



University Hospital Carl Gustav Carus

THE DRESDENERS

PROFILES OF MEDICAL TREATMENT IN DRESDEN



CONTENTS

WELCOME	3
COMPREHENSIVE CANCER CENTRE	4
INTERDISCIPLINARY CENTRE FOR SKULL BASE SURGERY	5
DEPARTMENT OF MEDICINE I	6
DEPARTMENT OF UROLOGY	8
DEPARTMENT OF NEUROSURGERY	10
DEPARTMENT OF NEURORADIOLOGY	12
DEPARTMENT OF GASTROINTESTINAL- ,THORACIC- AND VASCULAR SURGERY	14
DEPARTMENT OF OTO-RHINO-LARYNGOLOGY	16
DEPARTMENT OF OPHTHALMOLOGY	18
ORTHOPAEDIC DEPARTMENT	20
DEPARTMENT OF TRAUMA AND RECONSTRUCTIVE SURGERY	22
DEPARTMENT OF PAEDIATRICS	24
DEPARTMENT OF PAEDIATRIC SURGERY	26
DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY	28
DEPARTMENT OF DERMATOLOGY	30
DEPARTMENT OF NEUROLOGY	32
DEPARTMENT OF ANESTHESIOLOGY AND INTENSIVE CARE MEDICINE	34
DEPARTMENT FO ENDOCRINOPATHIES AND CLINICAL METABOLIC DISEASES	36
INDIVIDUAL PATIENT SERVICE	38
DRESDEN – FLORENCE ON THE ELBE	40
CULTURE IN DRESDEN	42

WELCOME TO THE CARL GUSTAV CARUS UNIVERSITY HOSPITAL IN DRESDEN

The Carl Gustav Carus Hospital in Dresden has a long medical tradition. It was founded as a surgical medical academy in 1815 by Friedrich August I., King of Saxony.

Carl Gustav Carus (1789 – 1869) worked here as the Royal Gynaecologist. In 1993 the Carl Gustav Carus Medical Academy was established as a Medical Faculty and became part of the Technical University Dresden. Now we have excellent facilities for modern interdisciplinary teamwork in medical research and medical service. Recently the Medical Faculty became a Harvard Medical International Associated Institution. It is a national and international centre of excellence in teaching.

More than 3500 specialists guarantee an excellent medical service. Interdisciplinary teamwork on the highest medical level combined with individual care are our trade marks and our strengths.

Welcome to the Carl Gustav Carus University Hospital, welcome to Dresden. Here you will find excellence in medical treatment and a fascinating city with many traditional, international, contemporary and cultural highlights. We hope you will soon join the large group of content visitors and will become a long-term friend of our University Hospital.

With this brochure we would like to inform you in particular as a hospital, doctor or member of the health-care system, about the top-standard medical treatment facilities we offer here in Dresden. We would appreciate it if you pass this information on to your patients so that they can take advantage of these attractive opportunities for an optimized recovery.

Professor Dr. med. D. Michael Albrecht
Medical Managing Director

Wilfried E. B. Winzer
Comercial Managing Director



CHAIR

Prof. Dr. med. Michael Baumann
<http://www.krebszentrum.de>



ADMINISTRATIVE DIRECTOR

Prof. Dr. med. Gabriele Schackert



UNIVERSITY CANCER CENTRE, UCC

THE COMPREHENSIVE CANCER CENTRE, JOINTLY FOUNDED BY THE UNIVERSITY HOSPITAL AND THE MEDICAL FACULTY, IS DEDICATED TO EXCELLENCE IN THE CARE OF CANCER PATIENTS, CANCER RESEARCH AND EDUCATION.

Today, the correct diagnosis and optimal treatment of cancer depends on close cooperation between specialized experts from many disciplines, including general and site-specific surgery, medical oncology, radiation oncology, paediatric oncology, pathology, diagnostic radiology and nuclear medicine, psycho-oncology, pain management, immunology, molecular medicine and genetics.

The Comprehensive Cancer Centre integrates all these specialists required for the modern care of all common and rare cancers. State-of-the-art technology and the latest drugs are available for early and exact diagnosis and efficient and precise treatment.

The experts of the Comprehensive Cancer Centre work together in multidisciplinary teams to provide the optimal individual combination of treatments. Many experts of the Comprehensive Cancer Centre are not only highly dedicated and skilled clinicians but also leading cancer researchers. This means that, whenever appropriate, the latest scientific innovations will be considered for clinical treatments.



Modern conformal radiotherapy technique using linear accelerator after 3-dimensional computerized treatment planning

INTERDISCIPLINARY CENTRE FOR SKULL BASE SURGERY

THE INTERDISCIPLINARY CENTRE FOR SKULL BASE SURGERY OFFERS INTENSIVE DIAGNOSIS AND SURGICAL TREATMENT FOR PATIENTS WITH COMPLICATED DISEASES OF THE SKULL BASE.

Skull base surgery demands the highest expertise of surgeons from different surgical fields, including neurosurgeons, ENT surgeons, maxillofacial surgeons and ophthalmologists. The interdisciplinary Dresden Skull Base Centre offers high-skill surgery, diagnostics and intraoperative cutting-edge technical equipment.

Complicated diseases, e.g. tumors, vascular malformations or traumas, are discussed and planned for operation at a weekly interdisciplinary conference, which also benefits from the expertise of a neuroradiologist. Interventional radiology and intraoperative neuronavigation are used on a routine basis to minimize the risk of surgical interventions. Ambitious research projects form the basis of future developments.

The Interdisciplinary Centre for Skull Base Surgery brings together experts from the following medical fields:

- Department of Neurosurgery
Chair: Prof. Dr. med. G. Schackert
- Department of Oto-Rhino-Laryngology
Chair: Prof. Dr. med. Dr. h.c. K.-B. Hüttenbrink
- Department of Oral and Maxillofacial Surgery
Chair: Prof. Dr. med. habil. Dr. med. dent. U. Eckelt
- Department of Ophthalmology
Chair: Prof. Dr. med. L.E. Pillunat
- Department of Neuroradiology
Chair: Prof. Dr. med. R. v. Kummer



Interdisciplinary surgery of skull base tumors (far left)

Modern CT and MR procedures including 3-D navigation systems are used for the diagnosis and surgery of skull base tumors.



CHAIR

Prof. Dr. med. Gerhard Ehninger
<http://www.oncocenter.de>



A nurse working under strict sterile conditions



DEPARTMENT OF INTERNAL MEDICINE I

MEDICAL CLINIC I PROVIDES COMPLETE DIAGNOSTICS AND THERAPY OF NON-MALIGNANT AND MALIGNANT DISEASES: A WIDE SPECTRUM OF CANCERS, BLOOD DISORDERS INCLUDING COAGULATING DISTURBANCES, DISEASES OF THE GASTRO-INTESTINAL AND RESPIRATORY TRACT AND INFECTIOUS DISEASES INCLUDING HIV AND AIDS.

Where the diagnosis and treatment of malignant diseases requires interdisciplinary action, we collaborate with the Dresden Comprehensive Cancer Centre. The diagnosis and treatment facilities we offer our patients are of the highest standard. The latest findings of cancer research, new drugs and our own developments are all part of our clinical practice. Close cooperation with distinguished specialists of the Dresden University Hospital guarantees the highest quality of medical care in every stage of each illness. We also provide cancer pain therapy and psychooncological support for our patients and their relatives, as well as an explicit internal check-up. More tests can be arranged at short notice if required. Single rooms, TV and Internet access are available.



Entrance of the out-patient clinic

Department of Haematology and Oncology

Special entities:

- | Acute leukemias
- | Hodgkin's disease
- | Non-Hodgkin's lymphoma
- | Gastrointestinal cancer

High-dose chemotherapy with haematopoietic stem-cell support are applied if indicated. Related and unrelated stem-cell and bone-marrow transplantations are performed and fast worldwide donor searches are initiated.

