



International Medical Service (IMS)

University Hospital Bonn (UKB)





contact:

University Hospital Bonn

International Medical Service (IMS)
Sigmund-Freud-Str. 25
53127 Bonn

Lina Demir

Fon 049 228-287 14464

Head of department International Medical Service, German, Arabic, English

Oleg Obolenski

*International Medical Service Project management Russian
Federation and CIS, German, Russian, English
Fon 0049 228-287 14463*

secretariat

Carmen Zimmermann-Chammas

Fon 049 228-287 14465

Fax 0049-228-90 13487

E-Mail: ims@university-hospital-bonn.de

www.university-hospital-bonn.de

Dear ladies and gentlemen,

the University Hospital (Universitätsklinikum Bonn, UKB) of Bonn is among the leading hospitals in Germany and internationally. Our Medical Center in the former Capital of Germany is worldwide recognized for advanced medical care particularly for the treatment of complex disorders. We offer the whole spectrum of modern state-of-the-art medicine. Specialists from various fields in different departments cooperate closely to guarantee the best medical services for our patients.

The UKB is also widely known as one of the leading research and teaching institution in the world with acknowledged achievements in several areas.

The hospital is situated on the Venusberg (see front picture), in an area rich in

forests and outdoor nature, overlooking the romantic Rhine valley.

Bonn, the birthplace of Ludwig von Beethoven, not only is the city of many German Ministries and the second residence of the President of the Federal Republic of Germany, but also hosts a lot of United Nations agencies.

For many years now, several thousand patients from outside our country have been successfully treated in our hospital, and you as international patient and their doctors, are most welcome to contact us any time.

Yours sincerely,



Professor Dr. med. Dr. h.c. mult. Wolfgang Holzgreve, MBA
Medical Director and CEO

Email: wolfgang.holzgreve@ukbonn.de

Tel.: 0049-(228) 287-10900

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The department of Anaesthesiology and Critical Care Medicine works in all four areas of modern Anaesthesiology: In addition to anaesthesia and intraoperative management of patients during surgery our department also treats all patients in surgical critical care units, covers the emergency medicine and is providing special pain service for postoperative patients as well as for chronic pain patients.

Every year the department of Anaesthesiology takes care of more than 28.000 patients during surgical, therapeutic and diagnostic procedures. For this purpose the specialist in all areas of anaesthesiology are applying the most advanced methods, procedures and therapies at the scientific cutting edge of modern medicine.

”

Focus of Treatment:

Anaesthesiology

Balanced, intravenous as well as regional anesthesia techniques, postoperative pain treatment, hemodynamic monitoring using invasive catheter procedures (thermodilution, pulscontour-analysis) transesophageal echocardiography (TEE) and brain monitoring by electroencephalography

Intensive Care

General Surgical, Cardiac, Neuro- and Neurorehabilitative Intensive Care

Medical Emergency Team Pain Medicine

Outpatient treatment of patients with chronic pain; multimodal inpatient pain management; postoperative pain management with 24/7 care; consultancy for pain care of hospitalized patients



Univ. Prof. Dr. Andreas Hoeft

Medical Director of the Department of Anaesthesiology and Intensive Care

Department of Anaesthesiology and Intensive Care
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

www.kai.uni-bonn.de

Department of Cardiac Surgery

“

Every day we work with great commitment to meet the expectations of our patients. Our successful concept combines power in medical performance with modern technical equipment at the department for cardiac surgery of the University Hospital Bonn, where we have a highly motivated and patient oriented staff.

An excellent and well trained team of medical specialists guarantees the best medical treatment in diagnosis and therapy of cardiac and vessel diseases.

Our department performs more than 1.700 operations per year, 1.000 of them are assisted by heart lung machine as well as coronary surgery on the beating heart.

“



Focus of Treatment:



Diagnostic Spectrum of Performance

Computer tomogram (CT) of the heart; defibrillator (ICD) – follow-up examination; diagnostic of pulmonal hypertension; echocardiography; electrophysiologic diagnostics; heart insufficiency diagnostics; long term ECG; left heart catheter diagnostics and coronary angiography; right heart catheter diagnostics; magnetic resonance tomography (MRT) of the heart; pacemaker; stress echocardiography

Therapeutic Range of Performance

Bypass surgery; surgery of congenital cardiac malformations; defibrillator implantation; removal of defibrillator and pacemaker by laser therapy; vessel surgery (thoracic aorta, abdominal aorta, carotid arteries); reconstruction of the heart valve; pacemaker implantation; cardiac supporting systems; hybrid surgery; paediatric heart surgery; heart valve surgery; minimally invasive coronary bypass- and valve surgery; transcatheter aortic valve implantation (TAVI)



Univ. Prof. Dr. Armin Welz

Medical Director of the Department of Cardiac Surgery

Department of Cardiac Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

“

The Department of Oral Surgery is part of the University Dental Clinic in Bonn.

