КЕМЕЛДІК ФИЛОСОФИЯСЫ • ФИЛОСОФИЯ СОВЕРШЕНСТВА • PHILOSOPHY OF PERFECTION

ЖШС "КӨПБАҒЫТТЫ КЛИНИКА “SOFIE MED GROUP” /СОФИ МЕД ГРУПП/ TOO “МНОГОПРОФИЛЬНАЯ КЛИНИКА “SOFIE MED GROUP” LLP “MULTIFUNCTIONAL CLINIC “SOFIE MED GROUP”
To provide our clients with medical services at the highest level with the help of:

- Ultra-modern infrastructure and equipment;
- Unique management systems;
- Highly qualified doctors and nurses;

Follow the principles of modern private hospital, which is a leader in the provision of health services in western Kazakhstan and the Republic as a whole;

Implement the clinic’s mission in a real life, and to maintain high standards in the field of treatment and diagnostics, working on the principle of "SERVICE - QUALITY"

Keep going on and constantly develop the quality of services, which are provided in the clinic with the help of:

- Implementation of ultra-modern technology and equipment;
- Active attraction of the high-quality medical staff for work, exchange of experience and training;
The uniqueness of Sofie Med Group is that the philosophy of perfection stands as basis for the functioning of each of the components of our clinic.

- Ultra-modern medical equipment, the appliance of exclusive high-quality medicines and supplies
- Highly professional medical staff
- Treatment only according to international protocols and guidelines
- Engineering technology and infrastructure according to the European Standards
- High-quality and patient-orientated service

**«Sofie Med Group»**

**Unique Multifunctional Clinic**
Range of medical services

- Inpatient Department
- Endoscopy Department
- Anesthesia and Reanimation
- Outpatient Department
- Radiology Department
- Clinical Diagnostic Laboratory
- Dental Department
- Department of Occupational Care
Inpatient Department of SMG clinic features latest equipment, which are necessary for many types of surgery, including minimally invasive operations. We use endoscopic instruments of the highest international quality. Treatment is carried out by experienced surgeons, who are true professionals.

**Main directions**

- Gastric and intestinal surgery
- Hepatobiliary surgery
- Surgery of the esophagus
- Pancreatic Surgery
- Surgery of all kinds of hernias, laparoscopic method
- Pulmonary surgery
- Open Surgery and Laparoscopic oncosurgery

Laparoscopic surgery:
- On the gallbladder and biliary tract
- On the stomach and hiatal hernia
- On thick, on thin, on the rectum and on spleen

Proctology-removing of hemorrhoids nodes with Lonko devices and laser ultra-scalpel

*Notes: medical streams which include exclusive manipulations for the Western Kazakhstan are highlighted with green color*
Neurosurgery – is a medicine of the highest level, which provides to the patience modern methods of diagnostic and treatments to the patients. Neurosurgery department in the SMG uses advanced medical experience and practices and effective solutions in that field of medicine, allowing to carry out complex surgeries, keeping all the elementary functions of the brain and spinal cord.

**Main directions**

- Diseases of the spine
  - All levels of herniated spine
  - Spondylolisthesis
  - Traumatic spinal injury
  - Spinal tumors - tumor

- Diseases of the brain and spinal cord:
  - Brain and spinal tumors
  - Tumors of the membranes of the brain and spinal cord
  - Tumors of the nerve roots and peripheral nerves
  - Gemarogystic strokes of various origins

- Anomalies of development
  - Arnold- Kiari Malformations
  - Scoliosis
  - Hydrocephalus

- Pain syndromes:
  - Neuralgia of the trigeminal nerve
  - Other radicular syndrome
  - Carpal Tunnel Syndrome

- Post-traumatic plastic skull

*Notes: medical streams which include exclusive manipulations for the Western Kazakhstan are highlighted with green color*
Orthopaedists of SMG use techniques of complex operations, even when multiple grafts replace joints in the case of a large deterioration of bone tissue. All the problems associated with implantation and replacement of artificial joints can be solved in the clinic. Postoperational treatment is carried out with a fully equipped rehabilitation room with training therapy devices equipped with computer management and control. The focus is always on the patient, therefore, only feasible innovations, which have been fully tested by world injury orthopaedic community, are introduced into clinical practice.

Main directions

- Partial and total joint replacement (Arthroplasty)
- Arthroscopy
- Osteosynthesis of long bones
- Reconstruction of the cruciate and lateral ligaments
- Vertebrology and other spinal deformities
- Osteoarthritis and low back pain
- Benign bone tumors
- Injuries to the muscles and ligaments of the shoulder joint

Notes: medical streams which include exclusive manipulations for the Western Kazakhstan are highlighted with green color
Urology in SMG is represented by a complex of state of art medical equipment which complies with the latest international standards. The department currently has and uses at its disposal numerous conservative and innovational, medical and surgical treatments of various kinds of clinical detection, based on the current scientific knowledge and the highly valuable experience and high competence of the doctors.