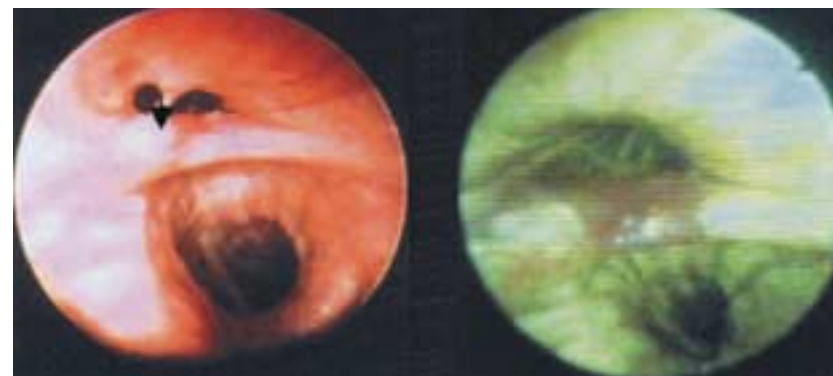
Department of Pulmonology

Bronchoscopy, including bronchologic intervention (laser therapy of endobronchial tumors), pleuroscopy, autofluorescence bronchoscopy (early detection of endobronchial tumors)

- | Lung function laboratory: bodyplethysmography, CPX spiroergometry
- | Diagnostic, vasoreactivity testing and treatment of pulmonary hypertension
- | Sleep-associated breathing disorders like obstructive sleep apnea syndrome, central sleep apnea syndromes

Department of Gastroenterology

- | Percutaneous transhepatic cholangioscopy (PTC)
- | Endoscopic retrograde cholangio-pancreaticography (ERCP)
- | Argon plasma coagulation (APC)
- | Magnification endoscopy, chromoendoscopy
- | Mini-endosonography, conventional endosonography
- | Endoscopic mucosal resection (EMR), polypectomy
- | Push-enteroscopy



Autofluorescence bronchoscopy (right) in comparison to white-light bronchoscopy (left) used for the detection of early intraepithelial neoplasia



CHAIR

Prof. Dr. Manfred P. Wirth
<http://www.tu-dresden.de/meduro>



The most advanced and sophisticated high-technology support systems are used for all open, endoscopic and laparoscopic urologic surgery.

DEPARTMENT OF UROLOGY

THE DEPARTMENT OF UROLOGY PROVIDES EXPERTISE AND SOPHISTICATED SCIENTIFIC TREATMENTS FOR ALL ASPECTS OF UROLOGY.

Urologic oncology

The department provides comprehensive treatment for all kinds of urogenital malignancies. This includes diagnosis in difficult cases, minimally invasive as well as radical surgical treatment, and conservative treatment such as immuno- and chemotherapy.

Prostate cancer is treated by both radical and nerve-sparing open or laparoscopic surgery or by brachytherapy with seed implantation. The department performs over 250 radical prostatectomies per year, making it one of the busiest departments in Germany. All forms of adjuvant treatment for prostate cancer are available, and the advanced disease can be treated by scientifically validated forms of chemotherapy. Prostate cancer represents one of the main research interests of the department and top-level expertise is available for the most advanced treatment of any stage of this disease.

Advanced bladder carcinoma is treated by radical cystectomy, and all urinary diversion procedures are performed regularly with high frequency. These include nerve-sparing resection techniques, as well as all forms of continent diversion in men and women.

Renal cancer is treated by open or laparoscopic complete or partial nephrectomy depending on the size of the tumour. Organ-sparing surgery in patients with single kidneys is performed routinely, as is the removal of large intracaval tumour thrombi reaching below or above the diaphragm. Adjuvant immunotherapy for advanced renal cancer is given routinely. The department treats all stages of testicular cancer which includes chemotherapy and surgery for advanced metastatic disease. Retroperitoneal lymphadenectomy or residual tumour resection is performed using nerve-sparing techniques wherever possible.



Extracorporeal stone lithotripsy for renal and uterine stones

Experienced nursing and laboratory staff provide comprehensive and modern ancillary care.



Post-operative recovery is aided by experienced urological physiotherapists and in-patient rehabilitation treatment, if indicated, is provided in the modern rehabilitation centre at the picturesque village of Kreischa near Dresden.

Urolithiasis

Stone treatment includes all possible modern techniques from extracorporeal lithotripsy (ESWL) for renal, and in-situ treatment for ureteral stones, ureteroscopic stone extraction or lithotripsy using mechanical or laser techniques, and percutaneous endoscopic renal surgery (PCNL) for the removal of large or staghorn renal calculi. Open-stone surgery is only rarely necessary, as the vast majority of all stone patients can be treated successfully by endoscopic forms of treatment.

Renal transplantation

The Department of Urology is the surgical transplantation centre for the eastern part of Saxony. Transplantation of old and very old recipients is performed routinely, as is living-donor transplantation from relatives.

Reconstructive surgery

All forms of urological reconstructive surgery, including hypospadias repair, functional bladder surgery for reflux disease in adults and children, implantation of prostheses for erectile impotence, urinary undiversion and repair of urethral strictures, are routinely performed. Reconstruction and repair of recurrent urethral strictures is performed by plastic techniques using buccal mucosa implants.

Urinary incontinence

The department provides all forms of sophisticated and modern diagnosis of urinary incontinence, as well as all conservative and surgical techniques for the treatment of the underlying disorders, such as retropubic suspension techniques, paraurethral injection, suburethral sling procedures, sacrocolpopexy and the implantation of prosthetic devices.



CHAIR

Prof. Dr. med. Gabriele Schackert
<http://www.tu-dresden.de/mednch>



Brain surgery employing the neurosurgical microscope and neuronavigation



DEPARTMENT OF NEUROSURGERY

THE DEPARTMENT OF NEUROSURGERY OFFERS PATIENT-ORIENTED, COMPASSIONATE AND EFFECTIVE CARE FOR ALL NEUROSURGICAL DISEASES INCLUDING BRAIN TUMOURS, CEREBROVASCULAR DISEASE, PERIPHERAL NERVE INJURY, SPINAL DISORDERS, DEGENERATIVE DISEASES AND PAIN MANAGEMENT. WE ARE DEDICATED TO ACHIEVING EXCELLENCE IN PATIENT CARE, TEACHING AND RESEARCH.

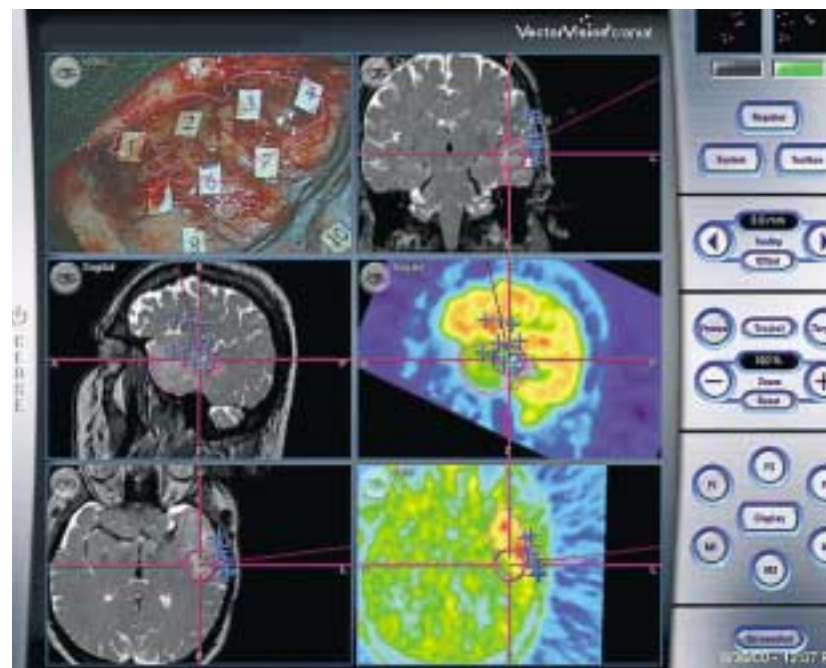
Tumours of the brain and spinal cord

The Department of Neurosurgery is a specialized centre of neuro-oncology, treating all kinds of tumours of the brain and spinal cord in children and adults. The success of the treatment strategies at our institution can be explained by the intensive interdisciplinary approach to the patients involving neurosurgeons, neuroradiologists, ENT surgeons, radiation and physical therapists.

The neuroradiological armamentarium for preoperative diagnosis includes the latest CT and MR scanners and 3D angiography. Surgery is performed in high-tech, state-of-the-art operating rooms with the latest equipment, such as Zeiss-microscopes, BrainLab neuronavigational systems, neuroendoscopes, laser surgery and intraoperative ultrasound. A broad spectrum of electrophysiological mapping techniques permits maximal tumor resection, at the same time preserving eloquent brain functions.