The treatments in our section include any kind of oral surgery for example extractions, apicectomy, surgical removal of wisdom teeth and other impacted teeth, removal of benign tissue changes and cyst surgery, augmentation procedures and implantology as an interdisciplinary approach together with the Department of Prosthodontics.

“



Focus of Treatment

Oral Soft Tissue Lesions

Dental Injuries

Accidental injuries of the teeth and jaws involving children and adolescents; tooth transplantation and replantation

Periodontal Surgery

Membrane techniques and bone formation

Implantology

Including bone grafting with endogenous bone, bone substitutes and Guided Bone Regeneration (GBR), prosthodontic surgery



Univ. Prof. Dr. Gerhard Wahl

Medical Director of the Department of Dental Surgery

Department of Oral Surgery
University Hospital Bonn
Welschnonnenstr. 17
53111 Bonn
Germany



“

The diagnostic spectrum of our dermatology department covers the entire field of skin diseases and associated field, in particular, special blood tests, fungal findings, skin biopsies for histological examination, specialized associations and light therapy. Typical diseases are inflammatory skin diseases such as eczema, psoriasis and skin tumors (e.g., white or black skin cancer), but also allergies, blistering diseases, infections of the skin or mucous membranes caused by viruses, bacteria or fungi as well as chronic wounds and ulcers.

“

Focus of diagnostics and treatment

Common inflammatory and infectious skin diseases

Psoriasis, auto-immune diseases, scleroderma, microbial, viral and fungi infections
Vitiligo and other pigmentary disorders

Laser therapy of vascular malformations and precancerosis

Medical and surgical treatment of skin cancer (partner in the CIO, Center of Integrated Oncology Bonn-Cologne)

Early detection and management of non-melanoma skin cancer, malignant melanoma and others

Allergic diseases

(Center of Excellence for Research and Patient Care in Allergy of the Global Allergy and Asthma European Network)

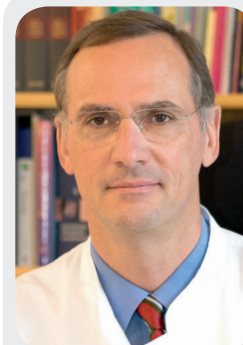
Allergic rhinitis, atopic dermatitis, allergic contact dermatitis, urticaria, drug intolerance

Dermatologic Angiology and Phlebology

Vascular disease, particularly varicose veins

Andrology

Reproductive functions of men and dysfunctions of sexual development



Univ. Prof. Dr. Dr. Thomas Bieber

Medical Director of the Department of Dermatology and Allergy

Department of Dermatology and Allergy
University Medical Center
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Tel: 0049 (0) 228 2871 5846
Fax: 0049 (0) 228 2871 1810
E-Mail: P-Ambulanz.derm@ukbonn.de



“

For many people having a family and raising children means a fulfilled and happy life.

As society changes and especially with new opportunities in living and career planning for women, the prolonged life expectation and environmental changes lead to a growing number of couples whose desire for children cannot be easily fulfilled. Approximately 10 to 15 percent of couples in the reproductive age suffer from unwanted childlessness.

The University Hospital Bonn is holding a pioneer role in assisted reproduction. It's our commitment and goal to improve chances for couples to receive a desired child by constant research and clinical service

“

Focus of Treatment

Desire for Children

Intrauterine insemination (IUI) (assisted reproduction); in-vitro-fertilisation; intracytoplasmic sperm injection; microsurgical epididymal sperm aspiration

Hormone Disorders

Hormone imbalances (loss of hair, acne, increased body hair distribution, disturbances of the menstruation and monthly cycle)

Maintenance of Fertility (Desire for children following successful oncologic therapy)

