Jules Bordet Institute - Brussels, Belgium

General Information

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<tr>
<td><strong>New breast cancer cases treated per year</strong></td>
<td>700</td>
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<td><strong>Breast multidisciplinarity team members</strong></td>
<td>24</td>
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<td>Radiologists, surgeons, pathologists, medical oncologists, radiotherapists and nurses</td>
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<tr>
<td><strong>Clinical Director:</strong></td>
<td>Jean-Marie Nogaret</td>
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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.

**Jules Bordet Institute**

Boulevard de Waterloo 121  
1000 Brussels, Belgium  
Phone: +3225413111  
Fax: +3225413506  
E-mail: nadia.diamant@bordet.be  
Web-site: www.bordet.be
## 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**
- **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
✔ 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

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
✔ 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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<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
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<tr>
<td>Jean-Marie Nogaret</td>
<td>Head of the Breast Unit</td>
<td><a href="mailto:jean-marie.nogaret@bordet.be">jean-marie.nogaret@bordet.be</a></td>
<td>+3225413110</td>
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### Radiology

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<tr>
<td>Magali Radermecker</td>
<td>Head of the Senology Unit</td>
<td><a href="mailto:magali.radermecker@bordet.be">magali.radermecker@bordet.be</a></td>
<td>+3225413268</td>
</tr>
<tr>
<td>André Grivegnee</td>
<td>Head of Screening Dpt.</td>
<td><a href="mailto:agrive@bordet.be">agrive@bordet.be</a></td>
<td>+3225413052</td>
</tr>
<tr>
<td>Marc Lemort</td>
<td>Head of Radiology Dpt. and MRI</td>
<td><a href="mailto:marc.lemort@bordet.be">marc.lemort@bordet.be</a></td>
<td>+3225413250</td>
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### Breast Surgery

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<tr>
<td>Jean-Marie Nogaret</td>
<td>Head of Breast Clinic &amp; Breast and Gyn Surg. Dpt.</td>
<td><a href="mailto:jean-marie.nogaret@bordet.be">jean-marie.nogaret@bordet.be</a></td>
<td>+3225413110</td>
</tr>
<tr>
<td>Frederic Urbain</td>
<td>Head of Reconstructive and Plastic Surgery Dpt.</td>
<td><a href="mailto:frederic.urbain@bordet.be">frederic.urbain@bordet.be</a></td>
<td>+3225413275</td>
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<td>Head of Reconstructive and Plastic Surgery Dpt.</td>
<td><a href="mailto:frederic.urbain@bordet.be">frederic.urbain@bordet.be</a></td>
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<tr>
<td>Denis Larsimont</td>
<td>Head of Pathology Dpt.</td>
<td><a href="mailto:denis.larsimont@bordet.be">denis.larsimont@bordet.be</a></td>
<td>+3225413101</td>
</tr>
<tr>
<td>Roberto Salgado</td>
<td>Assistant to the Head of Pathology Dpt.</td>
<td><a href="mailto:roberto.salgado@bordet.be">roberto.salgado@bordet.be</a></td>
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### Medical Oncology

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<tr>
<td>Ahmad Awada, MD, PhD</td>
<td>Head of Medical Oncology Dpt.</td>
<td><a href="mailto:ahmad.awada@bordet.be">ahmad.awada@bordet.be</a></td>
<td>+3225413189</td>
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### Radiotherapy

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<tr>
<td>Catherine Philippson</td>
<td>Radiotherapy dpt.</td>
<td><a href="mailto:catherine.philippson@bordet.be">catherine.philippson@bordet.be</a></td>
<td>+3225413830</td>
</tr>
<tr>
<td>Paul Van Houtte</td>
<td>Head of Radiotherapy Dpt.</td>
<td><a href="mailto:paul.vanhoutte@bordet.be">paul.vanhoutte@bordet.be</a></td>
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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 subway/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)

Last modified: 21 June 2010