

Central Military Hospital, Prague

ANNUAL REPORT
for the year **2006**



ÚVN

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Motto of the hospital:

"Bonum aegroti suprema lex.

"Benefit of a patient is the supreme law".

1. Foreword by ÚVN Prague Director

Dear Madam, Dear Sir

Central Military Hospital (Czech abbreviation of Ústřední vojenská nemocnice – ÚVN), Prague, presents the annual report covering the year 2006. The same as other facilities of this kind, we consider that year highly demanding but successful.

In spite of some changes in the Czech health service, ÚVN Prague proved that it deserves being ranked among the top-class quality Czech medical facilities and important academic centres of the country.

I would like to use this opportunity to thank all the employees of the hospital, medical facilities which we are cooperating with for many years, Charles University medical faculties and Military Health Service Faculty of Defence University. Moreover, I would like to thank MOD department because, without its assistance, our hospital would not be able to operate on so high level as it has achieved till now. The MOD department helped us to implement many interesting project which contributed to the promotion of the level of the provided care, at the acquisition of new technologies and pieces of apparatus without which our surgeons would not be able to establish so exact diagnosis corresponding with scientific knowledge of up-to-date medicine.

During the year 2006, number of robotic operations considerably increased by means of da Vinci robotic system. Altogether, 167 operations were made by this unique apparatus in 2006.

Our hospital continues in reconstruction of the remaining old buildings. In 2006, we started reconstruction of pavilion XI, development of multifunctional operating theatre and long-stay-patient ward for war veterans.

In 2006, process of academisation of ÚVN Prague continued by establishing ENT clinics, joint workplace of our hospital and the 3rd Medical Faculty of Charles University in Prague. The hospital continues in cooperation with all the Prague medical faculties, with Defence University Faculty of Military Health Care and the Faculty of Physical Education and Sport of Charles University. ÚVN Prague is also a centre of specialized education. Practically all the clinical workplaces are accredited in accordance with the Act No. 95/2004 Coll.

Within the process of permanent readiness for Joint Commission International accreditation we are systematically gathering the data concerning the use in order to create international indicators of the quality of care. Our hospital was the first in the Czech Republic to start observing international safety targets and thus to ensure higher level of risk prevention for our clients. At the end of 2007, after three years, the reaccreditation process of JCI Commission will take place again.

Centre of gravity of the ÚVN Prague activities in the sphere of military medical care is the training of medical personnel for the missions abroad and crises situations. At the same time, we provide specialization training and education of young military surgeons.

All the success of the last year was achieved thanks to highly qualified and motivated workers of ÚVN Prague – both military and civilian employees. It is namely to their credit that our hospital entered the year 2007 as a successful and high quality institution.



Colonel Štefan Brunclík, MD
Director, ÚVN Prague



2. Characteristics of the organisation

Basic identification data

Name of the organisation:	Central Military Hospital, Prague
Location of the organisation:	U Vojenské nemocnice 1200, 169 02 Prague 6
Company Registration Number (CRN):	61383082
Promoter:	Ministry of Defence CR

A survey of essential activities

- Provision of curative and preventive health care including specialized and highly specialized diagnostic and curative care for the members of Czech Armed Forces and other persons on the level provided in Teaching Hospitals in the Czech Republic.
- Provision of highly specialized care for the wounded in Trauma Centrum established by the Ministry of Health of the Czech Republic.
- Participation in training and education of the students of Defence University Faculty of Military Health Care, for whom it serves as a teaching base, and for the students of civilian medical faculties and other universities providing education for medical personnel.
- Execution of research, development and other creative activities for the development and use of the results in the spheres of activity of military medical service; performance of projection, expert, advisory and specialised testing activity including verification, control and field tests in units.



Management of Central Military Hospital, Prague



Director
Col. Štefan Brunclík, MD



Deputy Director
Col. Petr Chmátal, MD, PhD
(since Aug. 1, 2006)



Deputy Director for Medical
and Preventive Care (MPC)
Ladislav Lednický, MD



Deputy Director for Economy
Jaroslava Němcová, M.Sc.



Deputy Director for Logistic
Col. GS Rudolf Plzák, M.Sc.



Deputy Director for Pharmacy
Col. Stanislav Suchánek, M. Pharm.



Chief of Peronnel and Administration Department
Maj. Zdeněk Brabec, M.Sc.



Chief Nurse
Lenka Gutová, BA

ÚVN Advisory Bodies and Boards

Advisory Board of the Director

ÚVN Drug Commission (DC)

Editorial Board of DC for positive letters

Effective Haemotherapy Commission

Nutrition Team

Health Care Quality Team

Podiatric Team

Nursing Care Quality Group

Decubitus Presence Monitoring Group

Health Care Quality Auditors Team

Education Specialists Team

Academic Council

Medical Review Commission

Ethic Commission

Nursing Care Research and development Team

Non-medical Professions Training and Education Team

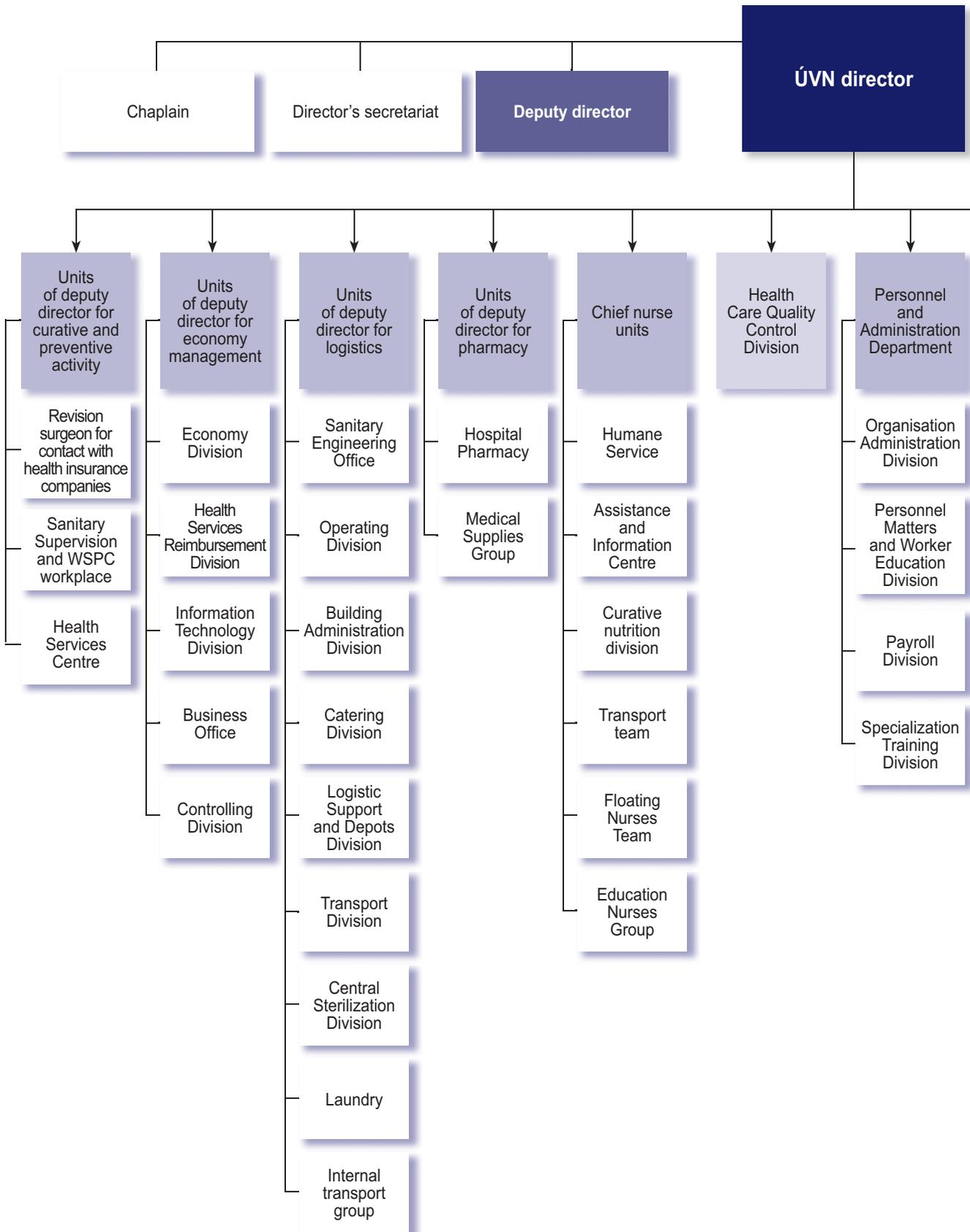
Work Safety and Protection Commission (WSPC) – examination and assessment of accidents and occupation diseases

