mammograms per year** 6000
- ✓ **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
- ✓ bone scan scintigraphy

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)** 378
- ✓ **Dedicated Breast Surgeons** 3
- ✓ **Surgeons with more than 50 surgeries per year** 2
- ✓ **Breast Surgery beds** 15
- ✓ **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
- ☒ oncoplastic breast surgery, lipofilling

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
- ☒ Ki67, Sentinel node 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

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

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Radiotherapy

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From airport:

Highway downtown, follow sign to AKH Linz.

By train:

Main train station Linz, use bus to AKH.

By bus or sub-way/underground:

Bus #45, #46 to AKH.

By car:

Downtown Linz, follow signs to AKH Linz, Klinikzentrum.

Last modified: 18 January 2012