

# MediClubGeorgia



Organization Accredited  
by Joint Commission International

**Innovation. Vision. Professionalism.**



- Number of outpatient visits per year 213, 039
- Number of surgeries performed per year - 1310
- Total Staff - 361
- Medical Staff - 110
- Nursing Staff - 76
- ER- 6 beds
- Operating Rooms - 3
- ICU - 7 Beds
- Wards - 55 Beds



**Innovation. Vision. Professionalism.**

**MediClubGeorgia** is the first Joint Commission International (JCI) accredited health care and medical service provider in Georgia.

Established in 1999 MCG remains committed to the continuous improvement of all aspects of health care provision and provide premium quality general practice, 24-hour emergency service and occupational health care.

Our mission is to keep our patients healthy. Three core principles guide us to accomplishing our mission:

**Innovation. Vision. Professionalism.**

MCG offers comprehensive, flexible, international-standard medical services in all of aspects: patient safety, health assessment and care planning, medication management, prevention and control of infections, anesthesia and surgical care, laboratory and instrumental diagnostics service, nursing care, care of medical service quality improvement, patients and family rights, medical records and information communication, education and qualification of medical staff, infrastructure and safety operation, efficiency of clinical management, activity of learning resource center.

MCG has 2 business units: Multidisciplinary Medical Center and Learning Resource Center.

**Major services:** Outpatient Services: GP, Pediatrics, Multidisciplinary consultants, Disease Prevention Programs (Men & Women's full medical check-up), prevention and early diagnostic of oncological (breast, lung, prostate, gastrointestinal, etc.) and cardiovascular diseases, Laboratory, Pharmacy.

Inpatient Services: ICU/Anesthesia, Surgical department, General internal medicine department, Oncology department.

Learning Resource Center offers AHA Trainings: BLS, BLS for instructors, ACLS, ACLS for Instructors, Heartsaver CPR, Heartsaver AED, Heartsaver First Aid, Heartsaver First Aid (Pediatric); Other Trainings – ATLS, PHTLS, First Aid – Level 1, 2, 3 and etc.

**Exclusive technology:** Centers of excellence: Urology (endoscopic prostatectomy, partial nephrectomy); Vertebrology; Sport medicine & Endoprosthesis; Endoscopic diagnostics: EBUS – Endobronchial ultrasound procedure, Thoracosurgery; Upper and lower GI tract diagnostic procedure, Ultrasound controlled biopsy; Gynecology; Oncology

**MCG Achievements:** ISO Certification – Since 2004, Georgian Quality Mark Award – 2005, Invest in Georgia Award – 2010, MERCURY Award – 2011, European Business Award – 2012, Maritime Transport Agency of Georgia – 2014, JCI hospital accreditation - 2017.

## Our Services

### Outpatient Services

- GP
- Pediatrics
- Therapy
- Imaging
- Laboratory
- Cardiology
- Oncology
- ENT
- Neurology
- Traumatology/Orthopedics
- Gynecology
- Urology
- Endoscopy
- Proctology
- Surgery
- ER
- Occupational Health
- Pharmacy



**Innovation. Vision. Professionalism.**

### Inpatient Services

- General Surgery
- Oncologic Surgery
- Gynecologic Surgery
- Proctologic Surgery
- Urologic Surgery
- Trauma/Ortho Surgery
- ENT Surgery
- Neurologic Surgery
- Plastic Surgery

### Inpatient Service

- Pediatrics
- Cardiology
- Allergy and Immunology
- Endocrinology & Metabolism
- Infectious Diseases
- Oncology
- GI
- General Medicine
- Hematology
- Neurology
- Intensive Care
- Anesthesiology



## International Medical Services

IMS offers the foreign patients wishing to receive medical services in Georgia the organization of diagnostics and treatment in our clinic, with optimal planning of outpatient and inpatient services, according to a preliminary compiled individual plan. We also organize a cultural program in a treatment-free time.

### International Relations Department:

- Organizing the patient's arrival;
- Planning the patient's stay in the hospital;
- Estimating the preliminary costs of treatment and informing the patient;
- If necessary, conducting preliminary online consultations;
- Organizing consultations with doctors to receive the required outpatient and inpatient services;
- Accompanying by the assistant during the stay in the hospital;
- Meeting at the airport and transfer;
- Booking a hotel or apartment;



- Searching for a specialized hospital for the patient, according to medical indications;
- Organizing the urgent medical evacuation –air ambulance service, the live-saving transportation of the patient to the hospital by a CCT ambulance;
- Preparation, translation and provision of medical documentation to the patient after discharge;
- Organizing further consultations with the doctor in charge in writing, or online;
- Planning of cultural and educational programs in spare time, at the patient's request including excursions to the sights of the city of Tbilisi, as well as tours to other regions of Georgia.

