**ABOUT THE GEMC NEUROSURGERY CLINIC**

GEMC neurology and neurosurgery clinic performs surgical and conservative treatment of various nervous system diseases, including benign and malignant tumors of the brain, spinal cord and peripheral nerves, epilepsy, after‐stroke conditions, brain and spinal cord injuries. Emergency service and GEMC emergency resuscitation cars promptly transport patients with acute conditions. Patients with brain and spine injuries, herniated discs, hemorrhagic and ischemic strokes receive neurosurgical help in urgent conditions. With access to the most modern equipment, leading anesthesiologists and intensive care specialists conduct the most complex surgeries and provide high‐quality aftercare. If it is necessary to perform a minimally invasive spinal surgery, or use modern implants and stabilizing structures on medical grounds, our experienced spinal surgeons are at your disposal: Professor Jean‐Michel Derlon (France), Dr. Dmitry Dzukaev (Russia). Professor Vladimir Shabalov (a world‐renowned and leading Russian expert in functional neurosurgery), perform surgeries and outpatient care on the basis of GEMC. Patients with chronic pain due to failed back surgery syndrome, pelvic pain, frequent migraine attacks intractable to medical treatment, as well as patients with spastic forms of cerebral palsy, persistent chest pain after revascularization cardiac surgeries, lower limb ischemia, have the opportunity to get effective health care.

GEMC operating rooms are equipped with modern neuronavigation systems, intraoperative video angiography and accurate neuromonitoring. These tools allow minimizing risks of complications after surgical interventions on the nervous system, and increasing the efficacy of patient care. The GEMC Pathology department is able to carry out cytological examination of tissue samples collected during the surgery and their analysis by both domestic and foreign experts. Neurosurgeons of the clinic work in close collaboration with leading GEMC medical professionals from radiation therapy units, oncology, psychotherapy, cardiology, trauma, surgery, endocrinology and rehabilitation, as well as ophthalmologists and ENT specialists.