



REPUBLIC OF SERBIA
MINISTRY OF DEFENCE

MILITARY MEDICAL ACADEMY



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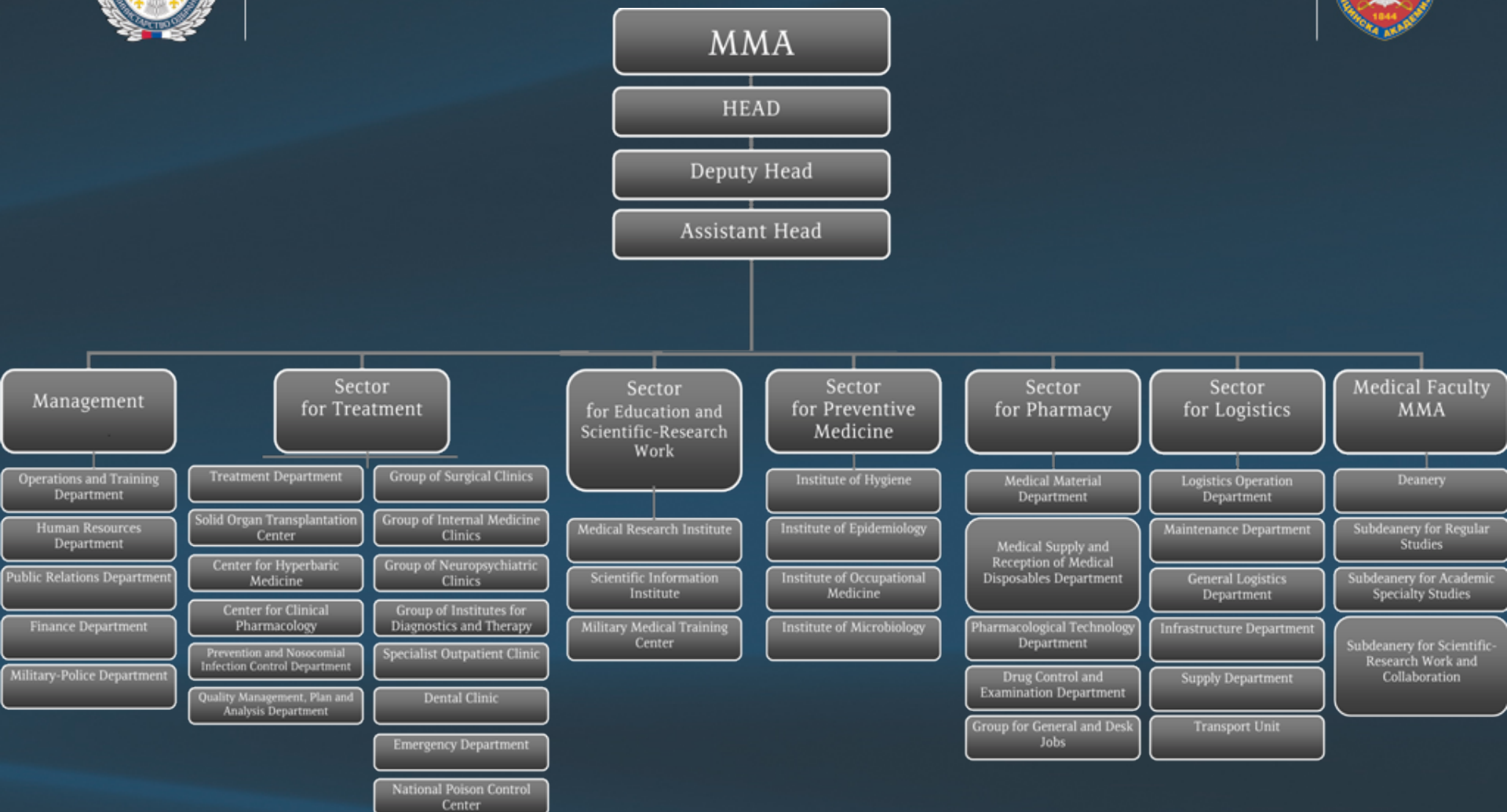
MILITARY MEDICAL ACADEMY



Agenda

- **Organizational scheme of Military Medical Academy**
- **Military Medical Academy today at a glance**
- **MMA - Three pillars under the same roof**
 - ❖ Medical treatment
 - ❖ Education
 - ❖ Scientific research
- **International cooperation**
- **Future plans**







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Military Medical Academy Today at a Glance

