



BREAST CENTRES NETWORK

Synergy among Breast Units

University Clinical Center Banja Luka, Breast Center - Banja Luka, Bosnia and Herzegovina

General Information



New breast cancer cases treated per year **183**

Breast multidisciplinary team members **23**

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

Clinical Director: **Vlado Đajic, PhD**

The Breast Unit was established on 1st February 2009 with the main purpose and reason to improve the results related to diagnosis and treatment of breast cancer and apply modern principles of oncoplastic surgery during treatment of breast cancer. Oncoplastic surgery implies conservative breast surgery with the determination of sentinel lymph node, wire-guided localization mark of breast non-palpable lesion, as well as primary and secondary reconstruction of the breast after mastectomy. Also, during 2021. two new procedure was established, SLNB by using magnetic tracer technique and localization metastatic lymph node in axillae before neoadjuvant treatment. In the Breast Unit, a multi-disciplinary approach is performed, which means that all patients' cases are discussed collectively by radiologists, pathologists, oncologists, and surgeons in multidisciplinary meeting every Friday at 12 a.m. Appointments can be scheduled at the telephone number: ++387 51 342 242. Outpatients 7.00 a.m. - 3.00 p.m.

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E-mail: breast.center@kc-bl.com

Web-site: www.kc-bl.com

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** 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)** 246
- Dedicated Breast Surgeons** 3
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 9
- Breast Nurse specialists** 7
- 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
- Nipple Reconstruction

Pathology

- Dedicated Breast Pathologists** 2

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)
- DISH, SISH

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
- Microcalcifications

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)

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

Aleksandar Guzijan, MD, PhD	Head of Breast Center	aleksandar.guzijan@kc-bl.com	+38751342435
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Reconstructive Surgery

Nikola Baroš, MD	Head Of Clinic For Plastic And Reconstructive Surgery	nikola.baros@kc-bl.com	+38751342100
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Pathology

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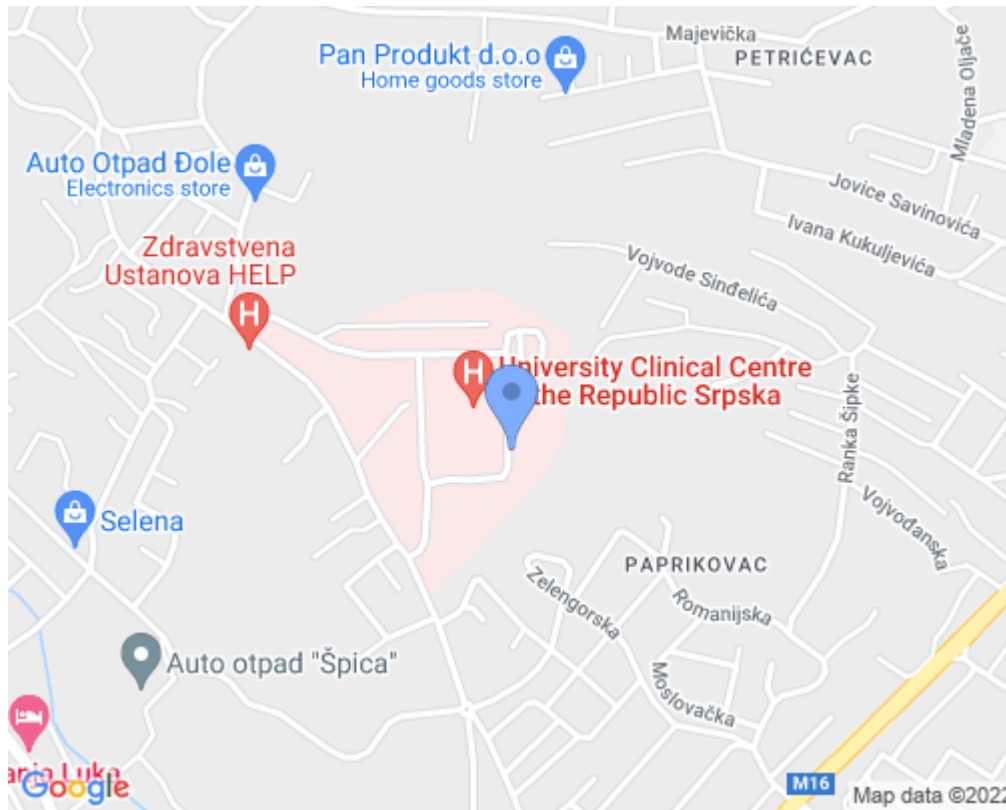
Medical Oncology

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Radiotherapy

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How to reach us



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Web-site: www.kc-bl.com

From airport:

The distance between the International Airport Banja Luka to Banja Luka downtown is 23 km.

By train:

From Railway station Banja Luka to Hospital: 3km.

By bus or sub-way/underground:

From Bus station Banja Luka to Hospital: 3km.

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