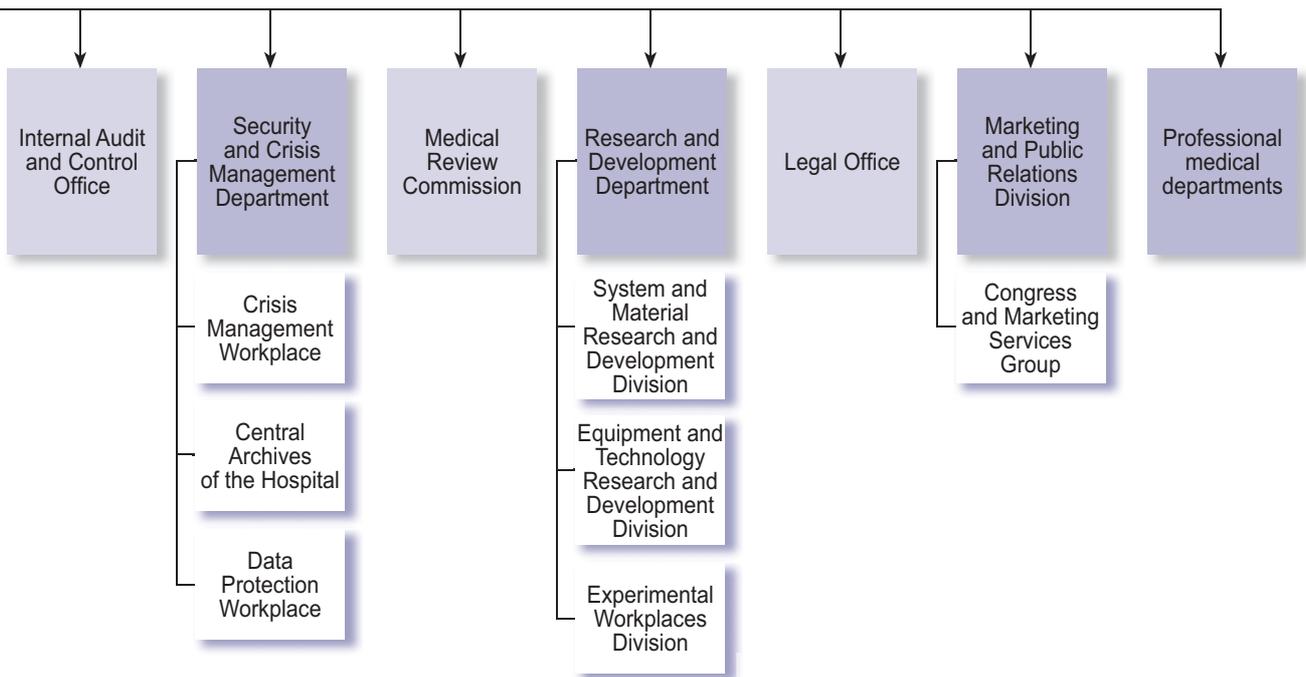
Discarding Commission

Claims Handling Commission

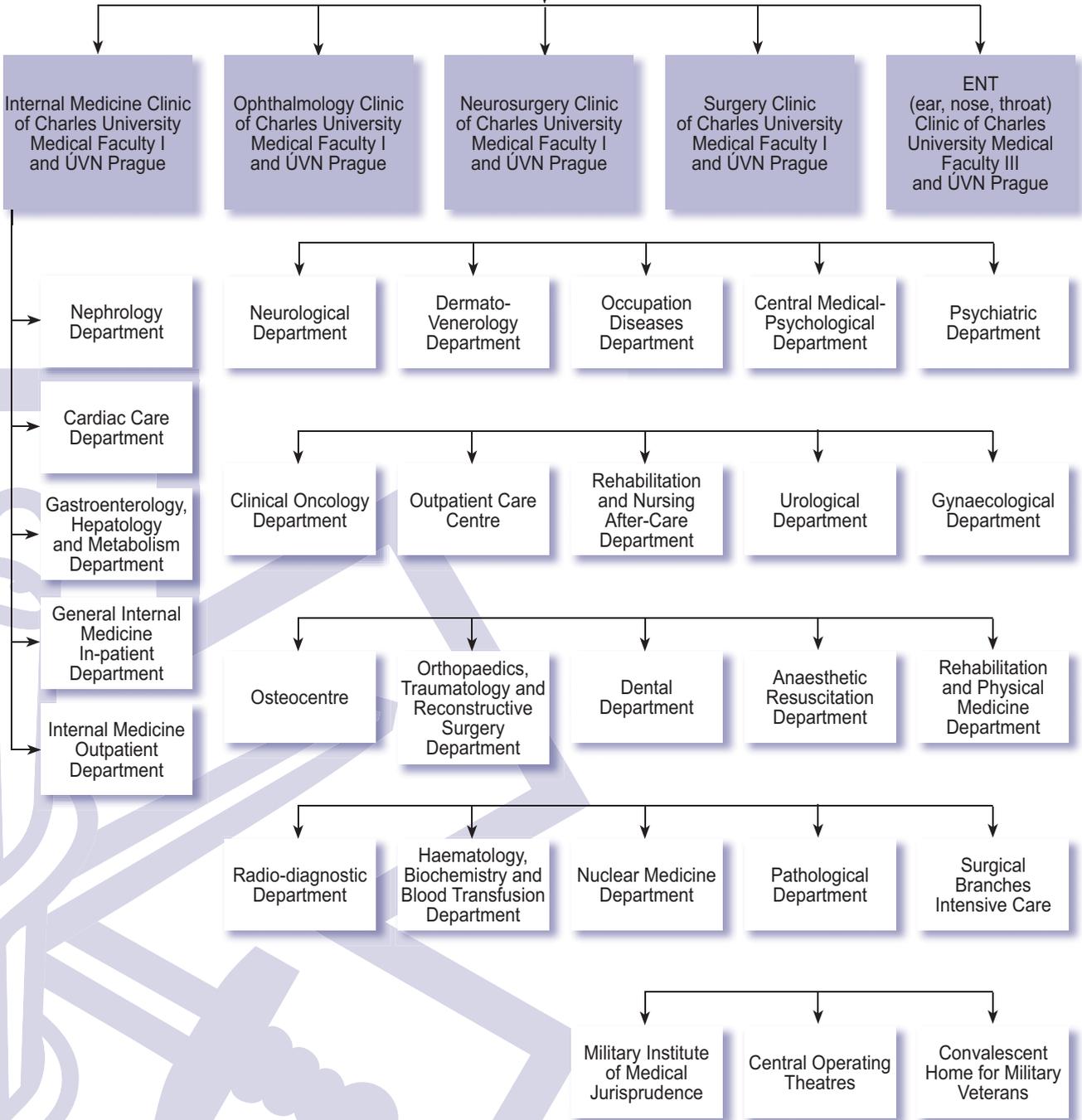


Organization chart ÚVN Prague





Professional medical departments



3. Report on the activities of the organisation

A) Curative and preventive care

Central Military Hospital is a facility of the Czech Armed Forces providing complete spectrum of health care with the exception of obstetrics, paediatrics and heart surgery. Isolation ward is temporarily out of operation. The hospital directs its attention to urgent states of surgical and internal medicine profiles and to the care of polytraumas (multiple injuries) including injuries of central nervous system.

In addition to the existing clinics within ÚVN Prague (neurological, internal medicine, ophthalmologic and surgery) we have added the ENT (ear, nose and throat) clinics of Charles University Medical Faculty III and ÚVN Prague. Chief of the Clinic is Col. Michal Navara, MD, PhD. The ENT Clinic is a complex workplace which is engaged in the whole spectrum of the ENT branch.



A survey of inpatient departments and number of beds:

Department	Beds in total	Out of the total number of beds			
		ICU	Standard	After-care	Out of operation
Anaesthesiology-Resuscitation Department	6	6			
Intensive Care Department of Surgical specializations	18	18			
Internal Medicine Clinic	121	12	109		
<i>out of it:</i> Gastroenterology	(43)	(5)	(38)		
Cardiology	(31)	(7)	(24)		
Nephrology	(15)	(15)			
General Internal Medicine	(32)	(32)			
Surgery Clinic	80	14	66		
Neurosurgery Clinic	52	10	42		
Orthopaedics, Traumatology and Reconstructive Surgery	81	5	76		
Urological Department	28	28			
Gynaecological Department	26	26			
Ophthalmology Clinic	25	25			
ENT Clinic	49	5	44		
Neurology Department	46	6	40		
Dermatology-Venerology Department	25	25			
Rehabilitation and Nursing After-care Department	42			42	
Psychiatric department	40	40			
IN TOTAL	684	76	521	42	45

Survey of outpatient departments:

Departments
Emergency and Accident Outpatient Dept
Dental Dept
Outpatient Health Care Centre
Rehabilitation and Physical Medicine Dept
Central Medical-Psychological Dept
Nuclear Medicine Dept
Clinical Oncology Department
Occupation Diseases Dept
Radio-diagnostic Dept

Survey of workplaces of the complement:

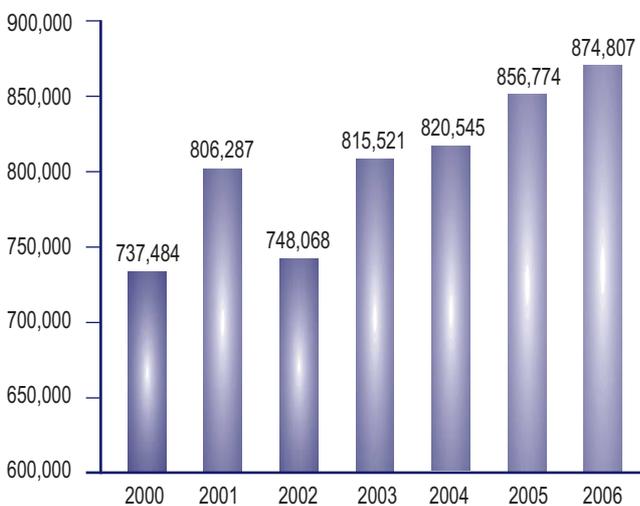
Departments
Central Operating Theatres
Sanitary Supervision and Labour Safety Workplace
Haematology, Biochemistry and Blood Transfusion Dept
Pathological-Anatomical Dept
Military Institute of Medical Jurisprudence
Central Sterilisation

Specialized centres (multispecialisation approach to problems):

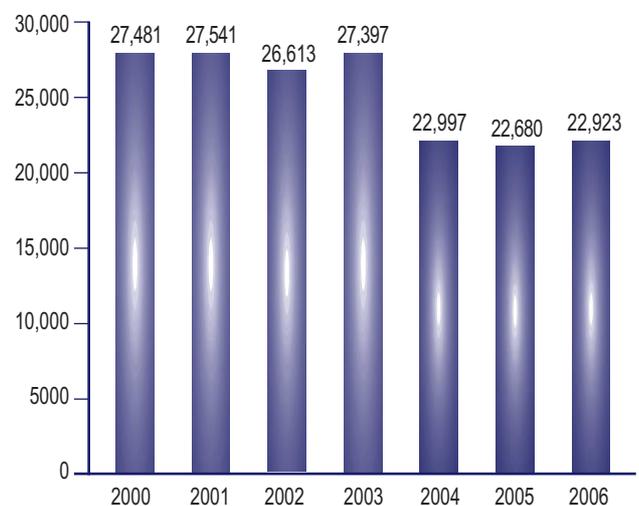
Traumatology Centre
Metabolism Disturbances (bones metabolisms) Centre
Neuro-radiology Centre
Invasion Cardiology Centre
Spinal Surgery Centre
Robotic Centre



Number of outpatients



Number of inpatients





Inpatient departments:

Internal Medicine Clinic of Charles University Medical Faculty and ÚVN Prague

Chief: Lt. Col. Miroslav Zavoral, MD, PhD

Cardiac Care Department

Senior Surgeon of the Department: Ivan Jeřábek, MD

Number of standard beds	24
Coronary ICU	7
Number of inpatients in 2006 (standard beds)	1,638
Number of inpatients in 2006 (ICU beds)	413

Number of some operations:

Cardiac pacemaker implantations	161
Catheterizations	1,189
Coronary interventions	476
Special surgeries (FFR, IVUS)	83
Transthoracic Echocardiography	3,840
Load-bearing ECHO	98
Transesophageal ECHO	170
Doppler, carotid examination, periphery	1,900

The Cardiac Care Department obtained accreditation of Ministry of Health of the Czech Republic. The tender concerning purchase of new angiographic apparatus for catheterization theatre entered final phase. Method of controlled hypothermia in case of the patients after resuscitation has been put in routine use.

The workplace participates in the training of students of the 4th and 6th year of the Charles University Medical Faculty I and the Defence University Faculty of Military Health Care

Nephrology Department

Senior Surgeon of the Department: Lt. Col. Karel Petrů, MD

Number of standard beds	15
Haemodialysis unit	6
Number of inpatients in 2006	615
Number of haemoelimination performances in 2006	2,950

The workplace organized study stays in nephrology specialization for the students of the 6th year of the Charles University Medical Faculty I. The department participates in pre-gradual training of the students of the 6th year of the Charles University Medical Faculty I in the branch of nephrology.

Gastroenterology, Hepatology and Metabolism Derangements Department

Senior Surgeon of the Department: Prof. Zdeněk Mareček, MD, PhD

Number of standard beds	38
Metabolic ICU	5
Number of inpatients in 2006 (standard beds)	1,767
Number of inpatients in 2006 (ICU beds)	278

Number of some operations

UPDT	2,154
Colonoscopy	1,780
EUS	335
ERCP	663
Hepatic biopsy	68
PTC	11
USG	1,555
Urgent surgeries out of working hours	156
pH of oesophagus	57 (since May 2006)
Manometry of oesophagus	76 (since May 2006)

The workplace was awarded accreditation for post-gradual education in the field of gastroenterology and diabetology. Within international cooperation, the workplace established cooperation with International Digestive Cancer Alliance (IDCA). The cooperation will include participation of the clinic in multicentric studies investigating the effectiveness of screening of colorectal carcinoma.

