The Klinikum Südstadt Rostock is a teaching hospital of the University of Rostock serving a population of 350,000 people in the Rostock area, North East Germany. Since unification of the women's hospitals in Rostock, the Department of Obstetrics and Gynecology of Rostock University is located at the Klinikum Südstadt. The hospital comprises 450 beds, a radiotherapy department on the campus and outpatient clinics. The breast unit is part of the Department of Obstetrics and Gynecology. All kind of breast surgery is offered and more than 300 primary breast carcinomas are diagnosed and treated per year.

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Web-site: www.kliniksued-rostock.de
### Available services

- **Radiology**
  - Dedicated Radiologists: 2
  - Mammograms per year: 10000
  - Breast radiographers
  - Screening program
  - Verification for non-palpable breast lesions on specimen
  - Axillary US/US-guided FNAB
  - Clinical Research

<table>
<thead>
<tr>
<th>Available imaging equipment</th>
<th>Available breast tissue sampling equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammography</td>
<td>Stereotactic Biopsy (Mammography guided)</td>
</tr>
<tr>
<td>Ultrasound</td>
<td>Core Biopsy (Tru-cut)</td>
</tr>
<tr>
<td>Magnetic Resonance Imaging (MRI)</td>
<td>Vacuum assisted biopsy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary technique for localizing non-palpable lesions</th>
<th>Available technique for staging the axilla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hook-wire (or needle localization)</td>
<td>Axillary lymph node dissection</td>
</tr>
<tr>
<td>Charcoal marking/tattooing</td>
<td>Sentinel lymph node biopsy:</td>
</tr>
<tr>
<td>ROLL: radio-guided occult lesion localization</td>
<td>Blue dye technique</td>
</tr>
</tbody>
</table>

### Breast Surgery

- New operated cases per year (benign and malignant): 600
- Dedicated Breast Surgeons: 4
- Surgeons with more than 50 surgeries per year: 3
- Breast Surgery beds: 20
- Breast Nurse specialists: 2
- Intra-operative evaluation of sentinel node
- Reconstruction performed by Breast Surgeons
- Clinical Research

<table>
<thead>
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<th>Primary technique for staging the axilla</th>
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<td>Axillary lymph node dissection</td>
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<td>Sentinel lymph node biopsy:</td>
</tr>
<tr>
<td>Blue dye technique</td>
</tr>
<tr>
<td>Radio-tracer technique</td>
</tr>
<tr>
<td>Blue dye + Radio-tracer</td>
</tr>
<tr>
<td>Axillary sampling</td>
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</tbody>
</table>
**Reconstructive/Plastic Surgery**

- **Reconstructive/Plastic surgeons**
- **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**

**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
- Ki-67

**Medical Oncology**

- **Dedicated Breast Medical Oncologists**
- **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
  - ☑ in cooperation
- ☑ Genetic Testing available
- ☑ Surveillance program for high-risk women

#### Data Management

- ☑ Database used for clinical information
- ☑ Data manager available
# Contact details

## Clinical Director

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email</th>
<th>Phone</th>
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</thead>
<tbody>
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## Radiology

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<th>Name</th>
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<tbody>
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## Breast Surgery

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## Reconstructive Surgery

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<tr>
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## Medical Oncology

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## Radiotherapy

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<tr>
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From airport:
From Hamburg or Berlin airports train transfers are available.

By train:
Shuttle service to Rostock Central station from surrounding area available every 1-2 hours.

By bus or sub-way/underground:
Tram line No. 6 from Central station stops at Klinikum Sued.

By car:
Motorway No. 19 or 20; exit at Rostock-Suedstadt.

Last modified: 16 December 2010