Drug assisted/driven therapeutic strategy to protect the ovaries during chemotherapy; cryo-conservation (freezing of fertilised ova, of unfertilised eggs, of ovary tissue); surgical transposition/dislocation of the ovaries during radiation; cryo-conservation in men (semen storage, sperm from testicular tissue)

Repeated Miscarriage

Therapy of thrombophilia; progesterone therapy; immune-modulation; metformin; therapy of idiopathic repetitive abortion



Univ. Prof. Dr. Hans H. van der Ven

Medical Director of the Department of Endocrinology and Reproductive Medicine

Department of Endocrinology and Reproductive Medicine
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

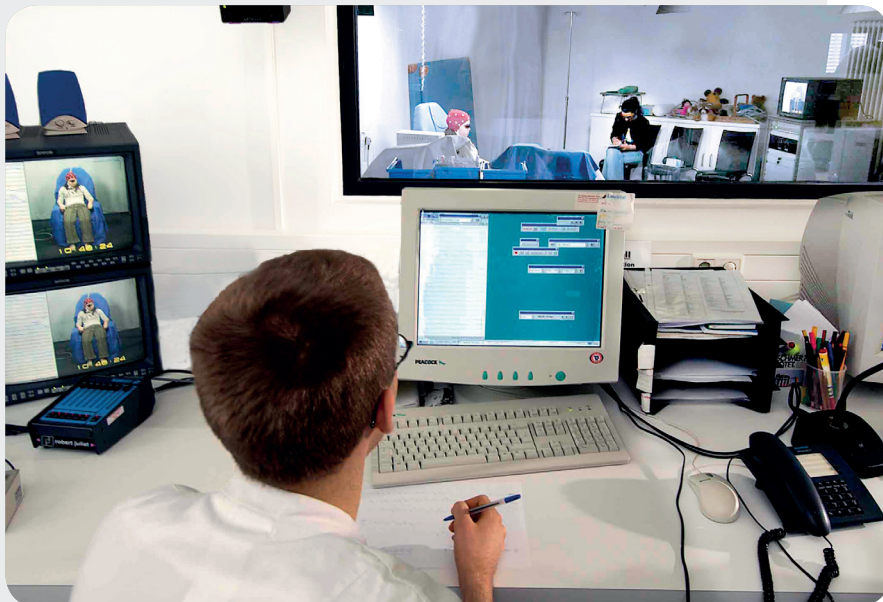
Department of Epileptology

“

Our department for epileptology in Bonn with several related institutions is one of the leading epileptologic centers in Germany and Europe providing the highest level in medical care. Therefore the full range of nowadays modern diagnostic and therapeutic equipment is available to serve you.

In the outpatient section 3000 patients a year from home and abroad are treated.

“



Focus of Treatment

Epilepsy Surgery

Diagnostics:

Examinations to identify the focus of seizures (Video EEG-long-term-monitoring magnetic resonance tomography (MRT); positron emission tomography; electrocorticography)

Surgery:

Curative (removal of specific brain area triggering cerebral seizures, focal resection)

Palliative:

Interruption of certain neural paths causing seizure activity; disconnection

Brain Stimulation

Vagus nerve stimulation; deep brain stimulation



Univ. Prof. Dr. Christian E. Elger
Medical Director of the Department of Epileptology

Department of Epileptology
University Hospital Bonn
Sigmund-Freud-Str. 25
53105 Bonn
Germany

www.epileptologie-bonn.de

Department of General Paediatrics



“

We are pleased to introduce you our department with a wide range of medical services.

In our department for paediatrics we care for children, young people and their parents from the newborn period until early adulthood. There are four hospital wards available. Our team consisting of medical doctors, nurses, psychologists and other medical staff will work to shorten the hospital stay of your child as much as possible and therefore keep it most pleasant for your child.