The workplace of gastroenterology sub-chair organised an obligatory course prior to obtaining attestation from gastroenterology. We have given to print a new textbook of gastroenterology of a collective of authors headed by Lt. Col. Miroslav Zavoral, MD, PhD for a common post gradual internal trunk in accordance with the new educational concept. Moreover, we organised regular lessons for the students of the 5th year of the Charles University Medical Faculty I and the training before final state examination for the 6th year students of Charles University Medical Faculty I. The students and trainees have the possibility to use the colonoscopy training simulator at the workplace.

Ass. F. Závada, MD, M.Sc., and Ass. Minariková, MD, have defended the thesis and were awarded PhD titles.

Prof. Z. Mareček, DrSc., obtained honourable membership in the Slovak Hepatology Association.

General Internal Medicine In-patient Department

Senior Surgeon of the Department: Ilja Kotík, MD

Number of beds	32
Number of inpatients in 2006	1,028

The workplace organized three international studies (CORONA, ACTIVE, SCOUT).



Internal Medicine Outpatient Department

Senior Surgeon of the Department: Lt. Col. Petr Krejčí, MD

Number of patients in 2006	60,654
<i>Out of it:</i>	
Internal Medicine Outpatients' Department	16,938
Functional Diagnostics Outpatients' Department	8,436
Physical Education Medicine Outpatients' Department	130
Endocrinology Outpatients' Department	8,662
Gastroenterology Outpatients' Department	4,420
Hepatology Outpatients' Department	2,439
TB and Respiratory Diseases Outpatients' Department	1,027
Contagious Diseases Outpatients' Department	357
Nephrology Outpatients' Department	1,868
Cardiology Outpatients' Department	10,840
Diabetology Outpatients' Department	3,534
Angiology Outpatients' Department	1,865
Nutritional disorders Outpatients' Department	138

Number of operations

Ergometric examination	1,403
Spirometric examination	3,359
Bodytest	1,320
Holter monitoring	1,068
Blood pressure monitoring	1,041
Thyroid gland US (ultra-sound)	2,172
Abdomen US	432
Paracentesis thyroid gland	157
Infusion pulse therapy	15
Hepatic biopsy	14

Surgery Clinic of Charles University Medical Faculty II and ÚVN Prague

Chief: Lt. Col. Prof. Miroslav Ryska, MD, PhD

Number of beds	80
Number of inpatients in 2006	4,740
Number of outpatients in 2006	23,712
Number of operations in 2006	2,146

Number of individual operations

Acute surgeries including polytraumas	415
Vascular surgeries (except of varicose veins)	82
Varicose veins	142
Gastrectomy	77
Enerontomy	40
Colectomy	252
Appendicotomy	72
Hepatectomy and choledochectomy	142
Pancreatotomy	69
Cholecystectomy	367
Thyroidectomy	134
Herniotomy	308
Mastectomy	159
Amputation surgery on lower limbs	28
Sternotomy	8

Percentage of vascular surgeries considerably increased in the year 2006. We have started with the robotic abdominal surgery with da Vinci system. In 2006, the clinic began with laparoscopic surgeries when the treatment of the critically obese patient includes application of a special bandage on his stomach.

This surgery is applied in case if the patient's BMI is higher than 35, his previous conservative treatment failed and he has to pass through a series of examinations necessary for recommendation of this surgery.

The clinic obtained accreditation for attestation of higher level for the field of surgery. F. Bělina, MD, M.Sc. successfully defended his inaugural dissertation and was awarded the title of Assistant Professor in the specialization of Surgery. We continued in pre-gradual training of the students of Charles University Medical Faculty II and the Faculty of Physical Education and Sport and in post-gradual training of surgeons and gastroenterologists within the Institute of Post-gradual Education in Health Service.

The clinic cooperated in scientific projects of the Centre of Cellular Therapy and Tissue Substitutions and solved the scientific projects within grants.

In 2006, the Surgery Clinic organized two large congressional actions – 14th Spring Session of the Czech HPB Surgery Association in Loket by Karlovy Vary (April 7, 2006) and the conference titled Complex Approach to the Treatment of Hepatic Metastases of Colorectal Carcinoma (Nov. 3, 2006).



Neurosurgical Clinic of Charles University Medical Faculty I and ÚVN Prague.

Chief: Col. Prof. Vladimír Beneš, MD, DrSc.

Number of beds	52
Number of inpatients in 2006	2,504
Number of surgeries in 2006	2,314
Number of outpatient examinations and consultations in 2006	6,016



After arrival of the new spondylo-surgeon we have started with a complex spondylo-surgical care. This activity complemented the whole spectrum of neurosurgical care corresponding with the clinical workplaces of European standard. In March 2006, the clinic organized regular congress titled "Kunc's Memorial" the main topic of which was Ischemia of Brain. In cooperation with the remaining departments of ÚVN Prague the clinic provides Cerebral-vascular seminars. The clinic participated in a number of international studies e.g. COVANCE (study of glioblastoms), ARUBA (international study of non-broken AVM) and S.T.I.C.H (intracranial bleeding). In 2006, it organized a regular pre-gradual training of the students of Charles University Medical Faculty I and post-gradual training of the students of the Institute of Post-gradual Education in Health Service in the sphere of neurosurgery.



Ophthalmology Clinic of Charles University Medical Faculty I and ÚVN Prague

Chief: Col. Ass. Prof. Jiří Pašta, MD, PhD

The Ophthalmology Clinic provides the care within the whole spectrum of the ophthalmology for adults. In microsurgery, the clinic is specialized on cataract, glaucoma, corneal grafting, vitreal and retinal surgery and plastic surgery. The Ophthalmology Clinic is an important scientific and educational ophthalmology centre. In cooperation with the Department of Stereo-tactic and Radiation Neurosurgery of the hospital Na Homolce it participates in two pilot studies supported by the Elekta Instrument AB internal grant aimed at the use of Leksell gamma-knife and at glaucoma treatment.

In 2006, it executed 2,809 surgeries in total. Majority of the surgeries covered cataract, retinal surgery and the surgeries connected with the treatment of injuries and reconstruction surgeries.

Number of beds	25
Number of inpatients in 2006	1,902
Number of surgeries in 2006	2,809

Important activities organized by the workplace

- January 28–29, 2006 Live and Video Surgery – ÚVN Prague
- June 29, 2006 Presentation of Refractive and Laser Centre of the Ophthalmology Clinic of Charles University Medical Faculty I and ÚVN Prague – ÚVN Prague
- Sept. 2006 National Congress of prospective customer in imaging technology – Č. Krumlov
- November 24–25, 2006 Organization of the 6th Congress of Czech Vitreoretinal Society in Průhonice
- Dec. 2, 2006 National Seminar of Ophthalmology Nurses – ÚVN Prague
- Interactive meetings with a voting apparatus “What do you say, colleagues?” (Prague, Brno, Plzen)
- 1x monthly clinical seminars for wider ophthalmologic society
- 1x weekly seminars for the employees of the Clinic

Anaesthetic-Resuscitation Department

Chief Surgeon: Lt. Col. Božetěch Jurenka, MD

Number of RES beds	6
Number of beds – in-sleeping ward	10
Number of inpatients at RES in 2006	160
Number of anaesthetic surgeries in 2006	10,463
Number of patients at in-sleeping ward in 2006	4,269
Number of patients in anaesthetic centre in 2006	637



The workplace organized lectures in neuro-anaesthetics within post-gradual preparation of surgeons for AR attestation and, moreover, training of military anaesthesiologists and nurses for the work in field hospital. The workplace continued in providing urgent resuscitation within the area of ÚVN Prague.



Surgical Branches Intensive Care Department

Chief Surgeon: Col. Zbyněk Fuksa, MD

Number of beds	18
Number of inpatients in 2006	632
Number of polytraumas	72

Comparing with the preceding year, the number of accepted polytraumas increased in the year 2006. The workplace disposed of two wards, each having ten beds (ICU A + ICU B) furnished with all monitoring and ventilation equipment and a separate two-bed room with complete monitoring for temporary hospitalization as a part of an acute admission. Surgeons of the department provided regular schooling of all the employees of ÚVN Prague in cardio-pulmonary resuscitation according to accreditation standards.

Orthopedical, Traumatological a Reconstructive Surgery Department
Chief Surgeon: Col. Jiří Fousek, MD, PhD

Number of beds	81
Number of inpatients in 2006	3,567
Number of surgeries in 2006	4,431
Number of outpatient's examinations in 2006	41,268

Number of individual operations

End prosthetics	519
Arthroscopy	664
Traumatology	574
General orthopaedic surgeries	630
Dental surgery	1,202
Plastic surgery	842

In 2006, the workplace continued in modern trends in orthopaedics and traumatology – mini-invasive TEP coxa surgeries, navigated surgeries and mini-invasive ways in traumatology. The department organized regular lessons for the students of physiotherapy of the Physical Education and Sport Faculty and pre-gradual and post-gradual training of the students of Defence University Faculty of Military Health Service. The workplace is engaged in the grant concerning Optimisation of Selection of Metallic Biomaterials from the Viewpoint of Composition, Properties, Service Life and Secondary Health Hazards.





Urological Department

Chief Surgeon: Col. Oto Köhler, MD, PhD

Number of beds	28
Number of inpatients in 2006	1,408
Number of surgeries in 2006	1,176
Number of outpatients in 2006	14,651

Structure of operations

Minimum invasive operations	1,001
Open operations	89
SWL	162

In the course of the year 2006, we enlarged namely the operative by means of the da Vinci robotic system. In November 2006, the workplace organized a conference on robotic urology with live transmission of the operation. Research programmes of the workplace were aimed at the following areas: laser, urodynamics, concretion breaking, etc. Regular lessons of the students of Charles University Medical Faculty 1 were also going on.

Gynaecologic Department

Chief Surgeon: Hana Kašpárková, MD

Number of beds	26
Number of inpatients in 2006	1,150
Number of surgeries in 2006	1,023
Number of outpatients in 2006	6,263

Reception room of the gynaecologic outpatient department was reconstructed in the course of the year. After arrival of new urogynaecologist, the urogynaecologic outpatient department started operation. The operation on da Vinci robotic system was also extended. The workplace organized a conference of gynaecologic-obstetric section at Czech Nurses Association devoted to myoma problems (treatment, robotic operations).

ENT (eye-nose-throat) Department

Chief Surgeon: Col. Michal Navara, MD, PhD

Number of beds	49
Number of inpatients in 2006	1,874
Number of surgeries in 2006	1,173
Number of outpatients in 2006	26,970



In September 2006, the workplace became ENT Clinic of Charles University Medical Faculty III and ÚVN Prague. It organized regular lessons for the students of Charles University Medical Faculty II and III. The workplace is a bearer of the grant titled "Immune and Inflammatory Mechanisms in Pathogenesis of Nasal Polypus"

The Clinic held a seminar titled "Střešovice Spring" completed by a live surgery and, in autumn, it organized 41st Workshop of Military Otolaryngology Specialists with national, international and interdisciplinary attendance.