### Special Offer

**MediClubGeorgia** offers a Full Medical Check Up, in order to prevent diseases and for timely diagnosis, within the framework of age-related program packages.

The examinations are conducted on an outpatient basis with the duration 1-3 days. The patient comes to the clinic at the appointed time, according to the schedule, which makes it possible to plan free time at patient's will.

Upon completion of the checkup, a final conversation with the doctor will be held. The doctor will review the results of clinical tests and examinations, provide medical recommendations, a treatment plan and a comprehensive medical report.

**IMS offers patients wishing to receive medical services abroad following:**

- Searching for hospital by medical indications;
- Preparation and translation of patient's medical records;
- Obtaining a preliminary examination and treatment plan;
- Obtaining preliminary estimates of costs;
- Organizing a meeting at the airport and transfer to the hospital/hotel;
- Organizing the urgent medical evacuation – airambulance service, the life-saving transportation of the patient to the hospital by a CCT ambulance;
- Escorting by a MSG doctor;
- Organizing the interpreter services during the stay in the hospital;
- Obtaining translated medical records, examination results and prescriptions after the discharge.

**IMS offers the following additional services:**

- Teleconsultancy with the leading professors of the medical center – University of Freiburg in the videoconference mode, using the special program Vidyo.
- Written medical consultation – the service of “Second Independent Opinion” – evaluation of radiological images or medical report by leading physicians of medical center – University of Freiburg.

## Neuropaediatric Services

The Neuropaediatric Department of the MediClubGeorgia offers outpatient and inpatient services.

### Outpatient Services:

- Paediatric neurologist's consultation
- Pediatric metabolist's consultation
- Clinical geneticist's consultation
- Video consultation with foreign experts (France, USA)
- Video EEG (routine, as well as a 24-hour EEG monitoring)
- Diagnostic of neuro-developmental disorders, epilepsy, autism, neuro-muscular disorders, congenital malformations and inborn errors of metabolism



### Inpatient Services:

- Diagnostics and treatment of patients with the nervous system diseases
- Ketogenic diet (initiation)

Ketogenic diet – is used for the treatment of particularly difficult, drug-resistant epileptic syndromes. Its essence is the creation of a ketotic condition in the body through the combination of foods that contain a high fat, adequate protein and minimal level of carbohydrates. Under these conditions, the body will use ketones as a source of energy, which ultimately leads to a decrease of the frequency of epileptic seizures by ~50% or even more. The mentioned diet is also used for the purpose of management the status epilepticus.

**Our partners are:**

- Laboratory for Pediatric Brain Diseases, The Rockefeller University, Howard Hughes Medical Institute, USA
- Hôpital Necker – Enfants Malades, France
- Pitié-Salpêtrière Hôpital, France

## Oncology and Chemotherapy

The Oncology Department is staffed with qualified medical personnel and equipped with the high quality modern equipment

The treatment of cancer patients is the integration of multidisciplinary approaches, which means the simultaneous or consecutive use of surgical intervention, radiation therapy and chemotherapy/Immunotherapy.

High-tech diagnostic and treatment products become more and more commonly used for the treatment of cancer patients. New palliative treatment approaches get gradually introduced, which improves the patients' quality of life.

Due to the achievements of recent years, a malignant tumor has transformed from of a fatal disease into a chronically flowing, manageable process, and an increase in the effectiveness of treatment becomes gradually evident.

Physicians of the Oncology Department of **MediClubGeorgia** use a multidisciplinary approach for each oncology patient's diagnostics and treatment of cancer. Patients' treatment is planned in advance and is subsequently managed on the basis of the disease status assessment in dynamics, which includes clinical, laboratory and radiological re-examinations, as needed.

List of services provided by the Oncology Department:

- Oncologist's consultation
- Puncture of the pleura (subsequent examination of the fluid – cytology, bacterioscopy)
- Bronchoscopy (lavage, cytology, biopsy, – morphology, immunohistochemistry)