“

Focus of Treatment

Allergology, Pulmonology and Mucoviscidosis

Patients with chronic pulmonary disease (asthma, interstitial lung disease, mucoviscidosis) along with allergic diseases (pollinosis, atopic dermatitis, insecticide- and food allergy, urticaria)

Endocrinology and Diabetology

Hormonal disturbances; diabetes mellitus; diabetes insipidus; suggestive signs concerning the physical development of a child (child is over- or underweight, enlarged thyroid, frequent bone fractures)

Gastroenterology and Hepatology

Chronic abdominal pain; ulcerative colitis; Crohn's disease; gastroesophageal reflux disease; *Helicobacter pylori*; gastritis, failure to thrive; pancreatitis; occult blood testing (stool); high liver parameters; hepatitis B; hepatitis C; autoimmune hepatitis; biliary atresia; fibrosis and cirrhosis of the liver before and following liver transplantation; partial parenteral nutrition

Immunology and Rheumatology

Diseases of the bones, muscles and of connective tissue; children with hypo- or



hyperfunction of the immune system; specific diseases (juvenile rheumatoid arthritis, collagenoses, vasculitides, children with uveitis)

Neuropaediatrics and Developmental Neurology

Epilepsy; chronic headache disorders; infantile cerebral palsy; motor and cognitive developmental disturbances; neuromuscular diseases; malformations of brain and spinal cord; neurodegenerative and neurometabolic diseases; syndromal diseases with nervous system disorders; movement disorders



Univ. Prof. Dr. Rainer Ganschow

Medical Director of the Department of General Paediatrics

Department of
General Paediatrics
University Hospital Bonn
Adenauerallee 119
53113 Bonn
Germany

Department of General, Visceral-, Thoracic and Vascular Surgery

“

Almost 40 medical doctors as well as 100 nurses and other medical staff take care of our patients 24 hours a day. Besides the inpatient treatment with approx. 3.000 operations we offer you an outpatient care with almost 15.000 patients/year.

We perform common surgical diseases up to the complete treatment of high risk patients, who will be treated by experienced specialists for their disease. Therefore the variety of necessary surgical options and further treatment after the discharge from the hospital are offered. Our staff consists of specialized teams to guarantee you the best expertise in planning and realisation of your treatment.

“



Focus of Treatment

General Surgery

Skin abscess; minimal invasive thyroid gland surgery; surgery of inguinal hernia as well as complex tumor diseases concerning this organs; surgery of hormone-producing glands (endocrinologic surgery); thyroid and parathyroid gland; adrenal gland and pancreas

Visceral Surgery

Surgery of the intestinal system (gastro-enterological surgery); oesophagus; stomach; small and large intestine; spleen; liver; gall bladder system

Thoracic Surgery

Diseases of the lung; ribs- and pulmonary pleura; (pleura parietalis and visceralis); mediastinum and chest; surgery of lung cancer and of metastases (secondary tumors) and tumors of other organs

Vascular Surgery

Surgery of diseases in the artery/vein and lymph vessels

Oncological Surgery

Oesophageal cancer, gastric cancer; pancreatic cancer; surgery of metastases and peritoneal carcinomatosis

Paediatric Surgery

Premature and newborn patients, children's urology (e.g. undescended testicles); abdominal surgery and general children's surgery; thoracic surgery; minimal invasive surgery

Transplantation

Liver-, pancreas- and kidney transplantation; visceral transplantation



Univ. Prof. Dr. Jörg C. Kalff

Medical Director of the Department of General, Visceral-, Thoracic and Vascular Surgery

Department of General, Visceral-, Thoracic and Vascular Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany
www.chirurgie-unibonn.de

Internal Medicine I
Department of Gastroenterology and Hepatology, Nephrology,
Infectious Diseases, Endocrinology and Diabetology



“

Our objective is to offer our patients individualized, comprehensive diagnostic procedures, and therapies before and after treatment. Our range of services includes comprehensive up to date diagnostics and therapies including consultations and post-treatment follow-up.

“

Focus of Treatment and Diagnostics

Diseases of the Esophagus, Stomach, the Bowel and the Liver

Diagnostic and therapeutic endoscopy; gastroenterological diagnostics; capsule endoscopy; fibroscan checkup; duplex sonography of abdominal vessels; photodynamic therapy; papillar manometry; outpatient care of patients before and after liver transplantation; care of patients with tumor diseases of the gastrointestinal, liver and biliary tract

Transplantation

Transplantation of liver, kidney and pancreas in cooperation with the department of Surgery and Urology

Gastrointestinal Oncology

Tumors of the digestive tract and the liver in cooperation with the Center for Integrated Oncology (CIO) as well as rare hereditary intestinal tumor syndromes in cooperation with the department of Genetics

Infectious Diseases

Infectious diseases including HIV / AIDS, hepatitis, tropical diseases, gastrointestinal infections

Kidney Diseases and Dialysis

Acute and chronic renal diseases including renal replacement therapy, plasmapheresis and immune absorption