Neurology Department

Chief Surgeon: Col. Jaroslav Elis, MD

Number of beds	46
Number of inpatients in 2006	1,383
Number of outpatients in 2006	18,567

The workplace provided regular lessons for the students of Charles University Faculty of Physical education and Sport in the field of physiotherapy.

Dermato-venerology Department

Chief Surgeon: Lt. Col. Jaroslav Hoffmann, MD

Number of beds	25
Number of inpatients in 2006	412
Number of dermato-surgical operations in 2006	1,603
Number of outpatients in 2006	8,350

The workplace participated in three clinical studies. It provided practical lessons for the students of Charles University Medical Faculty III. In May 2006, the workplace was engaged in the preventive action titled "Melanoma Day" when those interested could have examined their birthmarks and it organized preventively aimed seminar for the ÚVN Prague employees.

Rehabilitation and Nursing After-care Department

Chief Surgeon: Martin Papáč, MD

Number of beds	42
Number of inpatients in 2006	244

In the course of the year 2006, the workplace was temporarily located in B building. It provided regular lessons for the students of Charles University Medical faculty III in the school subject called "communication with patient" and regular lessons for the Faculty of Physical Education and Sport.

Psychiatric Department

Chief Surgeon: Lt. Col. Vlastimil Tichý, MD

Number of beds	40
Number of inpatients in 2006	442
Number of outpatients in 2006	10,707

In biological treatment they applied complete index of psychopharmacological agents including the newest neuroleptic and antidepressant drugs in the indicated cases. In cooperation with ARD, they have used electro-convulsive treatment in the indicated cases. Detoxication stays have also been applied. In the course of the year, the outpatient's care involved systematic after-treatment of psychotic status, prophylactic treatment of affective disorders in an advisory centre for depressions, outpatient's treatment of alcoholism and toxicomania, functional sexological failures and psychosomatic disorders.

The Department provided practical lessons for the medical students of Charles University Medical Faculty II, Prague.





Outpatient's Departments

Dental Department

Chief Surgeon: Lubor Daněk, MD

Number of treated patients in 2006	4,819
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The year 2006 passed without considerable changes at this workplace.

Outpatient Care Centre

Chief Surgeon: Col. Ladislav Krajčí, MD, PhD

Number of outpatient's examinations by general practitioners in 2006	10,400
Number of outpatient's examinations by internists in 2006	10,100

The Centre obtained accreditation for post-gradual training in General Medicine. The workplace is engaged in international clinical research of new medicaments.

Rehabilitation and Physical Medicine Department

Chief Surgeon: Petr Horka, MD

Number of operations in 2006 – surgeons	21,828
Number of operations in 2006 – physiotherapists	191,764

The workplace provided a hands-on training for the students of the Faculty of Physical Education and Sport and the 1st and 3rd-year students of Charles University Medical Faculty.

The department has one certified instructor of McKenzie Method in the Czech Republic. At the end of the year, the department held competition concerning the new Chief Surgeon of the Department. Workers of the department regularly participated in educational activities within the workplace and out of it.



Radio-diagnostic Department

Chief Surgeon: Col. František Charvát, MD, PhD

Number of examinations in 2006	163,628
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Structure of the examinations:

Radiographic examinations	83,827
Mammographic examinations	4,597
Radioscopic-radiographic examinations	4,684
Angiographic examinations	9,405
US examinations	19,915
CT examinations	16,384
MR examinations	12,406
Intervention operations	3,332
Others	9,073

In 2006, the department acquired and installed new SOMATOM Sensation multi-detecting CT apparatus. In addition to the standard CT examinations and polytraumatic examinations in very short time and in very high resolution, the apparatus is able to perform even the most highly demanding CT operations as e.g. angiography, all the interventions in actual time under CT control - needle biopsy, abscess and cyst drainage, facet denervation, periradicular therapy, chemical sympathectomy, thermal degradation of pathological nidus in the liver (RFA), virtual CT colography and vertebroplastics to consolidate the vertebra body by special cement. The SOMATOM Sensation is able to considerably reduce total time of the examination. Classical examination of abdomen and pelvis minor lasts about 15 seconds which enables very detailed display of vascular runway and structures of the examined areas. The SOMATOM Sensation has a wide field in the sphere of post-processing which enables reconstruction of examination in all the three planes and, at the same time, execution of 3D reconstructions of the examined organs and vessels by Leonardo evaluation workplace. Further development of the intervention procedures continued in the course of the year, namely in case of neuroradiology, myoma embolisation and implantation of ports in case of oncology patients.



Central Medical-Psychological Department**Chief Surgeon: Lt. Col. Jiří Klöse, MA**

Expertise section (applicants for career soldier service, drivers, bomb disposal officers, travels abroad) – Number of examinations	13,663
Clinical section – number of patients	1,005

Number of consultation examinations considerably increased in the course of the year. The workplace established a support group for the patients with laparoscopic bandage of stomach.

The department purchased EEG biofeedback apparatus. The workplace is a bearer of grant aimed at managing of stress in military missions abroad.

Clinical Oncology Department**Chief Surgeon: Lt. Col. Petr Cinek, MD**

Number of beds of stationary ward	4
Number of operations – application of oncotherapy in 2006	1,215
Number of outpatient's visits in 2006	11,915
Number of newly admitted patients to accident dispensary and treatment in 2006	231

The workplace provided the accident dispensary service and oncological supporting treatment with the exception of radiotherapy and hospitalization. The Clinical Oncology Department became a part of the Complex Oncological Centre where it joins the University College Hospital (UCH) Motol and Hospital Na Homolce.

Nuclear Medicine Department**Chief Surgeon: Jitka Svobodová, MD**

Number of examinations by gamma-cameras in 2006	4,500
Number of examinations in RIA laboratory in 2006	67,070

The year 2006 passed without considerable changes at the workplace. Relatively higher interest was shown in load dependent scintigraphy of myocardium. Consulting centre aimed at diagnostics of pain and oedema of low limbs had satisfactory terms of order.

Occupation Diseases Department**Chief Surgeon: Lt. Col. Josef Pavel, MD**

Number of examinations in 2006	6,275
<i>Out of it:</i> workers in risk	3,294
Soldiers before departure abroad	1,524
Soldiers after arrival at home	1,457

The workplace participated in the training of the surgeons of general dispensaries in the problems of occupational medicine.



Complement workplaces:

Central Operating Theatres

Chief Surgeon: Jan Rudiš, MD

Number of operations in 2006	9,696
Number of robotic operations	184

The workplace disposed of 11 operating theatres. Operating theatre No. 11 was used as laparoscopic educational hall for urology and surgery. Number of robotic operations by the help of da Vinci system was growing in urology, gynaecology and abdominal surgery during the year.

Haematology, Biochemistry and Blood Transfusion Department

Chief Surgeon: Lt. Col. Miloš Bohoněk, MD

Number of examinations in 2006 – haematology laboratory	141,180
Number of examinations in 2006 – biochemistry laboratory	1,247,078
Number of examinations in 2006 – blood storage	47,945
Blood taking and processing	9,933

The workplace elaborated and prepared for publication the results of research project of Ministry of Defence of the Czech Republic titled “Cryo-conservation of Erythrocytes – Strategic Blood Bank”. On the basis of scenario of so called national blood policy during crises, the Haematology, Biochemistry and Blood Transfusion Department workplace performs the role of so called central information and logistic centre. In 2006, the workplace established cooperation with Masaryk Municipal Hospital in Jilemnice concerning taking over the Blood Transfusion Service in former district of Semily.



Pathological-Anatomical Department

Chief Surgeon: Col. Petr Hrabal, MD

Number of autopsies in 2006	206
Number of bioptic examinations in 2006	7,609

The department provided the necroptic and namely bioptic diagnostics for the needs of ÚVN Prague. Its surgeons, in cooperation with clinical workplaces, provided weekly bioptic seminars.

Military Institute of Medical Jurisprudence

Chief Surgeon: Col. Miloš Sokol, MD, PhD

Number of autopsies in 2006	260
Number of autopsies of the died at air accidents in 2006	12
Number of histological examinations in 2006	3,675
Number of serological examinations in 2006	42
Number of tests for alcohol	243

The Chief Surgeon of the Department defended the thesis and was elected to the Committee of Forensic Medicine and Toxicology of the Czech Medical Association (ČLS). Headed by the chief surgeon, the workplace participated in the research task of the Ministry of Interior of the Czech Republic titled "Formation of Structure of Mass Accident Identification Team". Assessment activity has been maintained on a high level.

Medical Review Board

Chairman of Medical Review Board, ÚVN Prague: Col. Jiří Pilař, MD

Number of medical board proceedings in 2006	214
Number of medical certificates in 2006	2,118
Number of examinations for other departments in 2006	241

The Medical Review Board provides assessment of health of the active service soldiers, including the evaluation of the increased demands upon some specifications in the Czech Armed Forces. Moreover, it organizes and validates the examinations by issuing an assessment for the applicants for accession to the Czech Armed Forces, including the applicants for study at military schools. In 2006, Medical Service Command put an emphasis on the promotion of quality of the military assessment activity. The workplace began to execute study stays of the surgeons – soldiers at post-gradual training aimed at practical assessment activity which are conditions for promotion of the health assessment of the Czech Armed Forces members. After disbanding the Military Hospital in Plzen, the "assessment activity" of ÚVN Prague considerably increased.

Sanitary Supervision Division and Work Safety and Protection Commission (WSPC)

The division provides activities for the following spheres: WSPC, hospital hygiene – checking, epidemics countermeasures in case of infection diseases, nosocomial infection surveillance and quality and education indicators. Yearly inspection of WSPC was executed in the period from November 6 to 8, 2006 and from November 27 to 29, 2006. In the sphere of hospital hygiene in 2006, we made 152 current checks aimed at observation of the principles of hygienic

and anti-epidemic regime connected with the checking of environment quality by means of bacteriological scrapings. We have made 1,836 bacteriological scrapings in most of the hospital wards; 43% of them with negative cultivation finding, 1.1% with pathogenic finding, 3.6% with conditioned pathogenic micro flora and 51.4% with other micro flora finding. We have made 356 impressions within the checking aimed at the compliance of medical personnel concerning hands hygiene in total.

In connection with distribution of infection diseases (salmonellosis, CJ, TB, viral hepatitis) and multi-resistant steams (MRSA), we have made 82 epidemiological studies with the follow-up checking of the prescribed epidemic countermeasures.

The division maintains register of patients with positive MRSA finding. In 2006, the hospital recorded MRSA capture in 59 patients.

Epidemiologist of the hospital participates in the development of the Czech Republic's Register of Nosocominal Infections (at the Health Care Department of Ministry of Health of the Czech Republic). Since January, the register includes 8 hospitals, including ÚVN Prague, which monitor the infection of blood bed.

Central Sterilization Division

The Central Sterilisation Division provides non-stop services for major part of professional hospital Departments. Operationally, it is divided into sterilisation proper, bed- adjustment shop and sanitary and medical material stores. The workplace is equipped with 3 set-off washing and disinfection automatic machines and pulse sonic washer of the robotic armamentarium for pre-sterilization preparation. The sterilisation is made in 3 steam, 2 plasma and 1 ethylene oxide sterilization apparatus. The steam sterilization is most often used way. Low-temperature sterilization experienced a drop in the year 2006. It reflected the observation of legislative requirements in this area.