- Kerry's solitary lung biopsy – morphology, immunohistochemistry)
- Gastrofibroscopy with biopsy (morphology, immunohistochemistry)
- Colonoscopy – with biopsy (morphology, immunohistochemistry)
- Sigmoidoscopy
- Rectoscopy
- Paracentesis (subsequent examination of the fluid, cytology, bacterioscopy)
- Puncture of lymph node, biopsy (cytology, morphology, immunohistochemistry)
- Marrow puncture, trepanobiopsy (cytology, morphology, immunohistochemistry)
- Mammary gland puncture, biopsy (Core needle Biopsy) cytology, morphology, immunohistochemistry)
- Transthoracic puncture (cytology)
- Transthoracic biopsy (Core needle Biopsy) (morphology, immunohistochemistry)
- Laparoscopic biopsy (morphology, immunohistochemistry)
- Liver biopsy (morphology, immunohistochemistry)
- OncoMarkers
- Cholangiography
- Nephrostomy
- Bone (damaged) trepanobiopsy morphology, immunohistochemistry
- Central venous catheter through ports - planting
- Chemotherapy
- Immunotherapy
- Targeted/biological therapy



## Surgical Services

Surgical service of **MediClubGeorgia** is completed with qualified professionals. Our clinic participates in, and manages planning, providing, and evaluating surgical patient care activities and related training programs. Organizes the medical environment, performs and directs support activities in patient care situations, including trauma and emergency patient care. The aim of our service is to provide qualified patient care for the surgical patient before, during, and after surgery.

### Our surgical service includes:

#### General (also laparoscopic) surgery/surgical oncology:

- - Hepato-pancreato-biliary (HPB) surgery
- - Gastric and esophageal surgery
- - Colorectal surgery and proctology
- - Abdominal and retroperitoneal surgical oncology
- - Herniology
- - Reconstructive surgery
- - Vascular surgery
- - Endocrine surgery (thyroid, adrenal, and ect.)
- Bariatric surgery



**Proctologic procedures:**

- Less invasive ambulatoru procedures;
- Procedures for Haemorrhoidal nodules, Anal fistula, perirectal and ischeorectal abscesses, Anal insufficiency and ect.

**Pediatric Surgery:**

- Elective and urgent pediatric surgery
- Inherited disorders

**Otorhinolaryngology:****Plastic, esthetic and reconstructive surgery:**

- Abdominoplasty (abdominal shape correction)
- Esthetic, plastic and reconstructive surgery (pediatric patients)
- Palm Surgery
- Reconstructive surgery on extremities



**Trauma/Orthopedic:**

- Arthroscopy
- Hip and knee endoprosthesis
- General traumatology

**Emergency Surgery:**

- Thoracic/abdominal
- Pediatric
- Gynecology
- Trauma



## Center for Arthrology, Sports Medicine and Regenerative PRP

The Center for Arthrology, Sports Medicine and Regenerative PRP provides minimally invasive arthroscopy procedures and open surgery.

### Arthroscopic operations

Arthroscopy of: knee, hip, ankle, arm, elbow joints

Meniscectomy, meniscal suturing, reconstruction of knee joint ligaments: (anterior cruciate, posterior cruciate, collateral ligaments), restoration of a cartilage defect, mosaicoplasty (cartilage transplantation).

Restoration of rotator cuff muscles of the shoulder joint, acromioplasty, shoulder capsule reconstruction (Bankart operation);

**Arthroplasty of the:** hip, knee, shoulder, elbow joints;

**Revision arthroplasty of** hip and knee joints

**Onco-Orthopaedics:** Surgical management of the bone and soft tissue tumors (replacement of tumors with onco-prosthesis or bone allografts)



### Management of nonunion and false joints

- Malunions
- Sport trauma

### Spine surgery:

- Spinal distortion correction – scoliosis, listhesis, kyphosis
- Spinal fracture fixation
- Costal humpback plasty

### Platelet Rich Plasma Therapy – PRP

For successful treatment of complex diseases and injuries of the locomotor system, the PRP-therapy (Platelet Rich Plasma) with the platelet-rich biologically active components is used, including growth factors that promote rapid regeneration of bone and soft tissue.

### Hand and ankle surgery:

- Hand and Foot bone fractures;
- Nonunion and false joints
- Malunions
- Talipes valgus, hallus valgus;
- Bone and soft tissue tumors;
- Treatment of wrist bones dislocation and fracture-dislocation;
- Surgical treatment of tendon injuries.



**Field of application:**

- Orthopaedic diseases (ligaments/tendons, meniscus, cartilage and joint injuries)
- Arthritis of various aetiologies
- Sport injuries
- Diabetic foot and tropic ulcers
- Burns



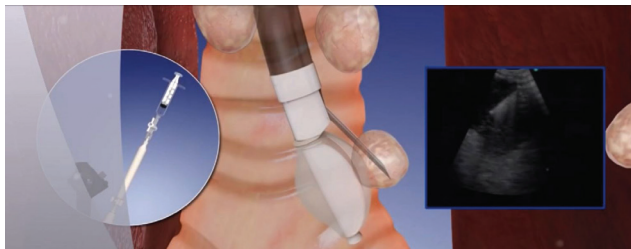
## Thoracic Surgery Services

Thoracic Surgery Division provides surgical service for diagnosis and therapy of acute and chronic pathologies of lung, pleural and mediastinal organs, chest trauma surgery, including urgent treatment. Postoperative intensive care unit provides optimal treatment even during difficult pathologies.

