



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ Jessa Hospital - Hasselt, Belgium

### General Information



**New breast cancer cases treated per year** 345

**Breast multidisciplinary team members** 19

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

**Clinical Director:** [Guy Orye, MD](#)

Our breast unit is located in the centre of a very nice city, Hasselt (Belgium). Our activity started in 1995, and in 2013 we treated more than 450 malignant breast lesions. We have a multidisciplinary approach (gynaecology, radiotherapy, radiology, oncology, plastic surgery, anatomopathology, breast nurses, psychology...) from the very beginning and every Thursday there is a multidisciplinary meeting. We work together with 3 surrounding hospitals, that direct their breast patients to our multidisciplinary staff and their pelvic oncology patients to our centre. We meet all the EUSOMA requirements. The Jessa Hospital is a teaching hospital, with multiple residents participating in our breast unit.

### Jessa Hospital

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Web-site: [www.jessazh.be/deelwebsites/Borstcentrum](http://www.jessazh.be/deelwebsites/Borstcentrum)

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** 6
- Mammograms per year** 6400
- 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)** 345
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 3
- Breast Surgery beds** 12
- 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** 2
- ✓ **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** 4

**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

**Medical Oncology**

- ✓ **Dedicated Breast Medical Oncologists** 3
- ✓ **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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Edith Bleus, MD	Radiologist	<a href="mailto:edith.bleus@jessazh.be">edith.bleus@jessazh.be</a>	
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## Breast Surgery

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Sophie Marquette, MD	Gynaecological Oncologist	<a href="mailto:sophie.marquette@jessazh.be">sophie.marquette@jessazh.be</a>	+3211308111
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## Reconstructive Surgery

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Thomas Muyldermans, MD	Plastic Surgeon	<a href="mailto:thomas.muyldermans@jessazh.be">thomas.muyldermans@jessazh.be</a>	+3211308111
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## Pathology

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## Medical Oncology

Jeroen Mebis, MD, PhD			+3211309960
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## Radiotherapy

Paul Bulens, MD	Head of Radiotherapy Dpt.		+3211309960
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How to reach us



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**From airport:**

From Brussels airport to Hasselt it is approximately 80km. Follow the signs to Hasselt centre.

**By train:**

From Hasselt train station there are buses to Jessa Hospital.

**By bus or sub-way/underground:**

Bus stop in front of the hospital.

**By car:**

Stadsomvaart 11, 3500 Hasselt, Belgium.

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