In addition to its routine activity, the bed-adjustment shop provides one of the epidemic countermeasures to minimize the risk of infection occurrence in the place of surgery operation – decontamination and changing of the bedclothes of the patients that are operated in central operating theatres. In 2006, they washed and changed about 800 bedclothes monthly.

The area of bed-adjustment shop serves also for a depot of the active anti-decubitus system (AAS) which serves for the needs of the departments so that each patient with the risk of decubitus occurrence is laid on the mattress corresponding with the determined risk during hospitalization.

The division provides all-hospital store of one-time operational coverage, gown, single-use clothes and other sterile and non-sterile sanitary and medical material including its issuing to individual customers.

The division is used for practical part of the training of educational centre for plasma sterilization in Sterrad systems – for the Czech Republic and Europe. Its workers deliver lectures in the theoretical part of the course. In 2006, we organized 13 courses attended by 131 persons.

Workers of the division actively participate in specialized lectures and conceptual activity of the Czech Association for Sterilization.

Thanks to its technological equipment and professional knowledge of its workers, the division represents one of the Czech Republic's guarantors of the profession for the workers of central sterilizations.





B) Nursing Care

There were totally 1,039 workers employed in the sphere of non-physician medical professions in the year 2006

General nurse	705
Nutrition therapist	6
Physiotherapist	31
Humane Service	2
Rescuer	1
Assistant of hygiene service	3
Medical laboratory technician	35
Dispensing technician	9
Radiological technician	34
Dental technician/Suture nurse	7
Laboratory worker	0
Other specialist	11
In total	844

Junior medical workers

Nurse	18
Nurse's aid	177
In total	195

Education

Secondary school + special courses	235
ARIP	70
Advanced vocational training	154
Bachelor's degree	40
Master's degree	22

The activity proceeded from the concept of non-physician medical professions of ÚVN Prague and consistently from the Plan concerning promotion of quality of care in the year 2006. The following multidisciplinary teams were working in the hospital within the program of quality of care:

- Nursing Care Quality Group
- Decubitus Presence Monitoring Group and Care for Risky Patients
- Education Specialists Group
- Nursing Care Quality Auditor's Team
- Team for Training and Education of Non-physician Medical Professions
- Team of Research and Development in Nursing Care

There were 9 educational all-hospital courses for non-physicians and 3 courses for junior medical workers organized within long-life education.

- Nurse in the Year 2006/V – “We change the role of nurses”, nationwide teleconference in cooperation with General University College Hospital and Czech Nurses Association.
- Nationwide conference titled “Care for Handicapped in Medical Facilities” is organized by ÚVN Prague, National Council of Handicapped Persons of the Czech Republic and Czech Nurses Association.
- Training and lectures in specialized courses for external applicants continued – An offer: see – www.uvn.cz – vzdělávání (education).

C) Health Care Quality Control in ÚVN Prague

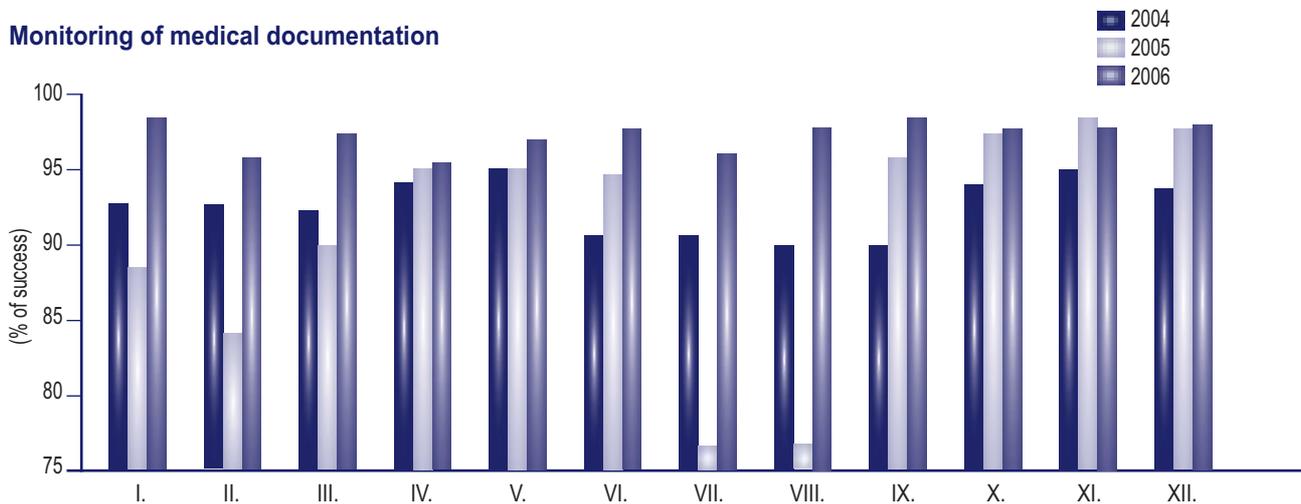
There were a number of educational activities and short-term paid attachments aimed at the sphere of the health care quality control in a medical facility organized by the hospital in the course of the year. Workers of the division also participated in methodological assistance to the external workplaces interested in the system of quality introduced in ÚVN Prague (Ústí nad Labem, Pardubice, Brno and others).

We have started the process of preparation of the ÚVN Prague for reaccreditation by Joint Commission International (regular all-hospital seminars, 10+1 degree to accreditation). Preparation for the accreditation included introduction of new system of execution of audits of individual workplaces. In May 2006, we held the course titled "Communication with Patient" intended for the surgeons being prepared for attestation and new workers of non-medical professions.

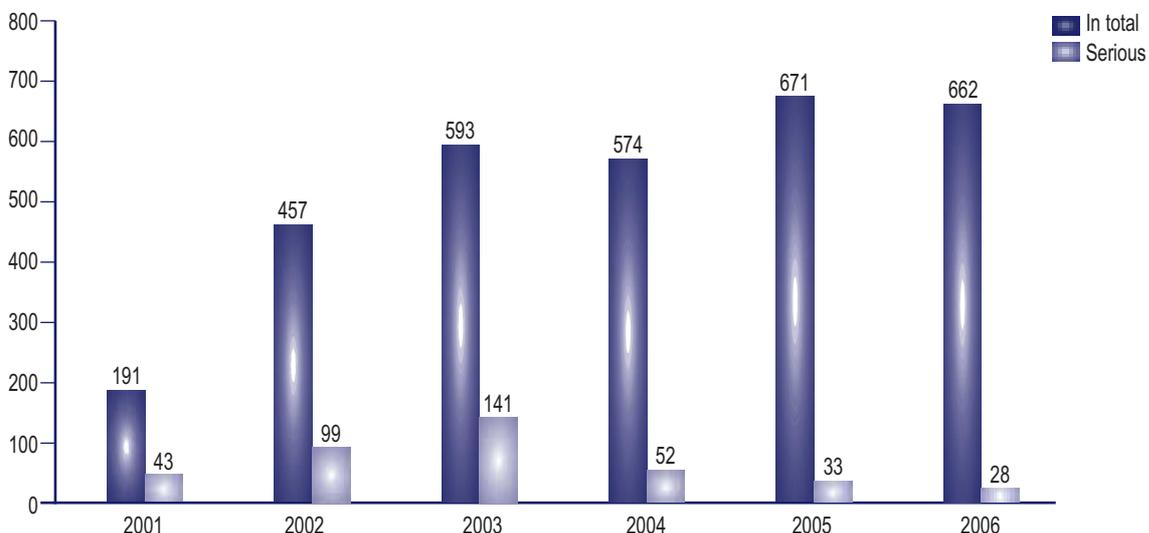
Since the beginning of the year 2006, ÚVN Prague joined the monitoring of international quality of indicators JCI in the sphere of clinical care (treatment of acute myocardial infarction and cardiac failure) and in performing international security targets JCI (Confusion of side, organ or patient; safety visits).

Monitoring of the introduced indicators of the quality of care during the whole year – the graphs present the results of monitoring of the quality of a closed medical documentation and occurrence of accidents in ÚVN Prague.

Monitoring of medical documentation



Accidents





D) Pharmacy

The Pharmacy Department was oriented namely on the provision of targeted dispensary care for patients and high quality service for the hospital departments of ÚVN Prague. The hospital pharmacy provided all the pharmaceutical service including individual drugs not-registered in the Czech Republic. Purchase and selection of pharmaceuticals for hospital department was based on the principle of positive lists of ÚVN Prague and observation of generic substitution. The pharmacy participated in the preparation of samples for clinical studies (adjustment, blinding) and, from September 2006, it participated in multicentric study checking the effectiveness and safety of genetic therapy at the treatment of the patients with operable glioma of high degree of malignancy (4 patients).

For the public, the pharmacy aimed its attention at dispensing and targeted education of the patients who need drug consultancy (oncology patients). The pharmacy, as an integrated part of the hospital, performed the tasks of information and control and provided services for other facilities as well.

There were 2003 dilutions of cytotoxic pharmaceuticals made in the year 2006.

Receipts for pharmaceuticals and sanitary goods

Receipts from Health Insurance Companies:	78,811,190 CZK
Receipts from supplementary payments by patients:	5,224,100 CZK
Receipts from free sale:	7,095,127 CZK
Number of prescriptions:	85,689 pieces
Number of orders for Health Insurance Companies:	6,733 pieces



E) Chaplains

Care of chaplains for the patient in ÚVN Prague, as well as in other hospitals in the Czech Republic always existed and worked. However, the chaplain of any church was never a part of medical team as it happened in ÚVN Prague beginning by January 2006. Presence of chaplain in ÚVN Prague is connected with the obtained accreditation, interest of command in this service and support of the Czech Armed Forces as the first chaplain of ÚVN Prague is a military chaplain.

Major Pavel Ruml, MA, civilian pastor of Czech Brethren Protestant Church, became the first chaplain here. He could continue in the work of the external chaplains of ÚVN, especially Roman Catholic parish priest J. Khol from Břevnov monastery and Protestant pastor P. Pokorný from Střešovice. Priest Khol celebrated mass in local chapel each Monday for many years. Last year, we noticed higher attendance of the patients and the people from neighbourhood of the ÚVN Prague at the mess. This regular celebration is very discreet, not appreciated duly, but important.

Moreover, the mentioned pastors/priests acted as chaplain in the period of his absence and made a lot of and, in many cases, urgent visits to the patients. Presence of the chaplain himself at the departments, at the sessions and meeting with personnel helped in presentation and explanation of his service so that, comparing with the 11 visits to the patients in February 2006, there were as many as 61 requested visits in November and 29 visits during the second week in January 2007. Altogether, there were about 350 visits to the patients upon their request.