Exclusive technology:

- Endobronchial ultrasound (EBUS)-minimally invasive and high effective procedure used to diagnose lung cancer, infections, and other disease, causing enlarged lymph nodes in the chest. EBUS technique was held in our clinic for the first time in Georgia.
- EVIS EXERA III – Olympus make Video-Endoscopic Platform with 3D Image

At the emergency room we perform pulmonary cavity drainage in case of accumulation of air (pneumothorax) or fluid (exudative plural) upon admission of the patient. The relevant diagnostic (chest X-ray, computer tomography, ultrasound examination) is provided on site.



One of the priorities of the clinic **MediClubGeorgia** is oncologic treatment where thoracic surgery plays a major role. The decision on each patient is made by a board in which doctors of various specialties are included, as provided by international standards.

## Gynecological Services

**MediClubGeorgia** offers a full package of gynecological services. The teams of experienced and professional specialists take care about health of our patients. The Gynecological Department of **MediClubGeorgia** is equipped with modern high-expert level diagnostic equipment, which allows conducting accurate and highly effective studies/examinations.

### Outpatient Gynecology:

- modern diagnosis and treatment of genital infections;
- Study of pathologies of the cervix, vagina and vulva using Pap smear and colposervicopy, and their treatment;
- diagnosis and treatment of menstrual disorders
- establishing the causes of miscarriage or spontaneous abortions and their treatment;
- diagnosis and treatment of infertility;
- menopause and hormone replacement therapy;
- family planning and contraception.

**Surgical gynecology:**

- Diagnostic and operative hysteroscopy for the treatment of o uterine cavity pathologies;
- Laparoscopic surgery of the uterus, ovaries and fallopian tubes (uterine myoma, genital endometriosis, ectopic pregnancy, ovarian cyst, and infertility surgery);
- surgical treatment of genital prolapse using meshes
- Radical surgery in oncogynecology through open and laparoscopic surgery in malignant tumors of the ovaries, the uterus and the cervix.

## Urological Services

The **MediClubGeorgia** Urology Department offers diagnostics and treatment of urinary tract problems in men and women of all ages, as well as problems with man's reproductive system.

The minimally invasive surgical interventions have the priority as they allow the patient to reduce the time of stay in the clinic and quick rehabilitation. The laparoscopic operations of any complexity due to oncological and non-oncological urological diseases are conducted in our clinic; many of such operations were first-ever conducted in **MediClubGeorgia** in the country and in Commonwealth of Independent States. The urological surgery suite is equipped with a laparoscopic technique with the cutting-edge three-dimensional video image of Olympus production, which was the first such system in the Commonwealth of Independent States.

### Equipment to note:

- EVIS EXERA III by Olympus – 3D videoendoscopic platform
- Thunderbeat – a rsurgical tissue management system integrating ultrasonic and bipolar energies
- Flexible video-cystoscope
- Flexible and rigid ureteroscopic systems
- Narrow band imaging (NBI) – a novel imaging system attached to our endoscopy platform
- Bipolar transurethral resection unit
- Dornier Ho:Yagsurgical laser
- X-raysurgicalunitforendourology, equipped with Siemens Artiszee interventional radiological system
- BK5000 interventionalultrasoundmachinewith 3Dimagereconstructionfunction

**Services to note:****Laparoscopic urology**

- Laparoscopic radical prostatectomy
- Laparoscopic radical cystectomy
- Laparoscopic total and partial nephrectomy
- Laparoscopic radical ureteronephrectomy
- Laparoscopic extended pelvic lymph node dissection
- Laparoscopic retroperitoneal pelvic lymph node dissection
- Laparoscopic ureteropyeloplasty
- Laparoscopic ureterocystoneostomy
- Laparoscopic resection of bladder diverticulum
- Laparoscopic ureterolithotomy
- Laparoscopic nephrolithotomy

**Endourology**

- Transurethral resection of the prostate
- Transurethral vaporization of the prostate
- Transurethral resection of the bladder tumor
- Optical internal urethrotomy





- Transurethral management of bladder stones, mechanical and laser lithotomy
- Flexible cystoscopy
- Flexible and rigid ureteroscopy
- Ureteroscopic management of ureteral stones
- Percutaneous nephrolitholapaxy

#### **Pediatric, reconstruction, and functional urology**

- Surgical management of vesicoureteral reflux in children and adults
- Hypospadias surgery
- Surgical management of urethral strictures
- Orchidopexy



## International Laparoscopic Surgery Training Center

The International Laparoscopic Surgery Training Center was inaugurated at the **MediClubGeorgia** clinic with the generous support of the Olympus Corporation on 2016.