Endocrinology

Diagnosis and treatment of: thyroid diseases, diseases of the pituitary gland, disorders of bone metabolism, disorders of calcium and phosphate metabolism, diseases of the adrenals, diseases of the gonads

Diabetology

Structured training programs (Type 1- and Type 2 diabetes, obesity)



Prof. Dr. Christian P. Strassburg
Medical Director of the Department Internal Medicine I

Department of
Internal Medicine I
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn

Germany

Department of Internal Medicine II

Cardiology/Angiology/Pulmonology/Intensive Care Medicine

“

Cardiology has undergone dramatic and very promising changes during the last decade giving hope to many patients who had so far no treatment option. Many exciting new technologies and innovative treatment options have been introduced in clinical routine. At the Department of Cardiology, Angiology and Pneumology we provide world-class diagnostic, treatment, consultation, and follow-up care using state of the art equipment for local, national, and international patients.



Our department headed by Prof. Georg Nickenig places strong emphasis on research and education as the basis for innovative and highest-quality medicine. Experienced clinical and scientific researchers conduct studies in partnership with many renowned clinics and institutions throughout the world. Our interventional experts are among the very few physicians worldwide, who are regularly invited to perform highly complex procedures that are live transmitted to the most established interventional meetings, the TCT (Transcatheter Cardiovascular Therapeutics) and the JIM (Joint Interventional Meeting).

Our department covers the full spectrum of heart and vascular pathologies, starting with critically ill patients suffering from heart attacks or valvular disease to chronic patients suffering from heart failure or cardiac arrhythmias up to patients seeking for preventive care or in need of a second expert opinion. Furthermore, we provide expert treatment for patients suffering from pulmonary diseases like chronic obstructive pulmonary disease, asthma, pneumonia, sarcoidosis or pulmonary cancer.

In order to achieve the best possible treatment results we closely cooperate with our partner department of cardiac and thoracic surgery.

“

Focus of Treatment

Emergency care

Emergency intervention is available 24h daily for severe cardiac/vascular/pulmonary events such as heart attack (myocardial infarction), congestive heart failure, severe arrhythmia, pneumonia or other conditions that require immediate care, monitoring, diagnosis, and treatment.

Chronic care

Chronic patients suffering from heart failure, coronary artery disease, peripheral artery disease, arterial hypertension, arrhythmia, valvular disease or inflammatory diseases of the heart, lung and vascular system receive

individualized care from cardiology specialists via our outpatient clinic services, the cardiac catheterization lab, or our inpatient unit. Our outpatient clinic provides state of the art diagnostic methods including 3D echocardiography, different kinds of stress testing and high resolution duplex sonography, computer tomography and magnetic resonance imaging. In close cooperation with the departments of gynaecology and pediatric cardiology we treat women with structural heart disease before and during their pregnancy in our outpatient clinic for adults with congenital heart disease.

Catheterization treatment

The catheterization and interventional cardiology unit provides the complete range of diagnostic and treatment services for coronary artery disease and is recognised for its long established and sophisticated program for transcatheter valve replacement avoiding open heart surgery. Furthermore, we provide state of the art technologies like interventional left atrial appendage occlusion, transcatheter mitral valve reconstruction, persistent foramen ovale occlusion, interventional occlusion of paravalvular defects and catheter based renal denervation for treating arterial hypertension.

Treatment of arrhythmia

Our electrophysiological unit provides the interventional treatment of arrhythmias beginning with atrial fibrillation to disturbances in the electrical heart conduction system, ventricular tachycardia, cardiac arrest, pacemaker and implantable cardioverter/defibrillator therapy and resynchronisation therapy.

Treatment of pulmonary disease

Our pulmonary unit employs the latest techniques in treating pulmonary diseases. Most recognised is our program for treating pulmonary emphysema via bronchoscopic minimal invasive implantation of pulmonary valves.

Vascular medicine

The unit for conservative and interventional angiology does not only provide the complete range of state of the art check-up services, but also diagnostics and treatment services for peripheral and cerebral artery disease. Our interdisciplinary vascular medicine team is recognised for both, its interdisciplinary percutaneous revascularisation and its minimal-invasive aortic repair programs allowing individualized treatment of our patients.