Our department is specialized in the treatment of tumours located in eloquent brain areas and brain tumours in childhood.

If postoperative specialized rehabilitation is found to be necessary, this is carried out in rehabilitation centres located in the close vicinity of Dresden. These centres are equipped with excellent facilities for physical therapy and logopaedic treatment that meet high contemporary standards.



Vascular diseases of the brain

The Carl Gustav Carus University Hospital is a renowned institution for the treatment of vascular pathologies of the brain and spinal cord, such as AV-malformations, aneurysms and AV-fistulas. Our neuroradiological and neurosurgical interdisciplinary approach plays an important role in the optimal diagnosis and interventional (coiling/embolization) as well as surgical treatment of such diseases.

Degenerative diseases of the brain and pain management

Dresden is a specialized centre for the treatment of Parkinson's disease: the work-up includes neurological testing and optimization of drug therapy and, in refractory cases, we perform stereotactically guided deep-brain stimulation and implantation of permanent electrodes. In addition to conservative pain management, we offer surgical procedures for trigeminal neuralgia and intractable pain.

Peripheral nerve injury

Limb palsies in adults and infants resulting from complex injuries (e.g., birth trauma) to the nerve plexus and individual nerves are successfully treated in our hospital. Primary nerve reconstruction is possible in the case of an early presentation. Our surgeons are trained in the functional reconstruction of the extremities, such as tendon and muscle transfers for irreparable nerve lesions. Treatment of brachial plexus lesions in infants and children is conducted in an interdisciplinary manner.

Intra-operative site during awake craniotomy as shown in the neuronavigational device: numbers depict locations of cerebral stimulation. All previously acquired imaging data are fused into the operative environment.



CHAIR

Prof. Dr. med. Rüdiger v. Kummer
<http://www.tu-dresden.de/medneurorad>



DEPARTMENT OF NEURORADIOLOGY

THE DEPARTMENT OF NEURORADIOLOGY IS KNOWN WORLD-WIDE AS AN INTERNATIONAL REFERENCE CENTRE FOR IMAGE INTERPRETATION AND A CENTRE FOR NEURORADIOLOGICAL INTERVENTIONS.

Neuroradiological diagnostics

The Department of Neuroradiology is highly specialized in the performance and image interpretation of computed tomography (CT) and magnetic resonance imaging (MRI) for patients with diseases of the central nervous system (multiple sclerosis, tumors of the brain, spinal cord and orbit, metabolic diseases, brain atrophy, trauma, hydrocephalus, development disorders, infectious diseases, epilepsy and stroke).

The department is well equipped with 2 high-field MRI scanners (Siemens Vision and Sonata) and one multi-slice CT (Siemens Sensation). Functional MRI examinations and MR spectroscopy are performed on a routine basis. The Department of Neuroradiology is recommended as an International Reference Centre for image interpretation and is involved in many multi-centre trials on stroke prophylaxis and the treatment and invasive treatment of severe Parkinson's disease. It serves the patients of the University Hospital Dresden, as well as patients from local and more distant hospitals on an outpatient basis or using teleradiology.



The anatomy of the brain and its vessels is clearly depicted by MRI, CT angiography, or 3-D reconstruction of rotational digital subtraction angiography.



Angiography using a Siemens biplane Neurostar

Prof. von Kummer serves on steering and safety committees in many trials and has authored books on CT diagnosis of acute stroke and the management of acute stroke patients.

Neuroradiological interventions

The Department of Neuroradiology is a recommended centre for minimal invasive interventions into the brain and spinal cord. Using micro-catheter technology and modern biplane angiography, Prof. von Kummer and his team currently treat 60 patients with cerebral aneurysms and 50 patients with arterio-venous malformations of the brain and spine per year. They embolize tumours pre-operatively and recanalize arteries with local thrombolysis, angioplasty and stenting in case of acute stroke and pending stroke in close cooperation with the Departments of Neurosurgery and Neurology.



Magnetic resonance imaging using a 1.5 Tesla Siemens Sonata scanner with special features for the diagnosis of brain and spine diseases



CHAIR

Prof. Dr. med. Hans-Detlev Saeger
<http://vtg.uniklinikum-dresden.de>



DEPARTMENT OF GASTROINTESTINAL (GI), THORACIC AND VASCULAR SURGERY

THE DEPARTMENT OF GI, THORACIC AND VASCULAR SURGERY WORKS ON THE WHOLE SPECTRUM OF SURGERY EXCEPT THE CARDIAC AND TRANSPLANTATION SURGERY. THE MAIN POINTS OF OUR SURGICAL WORK ARE HEPATOBILIARY AND PANCREATIC (HBP) SURGERY, ONCOLOGIC SURGERY, TREATMENT OF HEREDITARY COLORECTAL TUMOURS AND MINIMAL-ACCESS SURGERY.

Director of the department:
Hans. D. Saeger, MD,
Professor of Surgery.
He is also Dean of the Medical
Faculty of Carl Gustav Carus.
Memberships:

- | Royal College of Surgeons (FRCS), England
- | Membre Associé de l'Académie Nationale de Chirurgie, France
- | International Surgical Group
- | Leopoldina



Intensive care unit (ICU) offering an excellent standard of equipment and competence

Surgeons at work: video-endoscopy (above) and ultrasound sonography including colour doppler imaging (below)



HBP surgery:

The department specializes in the management of pancreatic disease. During the last 9 years we have treated more than 1700 patients with pancreatic disease, mainly malignant tumors.

Oncologic surgery:

The success of cancer treatment is based on an interdisciplinary approach. This has been assured by regular oncologic board meetings and the institution of the cancer centre at the university hospital. We perform the whole spectrum of oncologic surgery. The Department of Surgical Research (Head: Hans K. Schackert, MD, Professor of Surgery) works on molecular and genetic problems focusing on malignant tumors.

Hereditary colorectal tumours:

There is a special interest in research and treatment for patients and their families with hereditary colorectal tumours like HNPCC and FAP in our institution. Dresden represents one of 6 centres of a German project supported by the "Deutsche Krebshilfe" (German Cancer Aid).

Minimal-access surgery:

We have performed about 2600 operations in this way. The department offers the whole spectrum of abdominal and retroperitoneal minimally invasive surgery as well as video-assisted thoracic surgery (VATS).

Excellent diagnostic management and postoperative care are essential pre-requisite for optimum treatment. This is guaranteed by modern equipment for ultrasound sonography, endoscopy and further imaging techniques, as well as a recently completed new intensive care unit.



CHAIR

Prof. Dr. med. Dr. med. h.c.
Karl-Bernd Hüttenbrink
<http://www.orl-dresden.de>



Rhinologic diseases, including allergy, taste- and smell disorders and chronic polypoid Sinusitis, are diagnosed exclusively with endoscopic procedures, which are also employed for the surgical therapies.



DEPARTMENT OF OTO-RHINO-LARYNGOLOGY

THE ORL UNIVERSITY CLINIC OF DRESDEN IS ONE OF THE LEADING CENTRES WORLDWIDE IN BASIC AND CLINICAL RESEARCH FOR MIDDLE-EAR RECONSTRUCTION.

Otology

Results from our R&D activities, such as innovative prostheses and new approaches to middle-ear reconstruction, have been introduced directly into surgical procedures for patients suffering from chronic middle-ear diseases such as cholesteatoma, tympanic membrane perforation or otosclerosis. Innovative diagnostic techniques, such as laser-Doppler-vibrometry or the dynamic probe, which was invented in our laboratory, are successfully used in diagnosis. Our vast experience in middle-ear surgery, founded on knowledge of middle-ear function gained in our basic research, is attracting an increasing number of patients from all over the country.

Tumour surgery

All modern treatments of tumour diseases in the head-and-neck region are successfully established at the ORL University Clinic. They include tumour resection with laser and ultrasonic devices, and reconstruction with microvascular free flaps. Non-invasive therapy, using radio- and chemotherapy, has been established in cooperation with our radiological and chemotherapeutical department.