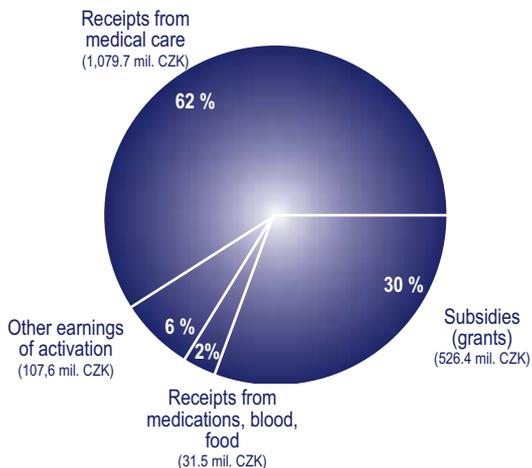
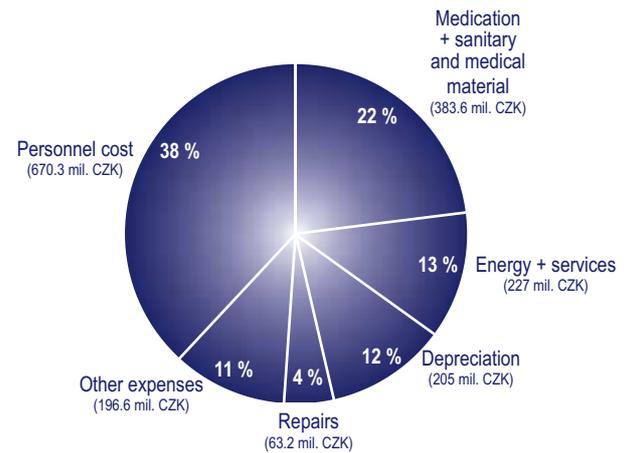
In 2007, we shall distribute leaflets informing about this service at all departments, to the benefit of both the patients and personnel.

F) Economy

In 2006, the hospital achieved better results in the sphere of receipts from medical care than in previous year. In spite of that, in connection with the radical changes of outer economic conditions, the year 2006 was highly demanding from the viewpoint of routine operation financing.

Structure of expenses in 2006

Kind of the expenses	Share in %
Personnel cost (gross pay, insurance, welfare, dwelling allowance, recruiting allowance)	38 %
Medication + sanitary and medical material	22 %
Energy + services	13 %
Depreciation of long-term immobile and mobile assets	12 %
Repair and maintenance	4 %
Other expenses (sold goods, other material, travel expenses, training, deficiencies, bank fees, insurance tax)	11 %



Structure of earnings in 2006

Kind of earning	Share in %
Receipts for medical care (Insurance Companies + cash payment)	62 %
Subsidies (grants)	30 %
Receipts from medications, blood, food, other goods	2 %
Other earnings of activation, Excimer laser, rent, interest	6 %

Economical results

The economic results of ÚVN Prague in 2006 were influenced by legislation and organisational changes. The executed analysis of the cost development univocally proves the objectiveness of the growing trend of development of some cost items, caused by legislative changes as well as by the accepted decision of the Czech Republic's MOD as an institutor. In spite of these facts, the hospital was successful enough to achieve positive economic results.

CONSOLIDATED INCOME STATEMENT

Scheduled as of December 31, 2006
(in thousands of CZK)

Account	Item	
COSTS		
501	Material consumption	462,187
502	Energy consumption	88,356
504	Sold goods	74,339
511	Repair and maintenance	63,227
512	Travel costs	2,800
513	Representation costs	121
518	Other services	138,706
521	Labour costs	482,753
524	Statutory social insurance	169,098
527	Statutory social expenditures	9,312
528	Other social expenditures	9,179
531	Road-traffic tax	3
532	Real assets tax	6
538	Other taxes and charges	73
542	Other fines and penalties	61
543	Writing off of debts	6,198
544	Interests	4
545	Exchange rate loss	43
548	Deficiencies and damages	7,591
549	Other expenses	19,230
551	Depreciation of long-term immobile and mobile assets	205,319
559	Creation of legal rectifying items	6,391
591	Income tax	36
COSTS IN TOTAL		1,745,031
INCOME		
601	Receipts from our own products	8,864
602	Receipts from the sale of services	1,079,662
604	Receipts from the sold goods	31,481
621	Activation of material and goods	22,633
624	Activation of long-term tangible property	250
644	Interests	1,519
645	Exchange rate income	1
649	Other income	74,306
654	Receipts from the sale of material	10
691	Subsidy and grant for operation	526,422
INCOME IN TOTAL		1,745,145
ECONOMIC RESULT		114

BALANCE

Elaborated as of 31 December 2006 (in thousands of CZK)

Name of item	State as of 1 January 2006	State as of 31 December 2006
ASSETS		
A. CONSTANT ASSETS	4,439,792	4,770,401
1. Long-term intangible assets	50,783	52,602
2. Depreciations of long-term intangible assets	-17,005	-21,625
3. Long-term tangible assets	6,283,821	6,836,659
4. Depreciations of long-term tangible assets	-1,877,808	-2,097,234
B. CURRENT ASSETS	516,016	644,329
1. Stocks	32,172	31,214
2. Receivables	219,160	180,773
3. Finance capital	260,494	427,776
5. Deferred active accounts	4,189	4,566
ASSETS IN TOTAL	4,955,807	5,414,730
LIABILITIES		
C. OWN FUNDS	4,731,705	5 173 257
1. Assets funds	4,554,493	4,884,946
2. Financial and money funds	175,014	288,197
5. ncome	2,198	114
D. EXTERNAL RESOURCES	224,103	241,473
3. Short-term commitments	220,072	239,974
5. Deferred account liabilities	4,031	1,500
LIABILITIES IN TOTAL	4,955,807	5,414,730



Selected indicators

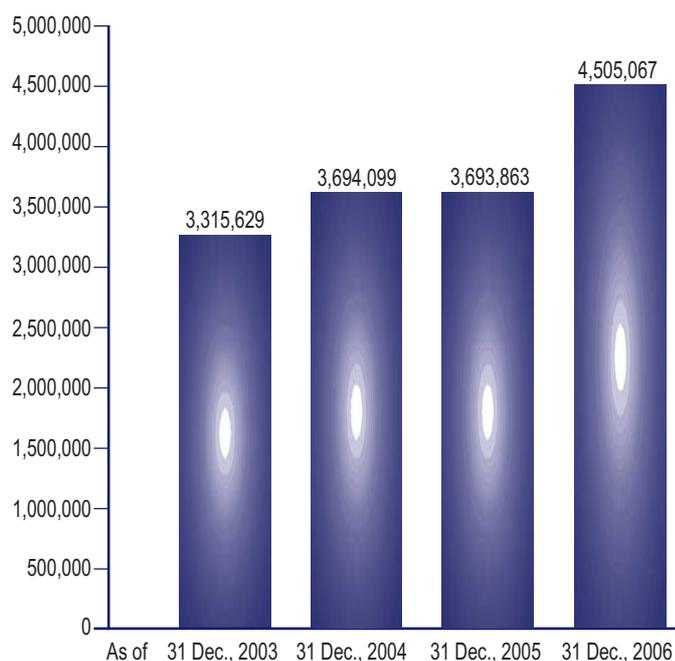
Assets, 2003 – 2006 (in CZK)

Name of assets	State as of 31 Dec., 2003	State as of 31 Dec., 2004	State as of 31 Dec., 2005	State as of 31 Dec., 2006
Intangible assets				
Acquisition price	22,988,593	28,642,663	25,000,040	47,075,226
Corrections	-11,295,079	-13,888,204	-17,004,615	-21,625,244
Present value	11,693,514	14,754,459	7,995,425	25,449,982
Buildings				
Acquisition price	3,161,991,214	3,375,481,021	3,383,643,517	4,272,379,326
Corrections	-727,099,477	-765,320,686	-805,769,118	-850,136,820
Present value	2,434,891,738	2,610,160,334	2,577,874,399	3,422,242,505
Machines and sets				
Acquisition price	1,441,480,930	1,731,424,568	1,876,192,516	1,992,360,494
Corrections	-696,726,161	-786,529,789	-892,488,225	-1,059,275,140
Present value	744,754,769	944,894,779	983,704,291	933,085,353
Petty long-term tangible assets				
Acquisition price	146,348,487	153,242,853	179,550,152	187,822,301
Corrections	-146,348,487	-153,242,853	-179,550,152	-187,822,301
Present value	-	-	-	-
Non-depreciated assets				
Acquisition price	124,289,120	124,289,120	124,289,120	124,289,120
PRESENT VAUE IN TOTAL	3,315,629,140	3,694,098,692	3,693,863,235	4,505,066,960

Assets (2003 – 2006)

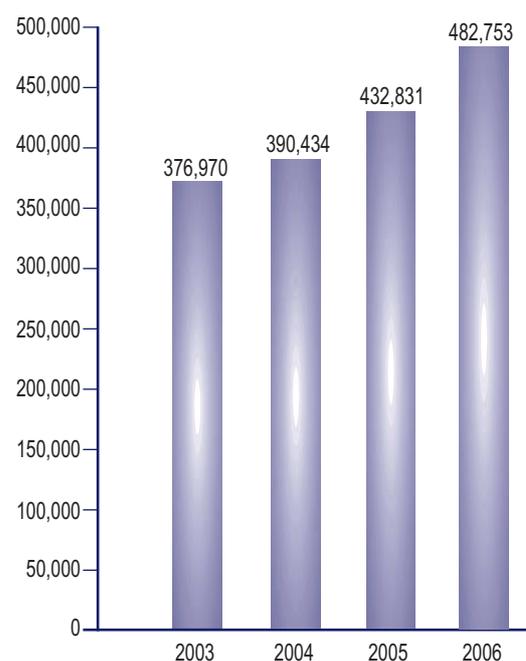
Present value in total

(thousands of CZK)



Gross pays (2003 – 2006)

(thousands of CZK)



Public contracts realised in accordance with the Act No. 40/2004 Coll. concerning Public Contract as subsequently amended:

Investment expenditures in the public contracts in the year 2006 (according to the Act No. 40/2004, Coll.)

1/06 Reconstruction of waste-water purifying plant (ISPROFIN 207 747 1508)

(Open procedure according to the Act No. 40/2004, § 25, Article 2, Letter a) concerning Public Contracts)

Successful bidder: Association: Hakov, Ltd + Alfa-COM, Ltd.

Hakov, Ltd., Radniční 28, 753 01 Hranice (id: 483 92 855)

Alfa-COM, Ltd., Moravské nám. 12/753, 602 00 Brno (id: 253 25 451)

Offer price: **9,508,599.80 CZK**

2/06 Specialized workplace for Neurosurgical Department (ISPROFIN 207 747 1607)

(Open procedure according to the Act No. 40/2004, § 25, Article 2, Letter a) concerning Public Contracts)

Successful bidder: Sdružení pro výstavbu specializovaného pracoviště neurochirurgického oddělení ÚVN (Association for Development of Specialized Workplace of ÚVN Neurosurgical Department), consisting of firms: Hypokramed, Ltd. and Metrostav, JCS, Divison 1

Hypokramed, Ltd., Plzeňská 113, 150 00 Prague 5, (id: 49616528)

Metrostav, JSC, Division 1, Koželužská 2246, 180 00 Prague 8, (id: 00014915)

Offer price: **279,251,201 CZK**

3/06 Reconstruction of a part of Pavilion XI for the development of LDN (ISPROFIN 207 747 1611)

(Negotiation procedure without publication according to the Act No. 40/2004, § 27, Article 3), Letter a) concerning Public Contracts, within the total extent up to 20% of original Public contract.

