



BREAST CENTRES NETWORK

Synergy among Breast Units

Jules Bordet Institute - Brussels, Belgium

General Information



New breast cancer cases treated per year 700

Breast multidisciplinary team members 24

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

Clinical Director: Jean-Marie Nogaret

The first real breast clinic was created at the Jules Bordet Institute in 1986. Our multidisciplinary breast team at is dedicated to clinical management and research in the area of breast cancer. A full diagnostic unit (radiology including MRI, pathology) allows the diagnosis. Patients are treated by an effective multidisciplinary team familiar with all the leading treatments: there is close co-operation among the specialists working in the Screening, Surgery, Radiotherapy, Chemotherapy, Nuclear Medicine, Rehabilitation and Anatomopathology services.

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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** 5
- Mammograms per year** 7000
- 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)
- Magnetic Resonance Quantitative Spectroscopy, etc

Available work-up imaging equipment

- Computer Tomography
- Ultrasound
- Magnetic Resonance Imaging (MRI)
- PET/CT scan
- Whole Body MR

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)** 650
- Dedicated Breast Surgeons** 5
- Surgeons with more than 50 surgeries per year** 5
- Breast Surgery beds** 22
- 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 4

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
- DIEP

Pathology

Dedicated Breast Pathologists 3

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)
- Genomic Grade (GGI) micromet.RTPCR(sentinel node)

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
- RCB (Residual Cancer Burden)

Medical Oncology

Dedicated Breast Medical Oncologists 8

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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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 Brussels International Airport (Zaventem), take the train to the South Station ('Gare du Midi'), then go to the Institute either onfoot or by subway.

By train:

From Gare du Midi Station: take the subway nr.2, get off at station Hôtel des Monnaies. From Leopold quarter (station Luxembourg): take bus 27 and get off in Haute street or Blaes street.

By bus or sub-way/underground:

Line nr. 2: Get out at the station Hôtel des Monnaies, follow directions to Bordet Institute in the counters hall of the subway station. TRAM: 23 – 55 – 90 (Get off at station Porte de Hal); 18 – 52 – 56 – 81 – 82 (transit with Line nr. 2 Subway station Gare du Midi. Get off at Porte de Hal); BUS De Lijn or Tec: R – R – W – O – V (Get off at station Porte de Hal); BUS STIB: 27 – 48 (Get off at street Haute or street Blaes)

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