Rhinology

The Rhinology department combines basic and clinical research with surgical procedures. The allergy laboratory has developed innovative diagnostic procedures that are globally unique and have evolved directly from our basic research. Furthermore, our department also houses the internationally renowned Smell and Taste Centre, home of the German study group of olfaction and



The Dresden clip-prosthesis, made of elastic titanium, represents a major step forward in ossicular reconstruction.

taste disorders of the German ORL Society. Basic research into this “forgotten” sense, has resulted in many innovative approaches to diagnostic and therapeutic procedures.

In our surgical theatres we have gained vast experience in endonasal endoscopic surgery of the sinus, including the endoscopic repair of frontobasal trauma and tumours.

Laryngology / Tracheal surgery

The ORL University Clinic Dresden also houses an important phoniatic department, which employs all modern technologies relating to voice and larynx function. Modern laser surgery for diseases of the larynx, and surgery for tracheal problems such as tracheal stenosis with endothesis or anastomosis surgery, are well developed in our surgical department.

The excellence and reputation of our clinical work, which is based on scientific research, is documented by the election of our head of department, Prof. Dr. med. Dr. med. h.c. K.-B. Hüttenbrink, as president of the German ORL Society in 2003. He was given the best rating in the review of the most successful German ORL specialists in the 2000 edition of the major German newspaper “Focus”. This demonstrates the great reputation of the clinical and scientific work carried out at the ORL University Clinic in Dresden.



The Cochlea Implant Centre has gained a vast experience in cochlear implant surgery and habilitation throughout the last 10 years.



CHAIR

Prof. Dr. med. Lutz E. Pillunat
<http://www.tu-dresden.de/medkaug>



DEPARTMENT OF OPHTHALMOLOGY

THE UNIVERSITY EYE CENTRE IS ONE OF THE LEADING DEPARTMENTS OF OPHTHALMOLOGY IN EUROPE. ALL AREAS OF OPHTHALMOLOGY ARE COVERED AND PRACTISED BY WELL-TRAINED EXPERTS IN DIFFERENT SUBSPECIALITIES.

Beside refined diagnostic skills, the department with 110 employees including 25 physicians and scientists, offers all surgical procedures performed in ophthalmology. In 2002 we performed 4600 major surgical operations and about 5000 Laser procedures. Areas of special expertise include:

Glaucoma

The glaucoma centre offers the most refined techniques for glaucoma diagnosis including laser scanning optic nerve head analysis, retinal nerve fibre layer analysis, early damage detection by short-wavelength perimetry and frequency doubling perimetry. Furthermore, the glaucoma centre offers Europe's best-equipped diagnostic centre for disorders of ocular blood flow in glaucoma. We offer measurements of total ocular blood flow by pneumotonography, diagnostic colour doppler imaging of retrobulbar vessels, analysis of capillary optic nerve head blood flow by laser Doppler flowmetry, measurement of retinal capillary blood flow by laser scanning doppler flowmetry, and the analysis of vessel regulation by continuous digital retinal vessel analysis.

Pediatric ophthalmology and neuroophthalmology

The centre for pediatric ophthalmology specializes in the surgical treatment of congenital disorders such as congenital glaucoma, congenital cataracts and congenital disorders of the eyelids. Patient care is handled in an interdisciplinary fashion together with the department of pediatrics. Special interdisciplinary care is taken in children with uveitis and in newborn children suffering from retinopathy of prematurity.



Plastic surgery of the eyelids

Refractive surgery

The centre for refractive surgery offers all currently available diagnostic and therapeutic options. These include corneal refractive surgery (Lasik, PRK, INTACS), clear lens extraction, antiastigmatic keratotomy, phacic lens implantation (ICL), multifocal lens implantation.

Corneal refractive surgery is performed by using the most refined Excimer laser systems, which were newly installed in 2003. A corneal topography controlled LASIK is available, as well as an aberrometric approach.

Ocular blood flow centre

Disorders of ocular blood flow are quite common nowadays, as many diseases like diabetes, arterial hypertension or malnutrition occur more frequently with greater life expectation.

The ocular blood flow centre offers the complete spectrum of diagnostic and therapeutic approaches for disorders of ocular circulation.

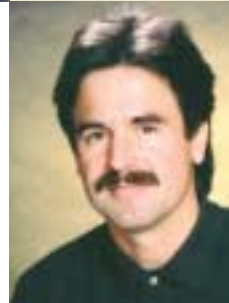
Optic nerve head imaging (left), Corneal topography measurement (middle), refractive surgery (right)





CHAIR

Prof. Dr. med. Klaus-Peter Günther
<http://ortho.uniklinikum-dresden.de>



Three completely equipped surgical theatres with technological facilities for musculoskeletal application are in routine use.



ORTHOPAEDIC DEPARTMENT

CONSERVATIVE AND SURGICAL TREATMENT OF MUSCULOSKELETAL DISORDERS INCLUDING EARLY POSTOPERATIVE REHABILITATION IN THE FOLLOWING SUBSPECIALTIES:

Sports medicine, knee and shoulder service

Diagnosis and minimally invasive treatment of sporting injuries, knee and shoulder problems:

- | shoulder instabilities, impingement and tears of the rotator cuff
- | acute and chronic knee instability (ligament injuries)
- | meniscal tears and cartilage damage of the knee joint

Musculoskeletal reconstruction service

Diagnosis and treatment of congenital and acquired disorders of the lower extremities:

- | malalignment of the legs (e.g. multilevel deformity correction)
- | hip and knee osteoarthritis (e.g. preventive osteotomies, unicompartmental and total joint replacement, new concepts of surface replacement)
- | treatment of rheumatic disorders (rheumatoid arthritis)



Staff members in our intermediate care unit

Spine service

The nonoperative and operative treatment of spinal deformities, inflammatory and degenerative disorders of the spine:

- | idiopathic scoliosis
- | neuromuscular disorders with concomitant spinal deformities (e.g. MMC, cerebral palsy and muscular dystrophy)
- | osteoarthritis of the spine (conservative/surgical treatment including minimally invasive surgery)

Hand service

Diagnosis and therapy of congenital and acquired hand and finger deformities (e.g. congenital malformation, rheumatoid destruction, Dupuytren's contracture) and nerve compression syndromes

Tumor service

Diagnosis and therapy of hard- and soft-tissue musculoskeletal tumours (close collaboration with national tumour registers and the local tumour centre)

Paediatric orthopaedic service

Diagnosis and treatment of common disorders of the child's spine (scoliosis) and extremities (e.g. foot disorders, congenital malformations, developmental dysplasia of the hip, Perthes disease) including complex pelvic osteotomies and reconstructive procedures



Knee-replacement, hip osteoarthritis and surface replacement (from left to right).



CHAIR

Prof. Dr. med. Hans Zwipp
uwc@rcs.urz.tu-dresden.de



DEPARTMENT OF TRAUMA AND RECONSTRUCTIVE SURGERY

THE DEPARTMENT OF TRAUMA AND RECONSTRUCTIVE SURGERY AT THE DRESDEN UNIVERSITY HOSPITAL HAS AN INTERNATIONAL REPUTATION FOR TREATING ACUTE AND CHRONIC INJURIES TO THE FOOT AND ANKLE. THE CHAIR, PROFESSOR H. ZWIPP, IS A MEMBER OF THE AO INTERNATIONAL FACULTY AND PRESIDENT OF THE AO-ASIF FOOT AND ANKLE EXPERT GROUP.

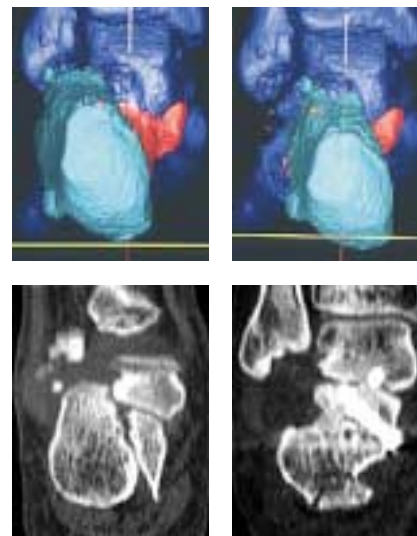
Reconstructive surgery of the foot and ankle

Complex reconstructions are performed after malunited fractures, ligamentous instabilities, soft tissue injuries and tendon dysfunction. Severe neuropathic deformities and chronic osteomyelitis are treated surgically.

Preoperative planning includes high-quality, multiplanar computed tomography (CT) and magnetic resonance imaging (MRI) scans including 3D analysis, computer simulation and pedography.