- **Military Medical Academy is a military, medical, educational and scientific institution**
- **Over 170 years long tradition (since March, 2nd 1844) - reputation in country and abroad**
- **Tertiary level of treating military insured people (60%) and civilians (40%) with the capacity of 1.132 beds**
- **25 operating rooms**
- **The MMA Medical Faculty, 400 medical experts per year attending various specializations**
- **Intensive international cooperation**





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Three Pillars Under the Same Roof

Treatment

Education

Scientific Research





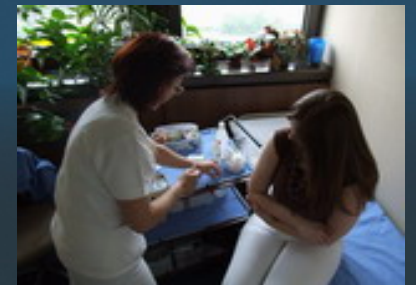
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Medical Treatment

- 27 clinics
- 17 institutes
- Emergency Department
- National Poison Control Center
- Solid Organ Transplantation Center
- Specialist Outpatient Clinic
- Section for Prevention and Control of Nosocomial Infections
- Sector for Preventive Medicine
- Dental Clinic
- Sector for Logistics
- Sector for Pharmacy





Medical Treatment

➤ Out-patient treatment

- ✓ Specialist Outpatient Clinic
(25 wards, 5 institutes,
11 functional diagnostics units)
- ✓ Emergency Department
- ✓ Center for Hyperbaric Medicine
- ✓ Dental Clinic

➤ In-patient treatment

- ✓ 12 internal clinics
- ✓ 11 surgical clinics
- ✓ 2 neuropsychiatric clinics
- ✓ National Poison Control Center
- ✓ Solid Organ Transplantation Center

The structure of the MMA's staff

Total number of 2570

- ✓ physicians 490
- ✓ dentists 42
- ✓ pharmacists 39
- ✓ nurses/medical technicians 1337
- ✓ other 662





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Medical Treatment in 2013 (statistics)

- **Out-patients: 421.667 (additional working hours 57.382)**
- **In-patients: 35.136 (24.147 civilians)**
- **Average length of hospital stay: 8.73 days**
- **Used bed capacity: 74.12%**

- **Surgeries: 34.313 (17.761 big surgeries)**
- **Mortality rate: 4.20%**





Medical Treatment at MMA Clinics and Institutes

Clinic for Neurology

- 1.771 patients
- Average length of stay: 7.03 days
- Stroke patients: 40%

Dental Clinic

- 74.246 patients

Institute of Radiology

- 178.571 diagnostic procedures

Institute of Medical Biochemistry

- 3.829.049 biochemical procedures

Center for Pathology and Forensic Medicine

- 16.401 biopsy lists
- 358 autopsy lists

Institute of Blood Transfusion and Hemobiology

- 16.538 voluntary blood donors - 8.600 l.
- 83 hematopoietic stem cell transplantations and 7 cell-based therapies for myocardial ischemia

Institute of Nuclear Medicine

- 7.128 methods and analysis





Medical Treatment in MMA Centers

Emergency Department

- 52.172 patients (33.772 civilians)
- Wednesday - round-the-clock work 24.790 (477 per day)

National Poison Control Center

- 4.199 examinations
- 18.891 toxicological and chemical analysis

Solid Organ Transplantation Center

- 20 kidney transplantations (10 cadaveric)
- 3 successful liver transplantations

Center for Clinical Pharmacology

- 31 requests for clinical analysis

Center for Hyperbaric Medicine

- 6.670 procedures





Main Results

- **Linear accelerator** designated for different kind of malignancies
- **Multislice computed tomography (MSCT) scan** for conformal radiotherapy of patients with malignant tumors has been installed and set in motion
- **Hyperbaric chamber** with a capacity 8 + 2 places - Oxygen therapy is applicable in following disorders: decompression sickness, gas embolism, gas gangrene, carbon monoxide poisoning, cerebral infarction posterior to its acute phase and the other diseases
- **Angio room** is intended to carry out intervene cardiovascular procedures for patients with acute decompensated heart failure
- **New postoperative intensive care unit at MMA**- expanded area of the MMA Clinic for Anesthesiology and Intensive Care
- **Computer network** with 1.200 ports for the implementation of health care information systems
- In 2009, **MMA Medical Faculty**, Belgrade Defence University, has passed the accreditation process. In 2013, the fifth class of cadets was enrolled





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Education

MMA Medical Faculty
Defence University



Level of education	Military	Civilian
	(per year)	(per year)
Studies of medicine (6 years)	20-50	/
Postgraduate studies (1 year)	10	10
PhD studies (3 years)	10	10

