Medical University Innsbruck, Dept. of Gynecology and Obstetrics - Innsbruck, Austria

General Information

<table>
<thead>
<tr>
<th>New breast cancer cases treated per year</th>
<th>326</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast multidisciplinarity team members</td>
<td>17</td>
</tr>
<tr>
<td>Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses</td>
<td></td>
</tr>
</tbody>
</table>

Clinical Director: Christian Marth, MD

The Brustgesundheitzentrum Tirol (Breast Health Center Tyrol) provides comprehensive multidisciplinary care to breast cancer patients in western Austria. It is located in the Medical University Hospital Innsbruck. Our team members work has a multidisciplinary unit to provide optimal care. The core team includes breast surgeons, gynecologic oncologists, geneticists, pathologists, psychooncologists, reconstructive surgeons, radiation oncologists, and radiologists. The Breast Cancer Center is certified by the „Österreichische Zertifizierungskommission“. Guideline-oriented diagnostics and treatments according to the latest scientific guidelines, continuing quality controls and promotion of education and research are the main targets of the Breast Health Center Tyrol (Brustgesundheitzentrum Tirol). Important research areas are issued concerning patient’s quality of life and side effects of cancer treatment, oncoplastic and reconstructive surgery, as well as multiple projects in the field of molecular cancer biology. Supportive services such as gynecologic and endocrinological care, physical therapy, psychosocial support and exercise programs are provided.

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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

<table>
<thead>
<tr>
<th>Radiology</th>
<th>Nuclear Medicine</th>
<th>Social Workers</th>
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<tbody>
<tr>
<td>Breast Surgery</td>
<td>Rehabilitation</td>
<td>Nutritional Counselling</td>
</tr>
<tr>
<td>Reconstructive/Plastic Surgery</td>
<td>Genetic Counselling</td>
<td>Survivorship Groups</td>
</tr>
<tr>
<td>Pathology</td>
<td>Data Management</td>
<td>Sexual Health Counselling</td>
</tr>
<tr>
<td>Medical Oncology</td>
<td>Psycho-oncology</td>
<td>Supportive and Palliative Care</td>
</tr>
<tr>
<td>Radiotherapy</td>
<td>Breast-ology</td>
<td>Integrative Medicine</td>
</tr>
</tbody>
</table>

### Radiology

- **Dedicated Radiologists**: 4
- **Mammograms per year**: 8000
- **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)**
- **Contrast Mammography, Tomosynthesis**

#### Available work-up imaging equipment

- **Computer Tomography**
- **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)**: 400
- **Dedicated Breast Surgeons**: 5
- **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

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)
- Endo Predict

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, RCB-Score after NST

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**

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**Radiology**

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**Breast Surgery**

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<tr>
<td>Daniel Egle, MD</td>
<td>Team Leader of the Breast Unit</td>
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<tr>
<td>Thomas Bauer, MD</td>
<td>Team Leader of the Breast Reconstructive Unit</td>
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<tr>
<td>Afschin Soleiman, MD</td>
<td>Head of Pathology Lab</td>
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**Medical Oncology**

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<tr>
<td>Walpurga Weyrer, MD</td>
<td>Medical Oncologist</td>
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**Radiotherapy**

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<tr>
<td>Andrea Posch, MD</td>
<td>Radio-Oncologist</td>
<td><a href="mailto:andrea-posch@tirol-kliniken.at">andrea-posch@tirol-kliniken.at</a></td>
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<tr>
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How to reach us

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From airport:
The breast unit is located in the Medical University Hospital in the center of Innsbruck, Austria. Transporation from Innsbruck airport to the breast unit takes 10 minutes.

By train:
Innsbruck train station is in walking distance to the breast unit.

By bus or sub-way/underground:
Breast Cancer Center is easily reachable through the public transportation system of Innsbruck.

By car:
As the university hospital is in the city center, it is advised to park the car in a closely located garage.

Last modified: 12 November 2018