Association of Metrostav, JSC, and BAK, JSC companies

Metrostav, JSC, Division 1, Koželužská 2246, 180 00 Prague 8, (id: 000 14 915)

BAK, JSC, Vodní 177, 541 01 Trutnov, (id: 25289390)

Offer price: **18,970,000 CZK**

Non-investment – current expenditure in the public contracts in the year 2006 (according to the Act No.40/2004)

4/06 Bed clothes delivery for ÚVN Prague

(Open procedure according to the Act No. 40/2004, § 25, Article 2, Letter a) concerning Public Contracts)

Winner: **ZDRAVTEX, Ltd.**, Stará víska 70/14, 772 00 Olomouc-Hodolany (id: 25852311)

Offer price: **5,501,132 CZK**

Investment expenditure in the public contracts in the year 2006 (according to the Act No.137/2006, Coll.)

5/06 VZ 60004158 Upgrading of Endosonographic unit (ISPROFIN 207 747 1616)

(Negotiation procedure without publication according to the Act No. 137/2006, Coll., § 34 concerning Public Contracts, for the reason according to the Act No. 137/2006, Coll., § 23 Article 4, Letter a)

Olympus C&S, LTD, Evropská 176/16, 160 41 Prague 6, (id: 14891972)

Offer price: **19,868,011 CZK**

6/06 VZ 60004156 Upgrade CT (ISPROFIN 207 747 1617)

(Negotiation procedure without publication according to the Act No.137/2006, Coll., § 34 concerning Public Contracts, for the reason according to the Act No. 137/2006, Coll., § 23 Article 4, Letter a)

SIEMENS, Ltd, Evropská 33A, 160 00 Prague 6 (id: 00268577)

Offer price: **29,854,320 CZK**

Non-investment – current expenditure in the public contracts in the year 2006 (according to the Act No.137/2006)

7/06 VZ 60003224 – Construction maintenance

(Simplified sub-limit procedure according to Act No. 137/2006, Coll., § 38, concerning Public Contracts)

Winner: **Stavební řemesla (building trades) – Zeman, Ltd.**, U Vojenské nemocnice 1200, 169 02 Prague 6 (id: 64946134)

Offer price: **4,953,052 CZK**

8/06 VZ 60004157 – Elaboration of the study of feasibility of energetic austerity measures

(Simplified sub-limit procedure according to Act No. 137/2006, Coll., § 38, concerning Public Contracts)

Winner: **ONYO, Ltd.**, Do Kopečka 324, 251 01 Říčany-Radošovice (id: 27086020)

Offer price: **5,075,000 CZK**

Electronic auction

Held on	Name of auction	Our offer price (for which we have purchased) in CZK	Winner price in CZK	Savings in %	Savings in CZK
26 July 2006	Disposable gloves	758,000	611,725	19.3	146,275
27 July 2006	Injection technology	537,285	408,140	24.04	129,145
27 July 2006	LMWH (low molecular weight heparin)	2,237,431.35	2,007,909.05	10.26	229,522
14 Sept 2006	Surgical gloves	418,010.36	300,839.30	28.03	117,171.06
18 Sept 2006	Disposable sanitary means for incontinence	629,590	541,465	14	88,125
20 Sept 2006	Toilet paper	249,111.80	177,534	28.73	71,577.80
2 Oct 2006	Drumkit for printers	20,956	15,593	25.59	5,363
9 Oct 2006	Toners for printers	371,885	179,488.40	51.74	192,396.60
9 Oct 2006	Ink ribbons for printers	39,837	15,784	60.38	24 053
16 Oct 2006	Sanitary cotton	288,267.60	265,155.40	8.02	23,112.20
18 Oct 2006	Sanitary gauze	991,213.50	858,359	13.4	132 854.50
12 Dec 2006	Contrast media for pro X-ray examination	914,125.80	873,485.90	4.45	40,639.90
19 Dec 2006	Contrast media for magnetic resonance)	345,397.10	–	–	–

Sponsors and donators

List of important sponsors of Central Military Hospital, Prague, in the year 2006

Name	Donation sum (in CZK)
Aura Medical, Ltd.	1,419,620
Hc Sparta Praha, JSC	1,390,684
Středočeská energetika	1,000,000
Coal Energy, JSC	600,000
ČEZ, JSC	500,000
Diplomat Company, JSC	400,000
BAK, JSC	339,700
Daniel Šorm, JSC	300,000
Veselská Zdenka	300,000
Mero ČR, JSC	150,000
Johnson&Johnson, Ltd.	130,821
Nadace Bene Factum	130,000
Linet, Ltd.	126,000
Sanofi Aventis	109,000
Ja Ga, Ltd.	100,000
JUDr. Aleš Chovanec	100,000
Olympus	99,730
AstraZeneca	78,382
MSM, Ltd.	73,257
Dräger Medical, Ltd.	67,370
Olympus C+S, Ltd.	57,000
Stamont Metal Int., Ltd.	55,000
Wastech	53,550
Martin Miloš	52,370
Avers, Ltd.	50,000
Chironax DIZ, Ltd.	45,000
Speel Praha, Ltd.	44,000
Baxter	40,754
R, Ltd.	39,800

Name	Donation sum (in CZK)
A Care, Ltd.	35,132
VAMEX, Ltd.	34,517
Nadace Karla Pavlíka	34,000
Astra Zeneca Czech Rep.	30,000
Pikaso, Ltd.	29,631
Ortika, JSC	28,863
Jiří Čedík, M.Sc.	25,000
Medicom International	25,000
Bristol-Myers Squibb, Ltd	23,409
Gestra, Ltd.	20,000
Jiří Sekanina. LD	20,000
Kadlec Zdeněk	20,000
Novartis, Ltd.	19,565
Hebios, Ltd.	19,516
Trading M+K	18,201
MSM	17,287
Informační systémy, Ltd.	15,000
Doc. Ing. Miroslav Jelínek, DrSc.	15,000
Libuše Soukupová	15,000
Pro.Med.CS	15,000
Plišková Iva	14,850
B Braun Medical. Ltd.	13,188
Smetánka Zdeněk	12,000
Vlastimil Ondruška, M.Sc.	10,658
Citibank, JSC	10,000
Ing. JUDr. Stanislav Zahradníček	10,000
Jana Svobodová	10,000
Marie Šejnová	10,000
Nutricia, JSC	9,500



ÚVN

**Central Military Hospital, Prague, thanks all the sponsors
and donators for the expressed favour.**

All the donations have been used for the benefit of the patients of our hospital.



G) Personnel Matters

Personnel and Administration Department

In 2006, priority was again given to individual care for employees, education sphere and the problems concerning more complex and effective introduction of joint system of control, provision and development of human resources in the area remuneration based on mutual interconnection of the personnel and pay policy. Concurrently, we followed the professional, qualification and numerical structure of the employees, on the basis of which we shall build the area of personnel planning and development for the next period in harmony with the intentions and mission of ÚVN Prague. Further to the education and qualification it may be stated that the structure of our employees is on very high level in this context.

In the middle of the year, ÚVN Prague had assigned 27 surgeons – career soldiers included in the preparation for postgraduate diploma examination. Organisationally, the Personnel and Administration Department established new Section of Specialization Training.

Breakdown of occupational categories of the employees

Composition and number of employees

	2005	2006
Surgeon + Dental surgeon	297	341
Pharmacist	9	12
General nurse and midwife	689	705
Other medical workers, non-physicians, with professional qualification	98	97
Medical workers, non-physicians, with professional qualification and specialized skills	54	54
Medical workers, non-physicians, under professional supervision or direct guidance	212	204
Technical-economical workers	231	225
Manual workers and operators	104	106
IN TOTAL	1,694	1,744

Composition of the employees – male/female

	Male	Female
Surgeon + Dental surgeon	208	133
Pharmacis	1	11
General nurse and midwife	16	689
Other medical workers, non-physicians, with professional qualification	13	84
Medical workers, non-physicians, with professional qualification and specialized skills	8	46
Medical workers, non-physicians, under professional supervision or direct guidance	106	98
Technical-economical workers	53	172
Manual workers and operators	39	67
IN TOTAL	444	1,300

Composition – career soldiers (service relationship) and employees (employment relationship)

	2005	2006
Career soldiers	67	92
Employees	1,627	1,652
IN TOTAL	1,694	1,744

Composition of employees according to education level

Without school education	1
Primary school education	74
Lower secondary school education	3
Secondary technical school education and vocational certificate	176
Secondary technical school education without vocational certificate and school-leaving examination "A" levels	19
Complete general secondary school education	25
Complete secondary technical school education with vocational certificate + school-leaving examination "A" levels	21
Complete secondary school education with school-leaving certificate (without vocational certificate)	790
Higher technical school education	153
Bachelor's education	42
University education	389
University Doctor's education	51
IN TOTAL	1,744

Attestation of surgeons, dental surgeons and pharmacists

Surgeons with attestation	267
Without attestation	59 + 27 (specialization training)

Labour relation composition of the employees

Basic employment	1,622
Secondary employment	22
Concurrent employment	8
Service relationship	92
IN TOTAL	1,744

Average monthly wage of the employees (in CZK)

Surgeon + Dental Surgeon	42,957
Pharmacist	31,132
General nurse and midwife	22,114
Other medical workers, non-physicians, with professional qualification	23,458
Medical workers, non-physicians, with professional qualification and specialized skills	24,467
Medical workers, non-physicians, under professional supervision or direct guidance	15,767
Technical-economical workers	20,909
Manual workers and operators	13,475

Education of the Employees

In the evaluated period, we organized two accredited training courses for our employees to achieve the qualification to be able work as “general ambulance attendant” and one vocational course for the category “ambulance attendant” of ÚVN Prague aimed at the problems of dangerous sanitary waste material. In order to support the development of knowledge and skills of our employees and to promote the quality of contacts with our foreign clients we started the courses of English for beginners and slightly advanced students at the end of the year. In the next period we are going to open refresher courses for the career soldiers.

In order to promote the quality of care for handicapped clients, we opened a course of sign language for selected working posts in October.

Ministry of Health of the Czech Republic issued its decision on awarding 21 specialised branches of our hospital the accreditation to hold educational programmes within the specialized education of surgeons, dental surgeons and pharmacists.





H) Logistics

In 2006, the primary attention of the logistics was paid to implementation of further phase of completion and reconstruction of the ÚVN Prague grounds. Logistic branch continued in implementation of the plan of construction development and started further phase of completion and reconstruction of the ÚVN Prague grounds to enable accomplishment of reconstruction of all the medical and operational objects and to create conditions for the provision of modern medical services in all branches in harmony with the medium-term plan of development of MOD department till the end of the year 2008.

Waste

Concerning the sphere of waste management, we continued namely in further education aimed at thoroughgoing waste sorting in ÚVN Prague. We have collected and disposed 353.6 tons of the sanitary waste, 27.81 tons of sharp objects (namely hypodermic needles), more than 458 tons of municipal waste and more than 83 tons of other dangerous waste. ÚVN Prague is assessed as one of the best organisations in this sphere as far as dangerous waste management is concerned.

Energy

Article	Per year consumption	Our own production	Purchase from PRE Company	Costs of ÚVN in 2006 (CZK)
Electricity	13,858,778 kWh	8,428,000 kWh	5,430,778 kWh	26,058,340
Gas	8999 m ³	–	–	94,456
Water rate, sewage charge	216,226 m ³	–	–	10,280,767
Heat	138,125 GJ	–	–	43,074,278

Production of our own energy, which is 1.7 times cheaper than the energy purchased from PRE, is good financial contribution to ÚVN Prague. Concretely, we have bought 5,430,778 kWh for 13,228,416 CZK; we have produced 8,428,113 kWh. We expect total saving of 4522 GJ yearly.