Univ. Prof. Dr. Georg Nickenig
Medical Director of the Department
of Internal Medicine II

Department of
Internal Medicine II
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Internal Medicine III

Oncology / Hematology and Rheumatology

“

The main focus of our department of Internal Medicine III are the sectors hematology, oncology, rheumatology and stem cell therapy.

It deals with the diagnosis and therapy of benign and malignant diseases of the blood and bone marrow (hematology) as well as with the development and treatment of solid tumors and tumor-related diseases (oncology). It is our primary task to offer and develop the best diagnostic and therapeutic measures for our patients.

“



Focus of Treatment

Hematology

Autologous and allogeneic stem cell transplantation; acute myeloid leukemia (AML); myelodysplastic syndromes (MDS); multiple myeloma (malignant plasma cell disorder); chronic myeloproliferative disorders; chronic myeloid leukemia (CML); polycythemia vera (PV); essential thrombocythemia (ET); idiopathic myelofibrosis/myelofibrosis (IMF, OMF); high and low grade Non-Hodgkins lymphoma, Hodgkins lymphoma, anemias, non-malignant hematological diseases, vasculitis and auto-immune disorders

Onkology

Bronchial tumors, gastrointestinal tumors; thyroid carcinoma; sarcoma; head and neck tumors; infections in hematology-oncology; bronchial tumors; gastrointestinal tumors; bone sarcomas; diagnosis and treatment of carcinoma of unknown primary tumor; therapy of renal cell carcinoma in particular immunotherapy; germ cell tumors; neuroendocrine tumors; histiocytosis



Univ. Prof. Dr. Peter Brossart

Medical Director of the Department of Internal Medicine III

Department of
Internal Medicine III
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany



“

At present we are treating more than 500 critically ill newborn patients every year.

More than one hundred are very low birthweight infants with a gestational age of less than 32 weeks and a birthweight less than 1.500 g. More than one hundred newborns with congenital malformations, needing a surgical procedure in the neonatal period, are treated in our department.

“



Focus of Treatment

„Extremely“ preterm infants

Therapy and treatment of „extremely“ preterm infants (less than 1.000 g. birthweight)

Lung Failure

High-frequency oscillation (HFO); nitrous oxide (NO); extra-corporal membrane oxygenation (ECMO)

Multiple Births

Twin-to-twin transfusion syndrome (TTTS); triplets; diseases caused by twinning

Congenital Malformations

Brain; heart and blood vessels; neuromuscular diseases; gastrointestinal tract; lung; kidneys and efferent urinary tract

Other Areas of Specialization

Fetal blood disease/ blood group incompatibility; immunological diseases; intrauterine growth retardation (IUGR), infections during pregnancy



Univ. Prof. Dr. Andreas Müller

Medical Director of the Department of Neonatology

Department of Neonatology
University Hospital Bonn
Adenauerallee 119
53113 Bonn
Germany



“

Our Department of Neurology offers a complete clinical treatment for all neurologic diseases. The clinical and scientific focus is on neurodegenerative diseases, brain tumors, muscle disorders, cerebrovascular diseases and multiple sclerosis.

After an accurate neurologic examination, it's very often possible to locate brain or spinal disturbances.

In other diseases, e.g. Parkinson's disease merely the medical history and clinical examinations may lead to an accurate diagnosis.

”

Focus of Treatment

Neurodegenerative Diseases

Chronic brain diseases (circulation disturbances or inflammations); Alzheimer's disease; Parkinson's disease

Brain Tumors

Brain tumors (glioma, meningioma, lymphoma); tumors of the spinal cord; metastases of other malignant tumors

Muscle Disorders

Muscle weakness or muscle atrophy and degeneration; muscle infection (myositis)

Multiple Sclerosis

Chronic inflammatory diseases of the brain und spinal cord



Univ. Prof. Dr. Thomas Klockgether

Medical Director of the Department of Neurology

Department of Neurology
University Hospital Bonn
Sigmund-Freud-Straße 25
53127 Bonn
Germany

Department of Neurosurgery

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Our department complex spinal surgery. The university hospital Bonn is one of the national and international leading centers for neurooncology and cerebrovascular diseases.

Furthermore, Bonn has developed during the last 20 years to the one of the largest surgical epilepsy centers worldwide.