Surgery is performed in high-tech, state-of-the-art laminar flow operating rooms (see opposite page) equipped with high-resolution image intensifiers, a variety of arthroscopes, endoscopes, a Zeiss operation microscope and ultrasound.

Reorientating measures after malunited fractures and dislocations of the ankle, calcaneus, talus and midfoot aim at regaining foot function and joint preservation.



Complex, multiplanar reconstructions are simulated three-dimensionally with preoperative CT-based software that allows virtual osteotomies on the computer. Left: malunited calcaneus fracture as 3D image and CT scan. Right: preoperative planning of the osteotomy and postoperative CT scan.



New implants are being developed for foot and ankle surgery in cooperation with the AO international.

Shoulder surgery

Acute and chronic instability of the glenohumeral, acromioclavicular and sternoclavicular joints is treated by open, minimally invasive and arthroscopic procedures. Special attention is paid to posttraumatic impingement and malunion of the proximal humerus. As with other reconstructive procedures, preoperative planning includes high-resolution ultrasound, CT and MRI.

Lower extremity and knee

Axial malalignment at the lower extremity and around the knee is corrected with intra- and extramedullary osteosynthesis after reorientating osteotomy. Reconstructive knee surgery includes open and arthroscopic procedures for chronic ligamentous instability and osteochondral defects (OATS).

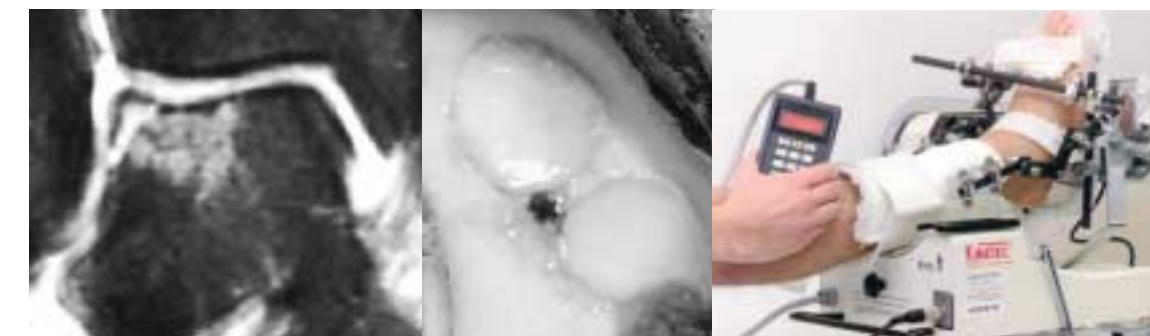
Hand surgery

Bony malformations, soft tissue problems (like defects, infections, contractures) and tendon dysfunction are treated to high standards. Nerve decompression for carpal tunnel syndrome is done endoscopically on an outpatient basis.

For postoperative rehabilitation our department cooperates with several facilities specializing in orthopaedic rehabilitation in the vicinity of Dresden. All of them are well equipped and situated in beautiful surroundings in traditional resorts.

Osteochondral defects at the knee and ankle are treated with autologous osteochondral grafting (left, middle)

Postoperative treatment includes active physical therapy and continuous passive motion (right)





CHAIR

Prof. Dr. med. Manfred Gahr
<http://www.tu-dresden.de/medkindh>



Working together, we provide our patients with their best hope for survival by extending to patients the most sophisticated technology available.



DEPARTMENT OF PAEDIATRICS

THE CHILDREN'S HOSPITAL IS COMMITTED TO FIGHTING DISEASES THROUGH OUTSTANDING INTEGRATED QUALITY PROGRAMMES IN PATIENTS COMPREHENSIVE DIAGNOSIS, CARE, RESEARCH, AND PREVENTION IN CLOSE COOPERATION WITH THE DEPARTMENTS OF PAEDIATRIC SURGERY AND PAEDIATRIC RADIOLOGY.

Paediatric endocrinology

The division is devoted to the care of children and adolescents with endocrine disorders: problems of growth and sex differentiation, early and late puberty, abnormalities of the pituitary gland and hypothalamus, disorders of the thyroid gland, the adrenal gland and the gonads, neuroendocrine problems and endocrine diseases following therapy for childhood cancer. Children with diabetes mellitus (type I, II and MODY) are also treated by specialized paediatricians.

Rheumatology / Autoimmune diseases / Immunology

Paediatric autoimmune disorders have been treated in the Children's Hospital in Dresden for several decades. In fact, Dresden was the first German hospital with a specialized outpatient department for disorders as juvenile rheumatoid arthritis, spondyloarthropathies, lupus erythematoses, dermatomyositis, vasculitis, uveitis and others. In addition, children with fever of unknown origin are also treated here.

Paediatric haematology / Oncology / Stem cell transplantation

Patients with all kinds of solid tumours and haematological disorders are treated. We are able to offer our patients the most sophisticated technology available (targeted systemic therapies, cellular therapy, immunotherapy). The facility is a full-service programme offering every form of autologous or allogeneic haematopoietic transplant (bone marrow, blood stem cell, cord blood).



The Oncology and Transplantation Unit maintains a separate building in which transplant candidates with all diagnosis are seen.



Paediatric gastroenterology

In the gastroenterology section, children and adolescents with disorders such as inflammatory bowel disease (M. Crohn, colitis ulcerosa), malabsorptive disorders (coeliac disease, enzyme deficiencies) and pancreatic disorders can be treated. The full spectrum of modern diagnostic tools (evaluation of auto-antibodies against intestinal tissue, videoendoscopy in sedation or general anaesthesia and radiologic investigation of the intestine) is offered.

Pulmonology and allergology

The pulmonology section is board-certified as a cystic fibrosis treatment centre and participates in national quality assessment protocols of patient care. Diagnostic tests (nasal potential difference, gastroenterologic examinations, lung function diagnostics and genomic analysis) are performed. In addition, all methods for the diagnosis and treatment of allergic disorders such as asthma, rhinitis and neurodermitis are available.

Sleeping disorders

Among the disturbances and irregularities in the pattern of sleep, sleep apnoea represents a real threat to a child's quality of life. The staff members share exhaustive experience in managing obstructive sleep apnoea, central or peripheral hypoventilation syndromes (e.g. Ondine's curse, neuromuscular diseases, cystic fibrosis or scoliosis) using polysomnography. Therapy by continuous positive airway pressure or noninvasive home ventilation often uses of individually fitted face masks.

Neonatology

Except for the treatment of all acute problems of premature babies and neonates, chronic disorders such as bronchopulmonary dysplasia, necrotizing enterocolitis, malformations, anaemia, hyperbilirubinaemia and metabolic disturbances can be managed by a team of outstanding neonatologists in the well-equipped neonatal intensive care unit. The sequelae of intracranial hemorrhage (hydrocephalus) are treated in cooperation with the paediatric surgeons.



CHAIR

Prof. Dr. Dietmar Roesner
<http://www.tu-dresden.de/medkichi>



DEPARTMENT OF PAEDIATRIC SURGERY

THE FIELD OF PAEDIATRIC SURGERY ENCOMPASSES THE RECOGNITION, MANAGEMENT (BOTH OPERATIVE AND CONSERVATIVE) AND FOLLOW-UP OF ILLNESSES, MALFORMATIONS, TUMOURS AND TRAUMATIC INJURIES IN CHILDREN.

The Department of Paediatric Surgery at the University of Technology Dresden was established in 1960 and has been providing optimal care for young patients in Dresden and the surrounding areas ever since. The department assists patients and families in the following fields:

- | Prenatal diagnosis and counselling
- | Newborn surgery (including the surgical management of malformations)
- | Paediatric trauma surgery
- | Surgical oncology in paediatric patients
- | Paediatric intensive care
- | General paediatric surgery
- | Outpatient surgery

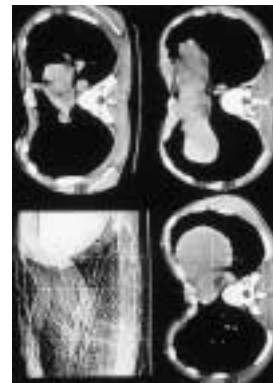
The expertise acquired throughout the years has enabled our department to become a regional reference centre for the management of paediatric surgical illnesses. Among our strengths, we emphasize the following areas:

Trauma surgery:

management of severely burned patients (including reconstructive plastic surgery procedures).

