



# BREAST CENTRES NETWORK

Synergy among Breast Units

## Maria Sklodowska-Curie Memorial Institute of Oncology - Kraków, Poland

### General Information



**New breast cancer cases treated per year** **350**

**Breast multidisciplinary team members** **21**

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

Maria Skłodowska-Curie Memorial Institute of Oncology in Kraków, Poland, was established in 1951. Since then the care for breast cancer patients was one of the main areas of activity of our institution. Today Cancer Center in Kraków offers multidisciplinary and up-to-date approach to breast cancer.

### **Maria Skłodowska-Curie Memorial Institute of Oncology**

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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** 4
- Mammograms per year** 6000
- 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)** 650
- Dedicated Breast Surgeons** 8
- Surgeons with more than 50 surgeries per year** 6
- Breast Surgery beds** 25
- Breast Nurse specialists**
- 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

This department/service is not available.

## 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)

### 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** \_\_\_\_\_ 5

**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)

No MDM/TB for case management discussion.

## 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

### Radiology

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### Breast Surgery

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### Pathology

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### Medical Oncology

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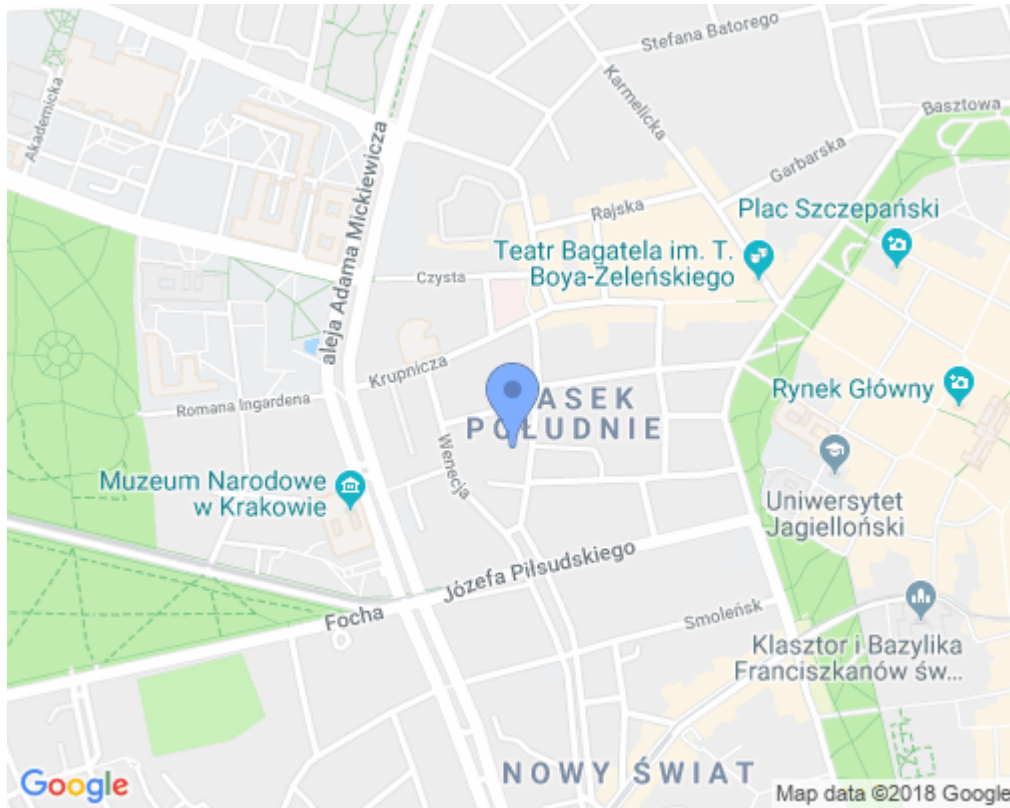
### Radiotherapy

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How to reach us



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**From airport:**

By shuttle train from Balice Airport to the Main Railway Station, and then by local municipal transportation system (see: [www.mpk.krakow.pl/en/](http://www.mpk.krakow.pl/en/)) or walking (20 minutes). By taxi directly to the Cancer Center.

**By train:**

To the Main Railway Station, then by local municipal transportation system (see: [www.mpk.krakow.pl/en/](http://www.mpk.krakow.pl/en/)).

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

By local municipal transportation system (see: [www.mpk.krakow.pl/en/](http://www.mpk.krakow.pl/en/)).

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