Accommodation

Hostel	Number of beds	Single room	Double room with bath	Double room (shared bath)
Nurses Home	85	32	46	7
„D“ (XXI.)	200	–	100	100
Dědina	155	–	155	–

In the course of the last year, we managed to preserve existing standard of accommodation of our employees. ÚVN Prague administers 440 beds in three hostels. In spite of this fact, the existing capacity does not cover our needs.

Tubular mail post

The tubular mail post is on very good level. In 2006, the tubular mail post system was enlarged by adding one station as a preparation for its extension to Pavilion C which is under reconstruction at present. The tubular mail post system was completely validated, disinfected and serviced. Control software was enlarged with an aim to upgrade the fault signalling and to enable immediate remedy. About 280,000 cartridges are sent by the system a year which is 800–1,000 cartridges a day. Total weight of the transported material is about 150,000 kg.



The most important investment in 2006

Activity	Area	Costs (in mil. CZK)
Reconstruction o Pavilion XI – 2006	C	153,5
Development of Multifunctional Theatre of Surgery – 2006	C	42,6
Medical equipment for Multifunctional Theatre of Surgery	C	211,7

Evaluation of logistic branch activity in 2006

Hospital Laundry

Changes in the system of provision of the hospital departments by clean linen in 2006 resulted in considerable decrease: of loss rate of the hospital linen. Establishing of distributing points in the areas of surgical departments resulted in better communication and thus in higher quality of service for the hospital departments. In addition to the economical benefit it was accompanied by substantial decrease of complaints and increase of quality of the hospital linen provision.

Quantity of washed laundry	2006
In kg	377,500
In CZK	11,783,133

Price of 1kg including transport, repair and change of damaged linen is 31.21 CZK.

Catering

Standard of the provided catering was checked daily by all patients and majority of employees.

We succeeded in observing the achieved standards of catering of our patients during the whole year without increasing the costs. Possibility of an above-standard catering of patients, choice of more kinds of meals, met with little interest.

Only 74 patients made use of this chance last year. On the other hand, this fact may prove sufficient contentment with the quality of standard meals. The level of catering of our employees was evaluated mostly positively. It is proved by the growing number of boarders and by more than 247 thousands main dishes consumed in the year 2006. The level of quality of meals is also proved by the growing number of demands for catering provision of congressional activities held in the area.

Catering of employees

	2006
Number of meals	247,299
CZK	17,832,689

Costs of the patients catering (in CZK)

	2006
Food products	11,749,271
Running costs	16,750,340
In total	28,499,611

Catering of patients

	2006
Breakfast	153,197
Dinner	160,044
Supper	155,621

Receipts from catering activity

	2006
CZK	832,941.29



Hospital Transport

a) Transport of patients

Existing capacity of the Transport Division remains without substantial changes namely in the sphere of transportation of patients. We were not successful in introducing the system of early requests for transport of the patients discharged from the hospital treatment, namely the patients living out of Prague cadastre – so called long-distance trip. As a result, there are partly-loaded vehicles repeatedly sent in the same direction which results in economic losses and at the same time, it decreases the possibility to satisfy the needs of all the departments and necessity to order the drives from the other carriers.

	2006
Km	246,244
Points	3,550,134.97

Out of it km

	2006
Local transport	83,305
Long-distance transport	161,453
Others	1,486

b) Road transport

	2006
Km	165,782.87

c) Mileage km

	2006
Km	412,026.87



I) Research projects in ÚVN Prague

Review of the solved defence research projects

Moderators of health and stress management of a mission member

Project No. – 3240

Solver: Lt. Col. Jiří Klose, MA

Commentary on the project: Second phase of the research lasting from December 31, 2006, referred to finalisation of the elaboration of diagnostic procedures and then namely the data collection among selected population. We have selected the groups of suitable probands and, on this basis, we were contacting the commanders of selected units and Association of the Czech Republic's Veterans. Simultaneously, we ensured the participation of career soldiers who undergo examinations at Central Medical Psychological Department of ÚVN Prague and agreed cooperation with them. Detection of the probands and agreement on cooperation with them is further bearing task of the whole project. We have prepared a diagnostic instrument for data collection, which took similar concepts of actually going on problem-oriented tasks of NATO RTO in consideration to make the two instruments mutually comparable. Then, in the course of the whole year 2006, we organized diagnostic discussions of individual members of the research team with the selected probands with whom we have contractually established further cooperation. We had to travel over the whole Czech Republic to meet the probands. We were successful to gather data from 70 probands. Considering that one diagnostic session lasts 2.5 hrs, we have absolved 175 hrs of active investigation. Meetings of the team members reporting on the accomplishment of the tasks were held each month.

Microclimate of field medical workplaces for safe execution of medical operations

Project No. – 3031

Solver: Vlastimil Ondruška, M.Sc.

Commentary on the project: High number of different designs of textile air channels working as air distributing elements inside the tent intended for medical purposes has been tested in laboratories. The objective is to obtain sufficiently large collection of pictures of the air flow pattern in the surrounding of these air channels and to have sufficient number of relevant results of measurement which would enable us to find optimum position of the air channel in the tent, its actual technical design and optimization of parameters of the air supplied by the air channel in order to achieve so called forcing-out way of the air distribution inside the tent.

Models of information systems of field and peace-time medical service of the Czech Armed Forces

Project No. – 3210

Solver: Karel Eminger, M.Sc.

Commentary on the project: We have elaborated an analysis of information flows of medical information of field medical provision. We have also elaborated a model of the information flows and a picture showing the linkage with the elements of information sub-system of medical information, inputs and outputs of the basic elements and prescribed criterions for the evaluation of information support of giving first aid, professional medical assistance and treatment in the field.

Biological and non-biological elimination methods at the treatment of acute hepatic failure in an experiment

Project No. – 9140

Solver: Ondřej Ryska, MD

Commentary on the project: We have practically managed the FPSA (Fractionated plasma separation and adsorption) method in case of mini-pig with a model of acute hepatic failure by the method of surgical devascularisation using Prometheus apparatus. We have processed all the results of parameter levels of hepatic failure and the course of acute hepatic failure therapy by means Prometheus elimination apparatus on the samples of 10 animals (mini-pig)

and calculated their average values. We have statistically elaborated a pilot study of treatment of the experimental acute hepatic failure by using biological elimination by the help of bioreactors of the isolated hepatocytes.

Bio-detector of potentially abused toxic agents

Project No. – 9090

Solver: Šárka Veselá, MA, PhD

Commentary on the project: Outlined goals of “Bio-detector” project solution in 2006 included collection and study of technical literature and publications in the branch in which the project is engaged; beginning of development of monitoring methods of toxic agents action on cladocerans by the help of scanning their picture and evaluation of the scanned picture by special software; execution of initial experiments with selected toxicant with an objective to find out optimum dosing and to determine concentration range of these agents for the next experiments.

The outlined goals were accomplished. We have elaborated and published an article in a technical reviewed periodical within the training and study of technical literature.

We have also determined toxicity of two selected toxicant at different time of exposition including the analysis of its course in a selected time interval. Development and tests of methodology of monitoring of the toxic agents action on cladocerans by scanning their picture was also accomplished. This methodology will keep being adapted and improved.

Modernisation of individual medical equipment

Project No. – 6100

Solver: Jaroslava Doležalová, M.Sc.

Commentary on the project: Solution of the “Výbava”(Equipment) project started in the year 2006 after signing the agreement No. 0601 7 6100 concluded between MOD Armament Section and ÚVN, a.o., dated October 3, 2006.

In accordance with the planned time-related and factual procedure of solution, we have collected the information concerning the solved problems; we have studied and evaluated them as well.

We have collected information concerning requirements of NATO standardisation documents related to the first aid medical equipment and we have obtained partial information related to the equipment of foreign Armed Forces.

Moreover, we have made literary search resulting in gathering and evaluation available information related to the new kinds of haemostatic and other special bandages and tourniquet, potentially suitable for giving the first aid in the field.

Regarding the agent for individual preparation of drinking water, we have establish cooperation with native producer of new perspective agent which is being developed at present. Regarding the problems o autoinjectors, we have acquired and tested new samples of autoinjectors against nerve agents used in Armed Forces of some NATO countries.

We have also established cooperation with native producers and development workplaces which are currently developing new dressing material for testing from the viewpoint of its possible use in the Czech Armed Forces (e.g. Hyiodine base haemostatic bandage)

In 2006, the planned extent of work of VYBAVA (Equipment) project of the defence research was accomplished.

Grants announced by IGA

Detection and monitoring of gene variations in selected oncogenes and tumour suppressor genes in case of the patients with chronic pancreatitis and pancreatic cancer and their application in early diagnostic and therapeutic processes

Co-solver: Lt. Col. Prof. Miroslav Ryska, MD, PhD
Specialist: Robin Strnad, MD

Molecular-cytogenetic analysis of encephalophyma cells and its contribution to the diagnostics and treatment

Co-solver: Ass. Prof. Petr Kozler, MD, Ph.D.
Specialist: Filip Kramář, MD

Importance of pre-operative determination of the boundary between brain and meningioma for the selection of treatment modality.

Solver: Ass. Prof. Petr Kozler, MD, Ph.D.
Co-solvers: Col. Prof. Vladimír Beneš, MD, DrSc.
Filip Kramář, MD
Col. František Charvát, MD, PhD

Cervical dissection – fixation of stability radical surgical solution in case of degenerative disease of cervical spine

Solver: Lt. Col. Martin Häckel, MD, PhD
Specialist: Prof. Lubor Stejskal, MD, DrSc.

Quality of life of the patients after sub-arachnoidal bleeding and treatment of aneurysms

Solver: Col. Prof. Vladimír Beneš, MD, DrSc.
Specialists: Lt. Col. Jiří Klose, MA
Marek Preiss, MA
Col. František Charvát, MD, PhD
Jana Koblihová, MA
David Netuka, MD, PhD

Immune and inflammatory mechanisms in the pathogenesis of nasal polyps

Solver: Petra Fundová, MD
Specialists: Col. Michal Navara, MD, PhD
Zdeněk Voldřich, MD, DrSc.

Neurosteroids – risk factors in case of selected kinds of cerebrosis

Co-solver: Milan Mohapl, MD

Peroperative application of depot steroid at decompression surgical treatment of degenerative rachiopathy

Solver: Lt. Col. Martin Häckel, MD, PhD
Specialist: Capt. Václav Masopust, MD

Molecular epidemiology of hepatitis C virus in the Czech Republic

Co-solver: Laura Krekulová, MD, PhD

Grants announced by GA CR

Acute and chronic ulcerative colitis induced by DSS and transfer of CD⁺CD45Rb^{high} T lymphocytes into immune-deficient (SCID) mice

Co-solver: Prof. Přemysl Frič, MD, DrSc.

Solid-state infra-red lasers for ophthalmology

Co-solver: Col. Ass. Prof. Jiří Pašta, MD, PhD

Grants announced by the Academy of Science of the Czech Republic

Can radiofrequency detachment induce an antitumour immunity?

– Experimental study of two animal tumour models

Co-solver: Miloš Kučera, MD



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