



Breast Centres Network

Synergy among Breast Units

Breast Centres Network is a joint project of



★ University Hospital Berne - Berne, Switzerland

General Information



New breast cancer cases treated per year **155**

Breast multidisciplinary team members **10**

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

Clinical Director: **Andreas Günthert, MD**

The Breast and Gynaecological Cancer Unit (Brust- und Tumorzentrum) is part of the University Hospital of Berne (Inselspital). The unit functions in the framework of a large university teaching hospital and is involved in translational and clinical research. It is located in the Women's Hospital (Frauenklinik) where the senology, diagnostic imaging and medical oncology units are in close geographic and organizational relationship. The Breast and Gynaecological Cancer Unit has been founded in 2004 as an institution for the interdisciplinary diagnosis and therapy of breast and gynaecological cancers.

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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** _____ 1
- Mammograms per year** _____ 10000
- 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)** 188
- Dedicated Breast Surgeons** _____ 2
- Surgeons with more than 50 surgeries per year** _____ 1
- Breast Surgery beds** _____ 5
- 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** 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

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)
- ✓ Recurrence score estab. in Bern

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

Data Manager

Further Services and Facilities

Nuclear Medicine

Lymphoscintigraphy

Bone scan

Positron Emission Tomography (PET)

PET/CT scan

Rehabilitation

Prosthesis service

Physiotherapy

Lymph-oedema treatment

Breast care nurse counseling

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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Radiology

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Reconstructive Surgery

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Pathology

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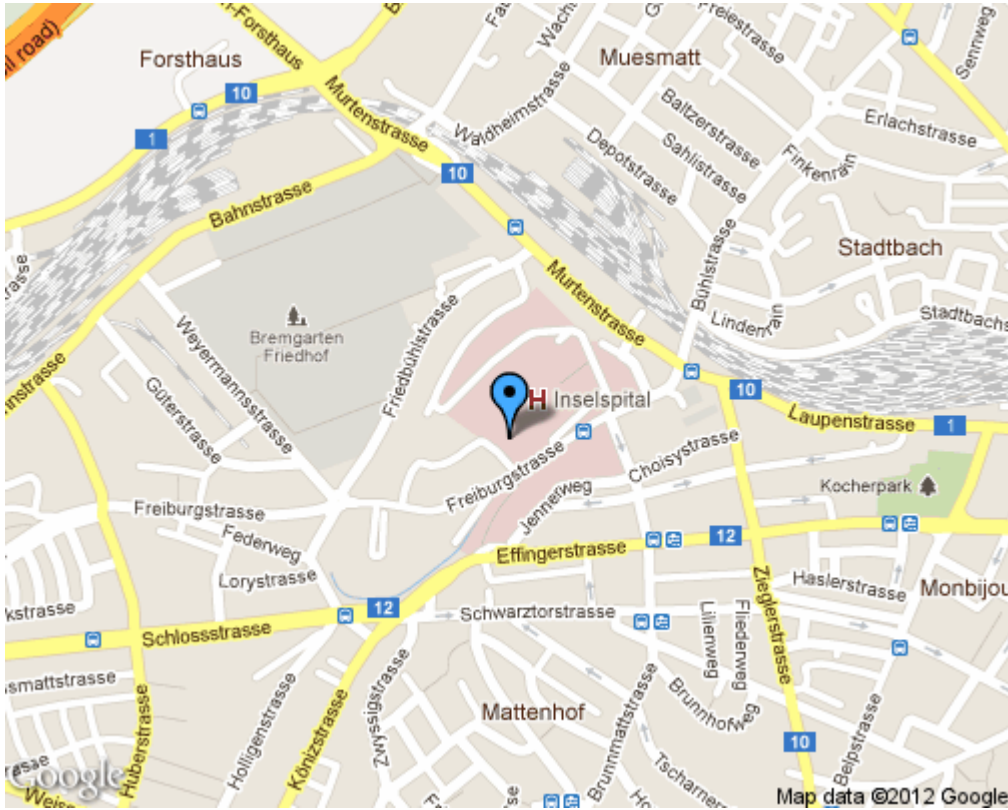
Medical Oncology

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Radiotherapy

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How to reach us



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From airport:

From Zurich (ZRH) or Geneva (GVA) direct trains run every 30 to 60 minutes to Berne.

By train:

The Swiss rail network SBB has a major hub in Berne so that Berne can be reached easily by train from any Swiss city and from major European cities.

By bus or sub-way/underground:

At Bern train station take the bus line 11 in 'Bremgartenfriedhof' direction. Exit at Inselspital, cross the main road and walk to the Frauenspital. Alternatively, take the buses #13, #14, or #17, exit at Brunnhof, continue 100 m in the same direction to the entrance of the 'Frauenspital'.