**Main directions**

- Laparoscopic urological surgery
- Reconstructive plastic surgery on the kidneys and ureters
- Ureterocystoanastomosis
- Retroperitoneoscopic nephropexy
- Extraperitoneoscopic Retro pubic prostatectomy
- Percutaneous surgery
- Operations on the kidney, renal pelvis and ureter on the prostate and bladder

*Notes: medical streams which include exclusive manipulations for the Western Kazakhstan are highlighted with green color*
The ultra-modern and highly efficient, extracorporeal shock wave lithotripsy under ultrasound and X-ray apparatus

One of the most secure and high-tech methods of treatment of urolithiasis

- the procedure does not require general anesthesia
- after the destruction by shock wave, fragments of stone get released from the body without further treatment
- the procedure does not take a long time and is performed on an outpatient basis
Inpatient Department - Gynecology

**Main directions**

- Inflammatory diseases of the reproductive system
- Cervical Pathology (early diagnosis of cervical cancer)
- Operative gynecology
- Prevention of diseases of the female genital tract
- Menopause and hormonal changes
- Colposcopic surgery
- Hysteroscopic surgery
- Laparoscopic surgery
- Hysterosalpingography
- Prenatal care (8 months) and pathology of pregnancy, reproductive system

Advanced diagnostic methods, starting from instrumental and laboratory tests, finishing with research on the newest equipment with digital systems - such gynecology is presented in the SMG. Experienced doctors conduct common and serious gynecological surgeries on the competent level in accordance with the latest international medical technologies and techniques.
Different types of prevention, diagnosis, conservative and surgical treatment of diseases, injuries, birth defects, and tumors of upper respiratory tract are conducted in ENT department in the SMG clinic. All modern methods of diagnosis and therapy are applied. One of the main advantages of the clinic is the possibility of an integrated inter-disciplinary treatment.

### Main directions

- Larynx stroboscopy
- Otoneurological examination
- Drug cauterization mucous upper respiratory tract
- Autopsy couple tonsillar abscess
- Nasal polypectomy
- Endoscopy
- GTR-acoustic emissions (objective audiogram)
- Reposition of nasal bones in outpatient and inpatient settings
Endoscopy in SMG is presented with ultra modern endoscopic equipment from the Japanese company "Olympus". In combination with the highly professional doctors, mentioned equipment allows to carry out the entire list of modern clinical diagnostic and therapeutic endoscopic manipulations solely in accordance with the European treatment guidelines.

Main directions

- Esophagogastroduodenoscopy
- Endoscopic papillae-pinkterotopy
- Stenting of the esophagus and bile duct
- Polony dilation of the esophagus
- Bronchoscopy
- Colonoscopy
- Rectoscopy
- Retrograde cholangiopancreatography
In the multifunctional clinic «Sofie Med Group» the entire spectrum of anesthetic services are represented which are available in all developed countries and professionals who have been trained in leading clinics around the world.

- General anesthesia
- Regional Anesthesia
- Blockade of the peripheral nerves
- Stabilization
- Prolonged anesthesia (post-surgery period)

- Intensive Care
- Special care
- Continuous monitoring
- Control of pain sensations
- Postoperative extended analgesia
The operating room of SMG consists from cutting-edge and ultra-modern modular spaces, that are made according to the "clean area" technologies, with the principles of "clean" and "semi sterile" corridor, system of locks, etc.

All three operating rooms are made in compliance with the highest standards of engineering and technology. There are laminar ceilings (3 x 3) with class H14 hepa filtration, air cleaning modular wall made from the galvanized steel with hygienic powder coating, “Clip-Inn” ceiling system, X ray protection, systems of the pressure monitoring, and other parameters of air conditioning. All of these allows "Sofie Med Group" to conduct absolutely all types of operating procedures for any of the medical fields.
Emergency (ER)

- Hall of observation
- Shock hall
- Sophisticated logistics and sequence of actions within the clinic
- Fully equipped ambulance car
Outpatient department

- Surgery
- Neuroscience
- Trauma-orthopaedics
- Urology and Andrology
- Gynecology and Reproductive Medicine
- Endocrinology
- Allergology and Immunology
- Treatment
- Pediatrics
- Cardiology
- Otorhinolaryngology (ENT)
- Ophthalmology
- Oncology
- Functional diagnostics
- Physical therapy
Department of Radiology

- 1.5T MRI
- Ultrasound
- Digital X-ray
- CT64
- Mammography
- Dental Tomography
Conduction of a standardized research is the main criteria in the work of clinical diagnostic laboratory of SMG. To ensure in quality of laboratory tests, all the stages of research - pre-analytical, analytical and postanalytical - standardized for all participants – physicians (doctors), patients, laboratory specialists and courier services.

