



# BREAST CENTRES NETWORK

Synergy among Breast Units

## ★ HANNIBAL Clinic - Tunis, Tunisia

### General Information



**New breast cancer cases treated per year** 500

**Breast multidisciplinary team members** 17

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

**Clinical Director:** Ghazi JERBI, PhD

Because cancer can significantly impact part or the whole of the patient's body and the course of the disease can differ from one case to another, Hannibal Clinic offers the most qualified experts in their fields. Our highly qualified oncologists, who are among the best doctors in the country, are responsible for personally monitoring patients to determine the best possible treatment for each case and solutions for different diseases. The Hannibal Clinic, by bringing together the most renowned oncologists in their respective fields and by having significant technological resources, offers the best possible framework for consultations, treatments and post-operative follow-up of its patients. The research carried out in oncology in Tunisia in our laboratories is carried out with the greatest dedication and testifies our unconditional effort to offer ever more effective and painless cures to our patients.

### **HANNIBAL Clinic**

Cité Les Pins

1053 Tunis,

Phone: +21671137500

Fax: +21671137405

E-mail: [contact@cliniquehannibal.com](mailto:contact@cliniquehannibal.com)

Web-site: [www.cliniquehannibal.com](http://www.cliniquehannibal.com)

CERTIFICATION(S) ACCREDITATION(S)

**HAS**

Expiration date: 01 June 2019

Image: HAS

France accreditation

This Centre has notified to be certified and, as such, been requested to upload the certification document for further information. When the certification document/s is/are provided, it is/they are made available hereafter.

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** 2
- Mammograms per year** 2400
- 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
- scintigraphy

**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)** 462
- Dedicated Breast Surgeons** 2
- Surgeons with more than 50 surgeries per year** 2
- Breast Surgery beds** 14
- Breast Nurse specialists** 6
- 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** 1

**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)
- CISH, automatised IHC study with BenchMark Ventana automate

**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
- Ki67, Residual cancer burden calculator MD Anderson,

**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)

IMRT, VMAT

**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

Palliative care, thoracic surgery,

**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

Ghazi JERBI, PhD	Medical Director	<a href="mailto:ghazi.jerbi.cih@gmail.com">ghazi.jerbi.cih@gmail.com</a>	+21698303127
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## Radiology

Kais Nouira, PhD	Diagnostic and Interventional Radiology	<a href="mailto:kais.nouira@gmail.com">kais.nouira@gmail.com</a>	+21698334293
Rym Bennaceur, PhD	Breast Radiology	<a href="mailto:bennaceurym@gmail.com">bennaceurym@gmail.com</a>	
Anis Askri, MD	Diagnostic and Interventional Radiology	<a href="mailto:askrianis@gmail.com">askrianis@gmail.com</a>	
Nazek Achour, MD	Breast Radiology		
Maha Mahmoud, MD	Diagnostic Radiology- Neuro Radiology		
Oumaima Nassej, MD	Diagnostic Radiology		

## Breast Surgery

Ghazi Jerbi, PhD	Medical Director	<a href="mailto:ghazi.jerbi.cih@gmail.com">ghazi.jerbi.cih@gmail.com</a>	+21698303127
Selma Gatria, MD	Surgical Oncologist	<a href="mailto:selma.gatria@gmail.com">selma.gatria@gmail.com</a>	+21621124280

## Reconstructive Surgery

Selma Gatria, MD	Surgical Oncologist	<a href="mailto:selma.gatria@gmail.com">selma.gatria@gmail.com</a>	+21621124280
Samy Lasta, MD	Plastic Surgeon		+21655845000

## Pathology

Samia Chatti, PhD	Head of Pathology Department	<a href="mailto:samia.chatti@cliniquehannibal.com">samia.chatti@cliniquehannibal.com</a>	+21620333623
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## Medical Oncology

Samir Khalfallah, PhD	Medical Oncologist	<a href="mailto:sam.khal@gnet.tn">sam.khal@gnet.tn</a>	
Hatem Chaaba, MD	Medical Oncologist	<a href="mailto:chaaba.hatem@gmail.com">chaaba.hatem@gmail.com</a>	98221879
Olfah Hadiji Triki, MD	Medical Oncologist	<a href="mailto:olfahadiji@yahoo.fr">olfahadiji@yahoo.fr</a>	98644155
Nawress Sakka Attia, MD	Medical Oncologist	<a href="mailto:nawress@hotmail.com">nawress_s@hotmail.com</a>	
Henda Rais, PhD	Medical Oncologist	<a href="mailto:henda.rais@yahoo.fr">henda.rais@yahoo.fr</a>	

## Radiotherapy

Hatem Frikha, PhD	Radiotherapy oncologist	<a href="mailto:hatem.frikha@yahoo.fr">hatem.frikha@yahoo.fr</a>	
Khiareddine Chaouache, MD	Radiotherapy Oncologist	<a href="mailto:khiareddine.chaouache@cliniquehannibal.com">khiareddine.chaouache@cliniquehannibal.com</a>	
Hela Hammami, MD	Radiotherapy Oncologist	<a href="mailto:hela.hammami@hotmail.fr">hela.hammami@hotmail.fr</a>	
Taha Messai, PhD	Radiotherapy Oncologist	<a href="mailto:tahamessai@gmail.com">tahamessai@gmail.com</a>	

How to reach us



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**From airport:**

A 10 to 15 minutes drive by taxi or car

**By car:**

There is a private parking in front of the Clinic

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