Military Medical Academy offers residency programs in the fields of medicine, dentistry and pharmacy





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Military Medical Training Center

Excellent training conditions



Located in separate building





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Continuous Medical Education



Lectures

Expert meetings

Seminaries

Symposiums

Workshops



In 2013, Serbian Health Council has accredited
249 continuous education programs within two terms



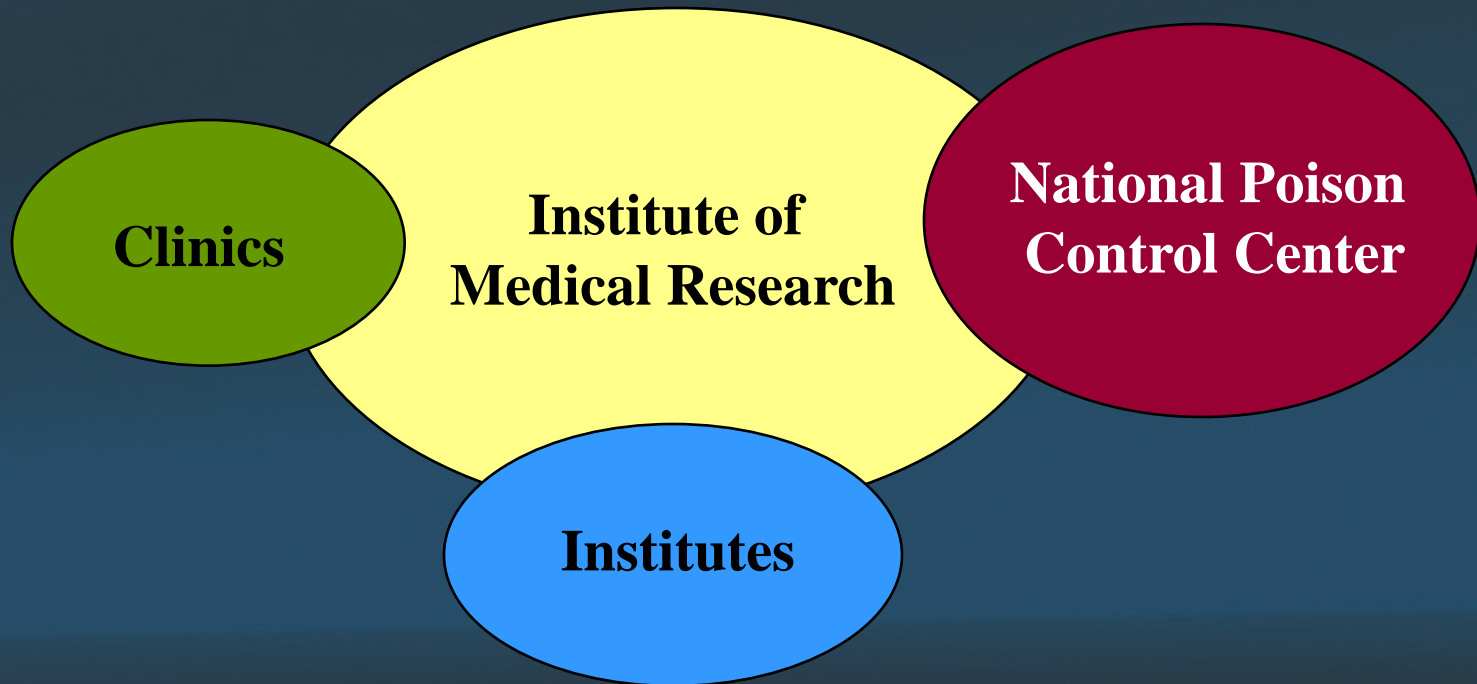


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Scientific-Research Work Organization





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Preconditions

Researchers

**>200 junior researchers
(physicians)**



Cooperation

**National and international
institutions**



Publications

**“Vojnosanitetski
pregled”**



SCIE





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International Cooperation

- **Military Medical Academy has very successful cooperative relations with over 40 countries, regional and international world organizations**
- **Peacekeeping operations**
- **Balkan Military Medical Committee (BMMC) has been organized in Serbia, in 2012**
- **3rd ICMM Pan European Congress of Military Medicine, Belgrade, Serbia, 2-6 June, 2014**





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Future Plans

- **Development and improvement of already existing and introduction of new treatment and diagnostic methods**
- **Continuous education of personnel in the country and abroad through numerous training and exchange programs**
- **Further improvement of national and international cooperation with leading civilian and military medical institutions**
- **Technological innovations**