There are only original analyzers and reagents of high precision from equipment manufacturer are used in progress of work, which brings to an absolute accuracy of test results.

Calibration and Quality Control are held monthly following World guidelines and protocols to conduct laboratory affairs like tests and manipulations.

Main directions

- Biochemistry
- Immunology (hormones and tumor markers)
- Coagulology
- Clinical researches
- Bacteriology
- Cell biology
- PCR
Stomatology department of a dental technique laboratory

- 3D tomography from SIRONA Company is used for an accurate diagnosis and implant planning.

- Automated implantation system, allows to restore the aesthetic and the main function of the tooth during the first visit.

- Using the latest innovations in dental anesthesia, which gives an opportunity to provide painless treatment during the whole process.

- CAD / CAM system CEREC, which allows doing a virtual design of smiles and repair of the full anatomic form.

- Using the unique milling machine In Lab MC XL, which receives and handles digital optical cast of intraoral 3D camera.

- High accuracy of implantation independent from any medical indication.
The first visit: Consultation, the shooting of the 3D image, scanning the oral cavity and analysis of the source background data.

Computer modelling, contactless automated process of manufacturing of the implants and crowns, including individual selection of color, shape and choice of material (Zirconia, Cermet) to reach a maximum aesthetic and practical result.

The second visit: The final installation of the implant
“Sofie Med Group” clinic takes into consideration the individual characteristics of our customers and can arrange a medical check-up for a special contingent of people to meet the required special conditions.
In our clinic, CHECK UP «HEALTHY LIFE» programs are developed for men and women with the different duration and scope of instrumental diagnostic research.

In accordance with the recommendations of the World Health Organization (WHO), preventative health diagnostic should be conducted annually. It is better to conduct a full medical check up of the body, that provides the high chances to identify the disease at an early stage of their development, that ensures for the best results in the treatment of disease.

The full medical check-up of the body includes:
- Complete laboratory and instrumental diagnostics;
- Functional diagnostics;
- Consulting of narrow specialists and consultations of general practitioners;

As a result of program, CHECK UP «HEALTHY LIFE» the patient receives a detailed written report on the state of their health with detailed medical advice.

It should be noted that the after the completion of the CHECK UP «HEALTHY LIFE » program and according to the results, you can be assigned for the additional medical manipulations and / or you can plan further medical interventions with us.
1. Medical staff
   - Well noted members of the medical elite of Kazakhstan and foreign countries.
   - Implementation of leading innovations, the variety of methods of the treatment and diagnostic-prevention procedures.
   - Modern equipment, allows to carry out high-tech and master surgeries.

2. Ability to work with the latest equipment and exchange of the experience with the following countries: the US, EU, Japan, China

3. The practice of attracting highly qualified specialists from leading medical institutions as a part of our staff, lecturers for training, with the target of supporting the status of a regional medical leader

4. The high quality of medical services which we present in our clinic, attentive and personalized care and value for money that we offer, all of the mentioned build up our own philosophy:

   PHILOSOPHY OF PERFECTION
SMG has a completely autonomy building with multiple duplicated life-support systems.
- The automated, structured, electric power supply, own electricity generator which can provide 72 hours of uninterrupted operation of the clinic Online UPS systems;
- Full climate control throughout the whole building;
- Automated water supply system;

- Innovative computer system that manage the "Smart House» building (Building Management System)

- Internationally agreed and technological modular type clean areas in the operational blocks with a system of ultra-clean ventilation (UCV) that uses H14 Hepa filters (HEPA - High Efficiency Particular Air). They are able to control all the basic parameters as pressure, temperature, humidity, the multiplicity of air exchange.

- Automated centralized system of fire safety, smoke removal and emergency management; System of the security functions and video monitoring, intercom and IP telephony, structured cable network and modern Back Up solutions;

- Biometric control of access level in different departments; An effective system of passenger lifts and lifts for the logistics laboratory analysis and medical instruments
Philosophy of perfection - not to stand on the same place, constantly develop!

Philosophy of perfection - to be the best!

Philosophy of perfection - focus on the results!

Philosophy of perfection - commitment, simplicity, harmony!
Thank you for your attention!