Surgical therapy in malformations:

Programmed interruption of pregnancy and the immediate surgical correction of anterior abdominal wall defects (omphalocele, gastroschisis). Surgical correction of skull deformities. Surgical management of hydrocephalus.



The figure shows a typical pre-operative CT scan of a child with funnel chest (Pectus excavatum)



A post-operative radiologic control of a child after a chest-bar implantation for the correction of funnel chest (according to the NUSS technique)



Late post-operative follow-up in four patients delivered in the 34th gestational week (programmed interruption of pregnancy) and immediately subjected to the surgical correction of a gastroschisis.

Surgical oncology:

Surgical therapy of solid and metastatic tumours.

Plastic surgery:

Correction of pectus excavatum (funnel chest) and pectus carinatum (pigeon chest) with minimally invasive techniques.

Diagnosis and investigation:

Manometry and ultrasound diagnosis in patients with defecation disorders (incontinence, constipation). Molecular-genetics diagnosis in patients with Hirschsprung's disease, oncology (medullary thyroid carcinoma, neuroblastomas) and abnormalities of the central respiratory control system.

To fulfil the numerous tasks required by the care of paediatric surgical patients, our physicians have at their disposal the advantages of:

- | a multidisciplinary paediatric intensive care unit.
- | a diagnostics area, well equipped and optimally suited for endoscopies, urodynamic assessment and esophageal pH monitoring.



This figure shows a patient before and after the surgical therapy of funnel chest syndrome (according to the NUSS technique).



CHAIR

Prof. Dr. med.habil.
Dr. med. dent. Uwe Eckelt
<http://www.tu-dresden.de/medmkg>



Computer-assisted surgery helps to correct malpositioned facial bones

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

AT THE DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY A WIDE RANGE OF SPECIALIZED SURGERY IS PERFORMED TO THE HIGHEST STANDARDS. OUTSTANDING SKILLS HAVE BEEN DEVELOPED IN THE PLASTIC AND RECONSTRUCTIVE SURGERY OF THE FACIAL REGION.

Craniofacial deformities

The surgeons of our team offer corrective treatment for congenital craniofacial deformities. In cleft lip and palate patients primary repair of the lip and palate are performed according to functional muscular reconstruction principles. Secondary procedures to correct bite function or to improve facial aesthetics, e.g. rhinoplasty, are used in an interdisciplinary approach together with orthodontist and ENT surgeons.

Other craniofacial deformities with retarded or prolonged development of facial areas (craniostenosis, retrogenia, progenia) are corrected using modern, minimally invasive techniques, e.g. bone stretching (osteodistraction), in addition to standard surgical protocols, e.g. advancement of the front, the maxilla, the mandible or setback of the mandible.



Two-years-old boy after correction a cleft lip and palate. Lip closure was performed at 4 months and palate closure at 9 months. No additional surgery was required.



A twenty-year-old man with progenia corrected with an advancement of the maxilla and a setback of the mandible to improve the profile.

Facial trauma

In cases of severe facial trauma, e. g. after car accidents, poor treatment of fractures and soft tissue injuries leads to functional deficits, e.g. in chewing, and to facial disfigurement. Corrective and reconstructive work to improve function and cosmesis is another of our highly specialized skills.

Computer-assisted surgery is used to correct malpositions of facial bones or to place bone grafts correctly in order to give a good aesthetic result, e.g. in orbita/midface reconstruction.

Loss of teeth after trauma or after periodontal disease often requires bone augmentation and dental implants. To improve facial aesthetics, soft tissue procedures are applied, e.g. face lift, fat augmentation, muscle transposition or neuromuscular grafts.

Tumors of head and neck region

In patients suffering from cancer, functional rehabilitation after ablative surgery restores quality of life. Dental implants and prosthodontic work maintain chewing function. Local and free microvascular flaps (fibula, radial forearm, scapula) bridging the resection defects prevent disfigurement in these patients. Here current techniques like osteodistraction and tissue engineering are state of the art at our Oral and Maxillofacial Department.



The loss of teeth due to periodontal disease or trauma requires preprosthetic surgery to increase the jaw bone. Osteodistraction can be used to create sufficient bone, so that dental implants can take crowns as prosthodontic rehabilitation.



CHAIR

Prof. Dr. med. Michael Meurer
<http://www.tu-dresden.de/medderma>



DEPARTMENT OF DERMATOLOGY

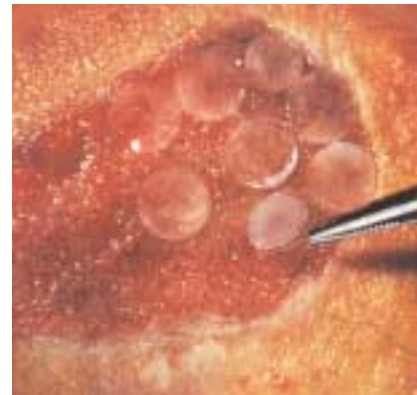
THE DERMATOLOGY DEPARTMENT OF THE CARL GUSTAV CARUS UNIVERSITY HOSPITAL IS A RENOWNED DIAGNOSTIC AND TREATMENT CENTRE FOR ALLERGIC AND AUTOIMMUNE DISEASES OF THE SKIN, FOR BENIGN AND MALIGNANT SKIN TUMORS, LASER TREATMENT OF VARIOUS SKIN CONDITIONS AND FOR AESTHETIC MEDICINE.

Allergies and autoimmune diseases

The Department of Dermatology is a centre for the management of chronic allergic diseases. It offers steroid-free treatment modalities for atopic dermatitis both in children and adults and has developed innovative treatment regimens for psoriasis and cutaneous autoimmune diseases using biologicals and intravenous immunoglobulins.

Skin tumours

The Department of Dermatology is a leading institution for the diagnosis and treatment of skin tumors and has introduced sensitive techniques for the early detection of primary melanoma or micrometastases using computer-assisted dermatoscopy and sentinel lymphnode dissection. The hospital also has experience



Grafting of skin ulcer with autologous keratinocytes cultured from hair follicle stem cells



Congenital pigment cell nevus before and after excision and plastic surgery



Correction of facial wrinkles with botulinum toxin (left), hair removal by using intense pulsed light technique (right)

with a wide range of surgical, photodynamic and immunomodulatory procedures for the treatment of skin tumours and with biotechnology to treat recalcitrant skin wounds or ulcers with stem-cell-derived cultured keratinocytes.

Laser treatment

The Department of Dermatology hosts one of the largest laser centres in Germany. The unit is equipped with the full array of lasers designed for various skin disorders ranging from haemangiomas in newborn to the correction of age-related skin changes in the elderly patient, from tattoo removal to treatment of varicose veins or hair disorders.

Aesthetic procedures

The Department of Dermatology meets the need of the modern society for aesthetics procedures by offering novel treatments aimed at correcting or improving aesthetic aspects of the skin. These include botulinum toxin injections, liposuction, eyelid surgery, fillings, peelings, dermabrasio and removal of scars or keloids.



Hemangioma in an infant before and after pulsed dye laser treatment



CHAIR

Prof. Dr. med. Heinz Reichmann
<http://www.neuro.med.tu-dresden.de>



DEPARTMENT OF NEUROLOGY

THE DEPARTMENT OF NEUROLOGY SPECIALIZES IN A VARIETY OF NEUROLOGICAL DISORDERS SUCH AS MOVEMENT DISORDERS, Cerebrovascular diseases, MULTIPLE SCLEROSIS AND MUSCLE DISORDERS.

Movement disorders (Parkinson's disease, dystonia)

In Parkinson's disease we focus on detecting patients at the preclinical or early disease stages. In cooperation with the ENT department we perform a test battery in patients at risk (with olfactory loss or family history) which consists of olfactory tests, sonography of the substantia nigra, motoric tasks and questionnaires, SPECT, PET, tremor analysis and autonomic tests. For non-responder or severe cases (severe focal or generalized dystonia) we offer the opportunity of deep brain stimulation in cooperation with the department of Neurosurgery.