The Center is led by David Nikoleishvili, MD, PhD, head of MCG's Urology unit. Masterclasses organized by the Center enables Georgian and foreign medical students and surgeons to become familiar with theoretical and practical aspects of laparoscopic surgery.

As part of these events, the applicants have an opportunity to attend lectures delivered by recognized Georgian and international experts as well as observe “live surgery” events, that is, laparoscopic procedures broadcasted from the clinic's operating theater, which is equipped with the most up-to-date endolaparoscopic systems. The Center is also fitted with dry lab workstations and surgical simulators to help the applicants improve their basic laparoscopic skills.



## **MediClubGeorgia Learning Resource Center**

**MediClubGeorgia** learning Resource Center (MCG LRC) is a training unit established in 2004 as part of MediClubGeorgia Co. Ltd.. MCG LRC provides specific and customized trainings in different field of Medicine and first aid for MCG personnel, individual customers and contractor companies.

Since 2007 **MediClubGeorgia** is American Heart Association AHA international Training Center and authorized provider of the AHA ECC and First Aid Courses.

MediClubGeorgia is affiliated clinic of leading Georgian Medical Universities - Tbilisi State Medical University, D. Tvildiani Medical University, and Javakhishvili State University.

Since 2013 **MediClubGeorgia** LRC is conducting Advanced Trauma Life Support Course, developed by the American College of Surgeons (ACS) and its Committee on Trauma (COT).

Since its inception more 70000 students were trained in MCG LRC and more than 55 different training curriculums were created.

### ***MCG LR Technical Resources***

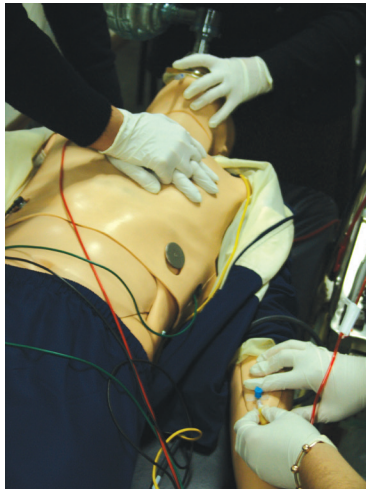
MCG LRC currently houses training lecture rooms equipped with modern audio/video equipment, practice session/skills station rooms equipped with state-of the art manikins from Laerdal and simulation ward room – with a hospital type bed, monitors, treatment area and all necessary equipment to simulate different hospital settings (ICU room, ER, Post Anesthesia, Ward room, etc).

### *MCG LRC Instructors*

All instructors hold instructor/trainer certificates from world known training organizations.

### *Teaching Methodology*

Different teaching methodologies are used in training courses: live lectures, audio/video presentations, real life scenario simulations. MCG LRC trainings are famous for emphasis on hands-on practice that help students get more skills practice and better retain the skills that are necessary



## **Courses currently taught at MediClubGeorgia Learning Resource Center**

### **Courses for medical personal**

1. Advanced Prehospital life Support, Training for Physicians
2. Advanced Prehospital life Support Training for Nurses
3. Nursing Master Training
4. American Heart Association ECC Programs:
  - 4.1. Basic Life Support for Healthcare Providers (BLS for HCP) – Provider Course
  - 4.2. Basic Life Support for Healthcare Providers 4.3. (BLS for HCP) – Instructor Course
  - 4.4. Advanced Cardiovascular Life Support (ACLS) Provider Course
  - 4.5. Advanced Cardiovascular Life Support (ACLS) Instructor Course
  - 4.1. Pediatric Advanced Life Support (PALS) Provider Course
5. Advanced Trauma Life Support Course (ATLS) – American Colleague of Surgeons
6. Prehospital Trauma Life Support (PHTLS) – NAENT

### **Courses for Non-Medical Personal**

1. Basic First Aid (level I)
2. Advanced First Aid (Level II)
3. First Aid for Experienced Providers (Level III)
4. Pediatric First Aid
5. Medical Emergency Response Team Training
6. American Heart Association Courses (Heartsaver Courses)
  - 6.1. Heartsaver CPR
  - 6.2. Heartsaver AED
  - 6.3. Heartsaver First Aid
  - 6.4. Hearsaver Pediatric First Aid
  - 6.5. Heartsaver Infant CPR

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