Treatment with botulinum toxin

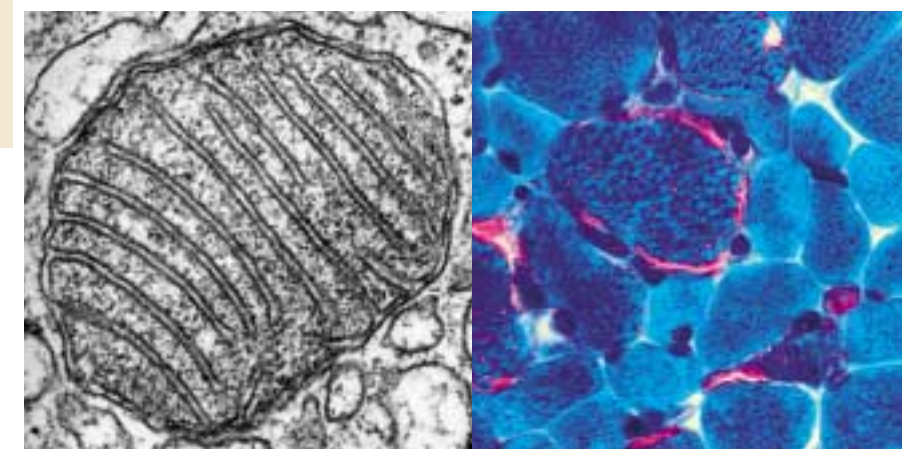
Botulinum toxin is the first-choice treatment for hemifacial spasm, blepharospasm and cervical dystonia. It is also used in other focal movement disorders (oro-mandibular and limb dystonia, head tremor), spasticity, tension-type headache and hypersalivation.

Muscle disorders

We offer the full range of routine diagnostic investigations for the assessment of muscle disease (EMG, nerve conduction studies, evoked potentials, exercise testing). Muscle and nerve biopsies (open or needle) are evaluated together with the department of Neuropathology or in cooperation with other national and international neurology departments. In addition we are specialized in metabolic muscle disease, in particular mitochondrial disorders. We focus on the biochemical and molecular diagnosis of mitochondrial fatty acid oxidation and respiratory chain defects.



Hand before and after treatment with botulinum toxin



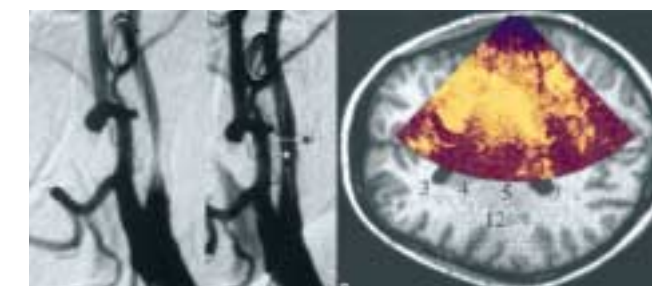
Angiogram of carotid artery stenosis before (left) and after stent-protected dilatation (right)

Cerebrovascular diseases

We treat about 500 patients a year in our Stroke Centre. Diagnostic and therapeutic management is performed to the highest standards using high-quality neuroimaging studies (computed tomography, magnetic resonance imaging, ultrasound), aggressive stroke therapy and an interdisciplinary approach to the stroke-prone patient (neurology, internal medicine, neuroradiology, neurosurgery, vascular surgery). Our stroke team is completed by specialized stroke nurses and highly trained staff for physical and logopaedic therapy. Rehabilitation is continued in two outstanding rehabilitation facilities at Kreitscha and Pulsnitz in the vicinity of Dresden. Together with the department of Neuroradiology and Vascular Surgery we check the eligibility of patients with blocked cervical or intracranial arteries for surgical or interventional recanalisation strategies (carotid endarterectomy, percutaneous transluminal stent-protected balloon angioplasty).

Multiple sclerosis

All diagnostic tools for the detection and verification of MS, as well as for differential diagnosis, are available and well established (blood and spinal fluid chemistry, clinical electrophysiology, magnetic resonance imaging). Depending on the clinical course, our patients receive antiinflammatory, immunosuppressive or immunomodulatory drugs. With respect to selection and dosage, we follow the most recent national and international guidelines. Recovery from relapses are supported by physiotherapy and, as required, by rehabilitation in specialized centres.



Assessment of cerebral perfusion with ultrasound





CHAIR

Prof. Dr. med. Thea Koch
<http://www.anaesthesie-dresden.de>

DEPARTMENT OF ANAESTHESIOLOGY AND INTENSIVE CARE MEDICINE

WE ARE AT THE LEADING EDGE OF ANAESTHESIOLOGICAL PATIENT
CARE-UP-TO-DATE, COMPASSIONATE, STATE-OF-THE-ART.

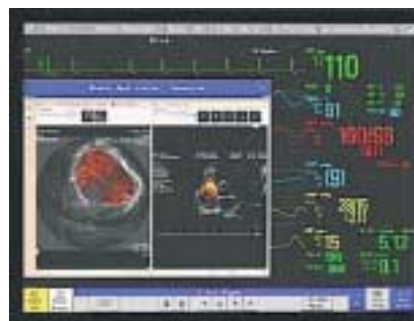
The Department of Anaesthesiology and Intensive Care at the University
Hospital Carl Gustav Carus stands for service in all fields of modern
anaesthesiology:

- | Clinical anaesthesiology
- | Intensive care medicine
- | Pain medicine
- | Emergency medical service

Our department consists of 65 board-certified or board-eligible anaesthesiologists
and conducts 25,000 procedures a year. The department values excellence in
clinical care, exemplary postgraduate education in anaesthesiology, critical
care and pain medicine and original and innovative basic science as well as
clinical research. We provide preoperative assessment, anaesthesia care during
procedures and medical management in our own postoperative care unit.
In addition, our intensive care unit and its critical-care staff allow moment-to-
moment medical care based on patients' needs. All postoperative patients are
taken care of by our 24-hour pain service.

Most recent developments of cardiocirculatory and cerebral monitoring

Non-invasive monitoring consisting of ECG, oxygen saturation, blood pressure,
and expired carbon dioxide is part of our standard intraoperative care. The
highest standards of anaesthetic care are available as required.



Intraoperative hemodynamic
monitoring



Post operative
intensive care unit



Our department is equipped with the latest and most sophisticated diagnostic
and therapeutic tools, such as echocardiography, transpulmonary indicator
measurements of cardiac output and extravascular lung water. Moreover, we
have developed and are using a non-invasive technique for the measurement
of pulmonary blood flow distributed world-wide. Aside from applying the latest
pharmacological agents of intravenous and inhalative anaesthetics, our
patients can benefit from inhalative nitric oxide as well as from renal or liver
replacement therapy, if necessary.

Central and peripheral nerve blockade techniques

Our department is a recognized centre of excellence for central or peripheral
nerve blockade techniques.

These techniques are applied under local anaesthesia and are very effective in
pain management. Optimal pain therapy in post-operative patients allows in
early ambulation, decreases respiratory and circulatory complications, and
leads to earlier patient discharge.

Epidural nerve blockade techniques are recommended for patients undergoing
major abdominal or thoracic surgery, particularly when coronary heart disease
or pulmonary disease is present.



central and peripheral
nerve blockade techniques



CHAIR

Prof. Dr. med. Jan Schulze
schulzej@rcs.urz.tu-dresden.de



DEPARTMENT FOR ENDOCRINOPATHIES AND CLINICAL METABOLIC DISEASES

THE DEPARTMENT HAS MORE THAN 30 YEARS OF EXPERIENCE IN THE TREATMENT OF PATIENTS WITH METABOLIC SYNDROME INCLUDING DIABETES MELLITUS TYPE 2 AND TYPE 1, COMPLEX GENETIC TRAITS OF DYS- AND HYPERLIPOPROTEINAEMIA, ENDOCRINOPATHIES AND DIABETES PREVENTION

Our specialities are the diagnostics and therapeutics of diabetes mellitus type 1 and type 2

This includes the management of treatment with oral anti-hyperglycaemic drugs and insulin therapy including insulin pump therapy. We also have a long-standing reputation in the management and complex treatment of all parameters of the metabolic syndrome.

We have excellent expertise in the management of the diabetic foot syndrome. We use complex therapeutic strategies in cases of infectious toxic gangrene (in angiopathic and neuropathic diabetic foot) including antibiotics, angioplasty, local wound treatment, skin transplantation, plastic surgery, diabetes-adapted footwear supply.

Our clinical and research work enables us to focus our treatment on the major diabetic complications such as microangiopathic complications (i.e. diabetic retinopathy, nephropathy), macroangiopathic complications and neuropathic complication.



Risk factors for the metabolic syndrome – their diagnostics and treatment is our expertise.



Patient reading and programming his insulin pump.

Another speciality is the diagnostics and treatment of gestational diabetes including glucose tolerance testing, nutritional counselling, insulin therapy in pregnancy (including continuous subcutaneous insulin infusions with pumps).

Prevention and complex therapy

In our department we developed and are offering diabetes prevention strategies including the diagnosis of prediabetes, nutritional counselling, weight reduction groups, physical training therapy, physiotherapy, psychological counselling for weight management and obesity treatment.

In addition to the above-mentioned we have strong expertise in establishing the diagnosis and in complex therapy of severe genetic traits of dys- and hyperlipoproteinaemia and metabolic syndrome as well as in complex therapy (including post-surgical follow-up) of patients with hormonal disorders and endocrine tumours.

Intensive patient care for diagnosis, treatment and research; e. g. advanced (H. E. L. P.) treatment for patient with severe lipid disorders.





INDIVIDUAL PATIENT SERVICE

INDIVIDUAL CARE AND INDIVIDUAL PATIENT SERVICES ARE OUR STRENGTH

The Dresden University Hospital has a highly motivated and excellently trained team of nursing staff. Most of them speak English. Together with our doctors, service team and interpreters, we guarantee you a pleasant stay and optimal medical care in Dresden.

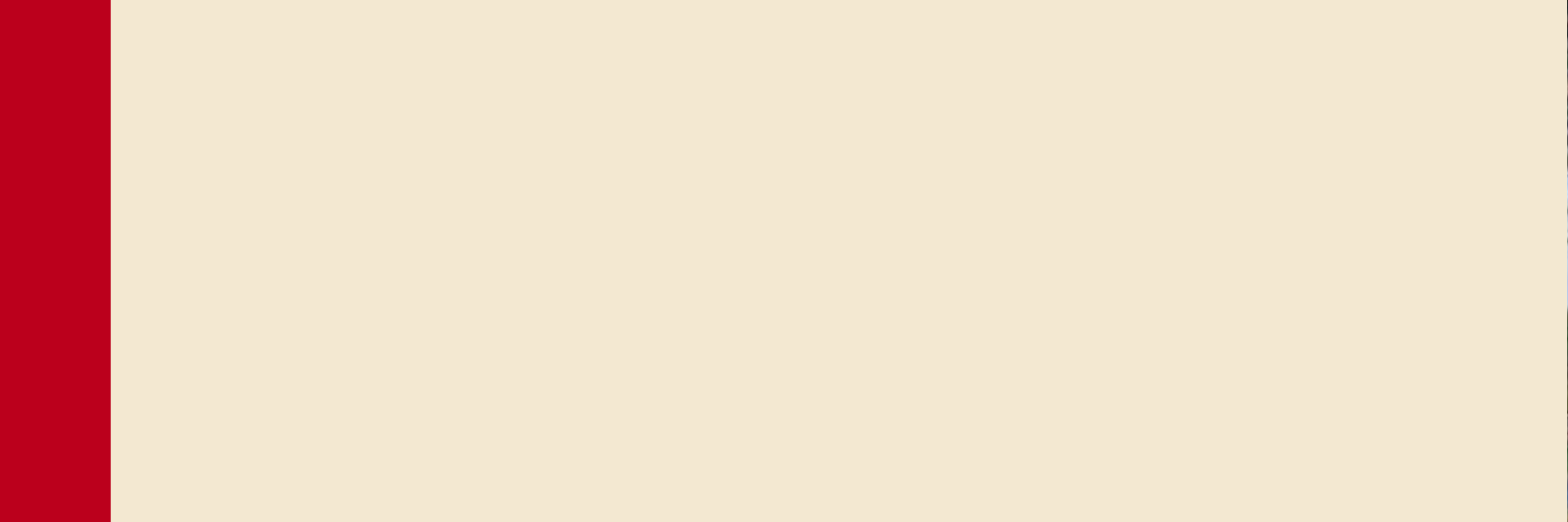
The hospital catering department serves international food and will take account of your ethnic and religious preferences. You also will find cafeterias, snack bars and international restaurants near the hospital.

Comfortable care in single rooms with telephone, television and Internet access is available. People accompanying you will be accommodated in nearby hotels (all categories available). Some offer apartments with kitchenette. If your state of health allows, you can stay at a hotel and our therapists can attend to your needs there.

There are several rehabilitation hospitals located in the hospital area. All can look back on a long tradition, are excellently equipped and offer individual and effective therapy, care and catering according to your specific needs. The University Hospital cooperates with these institutions and has established coordinated procedures.

A quality management system has been in place since 2000 covering the necessary structures, resources and techniques together with the continuous support of management. The Quality Management Department is responsible for the coordination of several projects involving all professions and institutions aiming to improve patient and staff satisfaction. We work on the principle that the best ideas and suggestions come from our patients.





DRESDEN – FLORENCE ON THE ELBE



DRESDEN IS A CHARMING CITY WITH A UNIQUE BLEND OF ART AND CULTURE, BUSTLING, CREATIVE URBAN DISTRICTS AND A FASCINATING ALTERNATIVE SCENE

The city has been given many attributes, such as “Florence on the River Elbe” because of its art treasures, or “Athens for artists” in reference to the antique collections in the Zwinger. Elector August the Strong wanted to turn his residence into a centre “Venice on the Elbe” in the mid-eighteenth century. These characterizations are no exaggeration. Just stand on the northern banks of the Elbe and look across to the Old Town, and you will be enchanted by the beautiful panorama.

The city has experienced both splendid eras and times of tragedy. It was a magnificent centre of European politics, culture and economic development during the 18th century, only to become a synonym for apocalyptic destruction just two centuries later. The reconstruction of the Frauenkirche church stands as a symbol for the latter part of the city's history.

And where else could you walk leisurely from Raffae's Sistine Madonna to one of the most fascinating auto plants in the world – Volkswagen's transparent factory right in the heart of the city.

You don't have to go far to see the city's main sights. They're right in the heart of the town.





CULTURE IN DRESDEN

"DRESDEN GAVE ME GREAT PLEASURE, AND MY DESIRE TO THINK ABOUT ART WAS REVIVED. THERE ARE UNBELIEVABLE TREASURES OF ALL KINDS IN THIS BEAUTIFUL PLACE."

JOHANN WOLFGANG VON GOETHE

Similar conclusions, perhaps in more modern words, are made today by visitors who explore the city with an attentive eye and are receptive to the uniquely harmonious blend of art, culture and natural beauty. Celebrated orchestras – like the Saxony Staatskapelle, the Dresden Philharmonic and the Kreuzchor boys' choir – all testify to this, as do world-famed collections of paintings, porcelain and Germany's oldest art academy.

A green city

With 63 percent of its area covered by woods and green spaces, Dresden can be considered one of the greenest cities in Europe. The heathland of the "Dresdner Heide" embraces the city in the north, while the Grosser Garten park spreads out extensively at its very heart. The blue-green ribbon of the Elbe river lined by broad meadows and gentle vineyards, winds its way through the city.

Architecture – from Baroque to Modernity

The residence of the Saxon electors and kings have brought forth important architectural gems since the 16th century. Yet the fame of Dresden's architecture is founded on its Baroque buildings, like the Zwinger and George Bähr's Frauenkirche church. The Classicist years represented a second important zenith in the city's development with Schinkel's guardhouse on the Theaterplatz square, along with the art gallery and opera house by Gottfried Semper, which were created in the style of Historicism.

But innovative architecture also has a place in this city. Hans Erlwein created a series of pioneering municipal buildings, the district of Hellerau was the first „garden town" in Germany and the central train station is currently being renovated using a design by Sir Norman Foster.

At the Hotel Taschenbergpalais guests reside in a luxurious palace which August the Strong once built for his beloved Countess Cosel.





WELCOME TO DRESDEN



CONTACT

Universitätsklinikum Carl Gustav Carus

Fetscherstraße 74

01307 Dresden

Telefon (0351) 4 58 - 24 62

Telefax (0351) 4 58 - 43 18

www.uniklinikum-dresden.de

med.vorstand@uniklinikum-dresden.de