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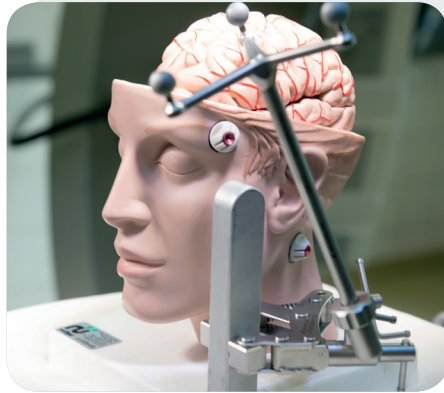
Focus of Treatment

Paediatric Neurosurgery

Operative treatment of all pediatric malformations using state-of-the-art techniques including intra-operative MRI and endoscopy. This includes: the surgical correction of encephalocele and meningocele, spina bifida and tethered spinal cord syndrome, the treatment of hydrocephalus with shunt systems or endoscopic techniques, the correction of developmental anomalies like craniosynostosis, and surgery for pediatric brain and spinal tumors like medulloblastoma, ependymoma or PNET. The division places special emphasis on epilepsy surgery in children. The interdisciplinary management of patients occurs through collaboration with the Dept. of General Pediatrics, Pediatric Oncology, Neonatology and Epileptology.

Neuro - Intensive Care Unit (NICU)

Neurocritical care is performed in a specialized unit by an interdisciplinary team consisting of neurosurgeons, neurologists,



and anesthesiologists. The focus of the NICU is the treatment and monitoring of patients suffering from traumatic brain injury, stroke, intracerebral hemorrhage and subarachnoid hemorrhage.

Epilepsy Surgery

Epilepsy surgery consists of the conventional and stereotactic implantation of invasive diagnostic tools like grids and electrodes, the stimulation of cerebral structures (e.g., vagus nerve stimulation) and techniques to precisely resect the epileptic focus (foci) of the brain. Further techniques such as hemispherectomy or callosotomy may be used in selected cases. Presurgical evaluation, operative treatment, and post-operative management are performed in close cooperation with the Dept. of Epileptology. Both departments together forming the Bonn Epilepsy Center.



Neurovascular Surgery

Neurovascular surgery consists of the treatment of intracranial aneurysms by operative clipping or endovascular coiling (done by specialized interventional Neuroradiologists), the treatment of cavernomas and arteriovenous fistulas, and the therapy of cerebral arteriovenous malformations (AVM) by the best combination of all treatment options: endovascular embolization, operative resection, and radiosurgery. Additionally, extracranial-intracranial bypass surgery may be performed in selected cases. Ultimately, we strive to find a tailored solution for each individual patient.

Spinal Surgery

Diagnosis and treatment of all kinds of spinal disorders from back pain to complex malformations, infections, tumors or degenerative diseases. All procedures are performed as minimally invasive as possible and with a maximum of safety. To make this possible, we employ microscopy, neuronavigation, electrophysiological monitoring, and percutaneous methods.

Surgery of brain tumors / Skull base surgery

In most brain tumors, we strive to completely resect the tumor without any loss of neurological function. Therefore, the balance between radicality of resection and safety is of utmost importance. Our latest state-of-the-art techniques (e.g. intraoperative MRI, neuronavigation, electrophysiological monitoring) support our experienced neurosurgeons in the safe and radical resection of gliomas, brain metastases, and other intracranial tumors, many of which wouldn't have been resectable just a few years ago. The combined micro- and radiosurgical treatment of pituitary adenomas, acoustic neuromas, chordomas, and other tumors of the skull base is also a focus of our department.

Functional Neurosurgery

This division consists of the treatment of Parkinson's disease, psychiatric disorders and complex pain syndromes refractory to conventional therapy by deep brain, cortical, or spinal stimulation.



Univ. Prof. Dr. Hartmut Vatter

Medical Director of the Department of Neurosurgery

Department of Neurosurgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Nuclear Medicine



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The department of nuclear medicine of the University Hospital Bonn provide all diagnostic and therapeutic procedures using radiopharmaceuticals. Our department is one of the few institutions worldwide, which offers the complete spectrum of therapies using the newest methods. The methods of our field is based predominantly on a specific enrichment of

different radiopharmaceuticals. In this metabolic pathway, blood flow and tumor-specific accumulation mechanisms are utilized. This leads to a specific radioactivity accumulation in the various organs, which is used for imaging. Today, hybrid methods such as PET-CT and SPECT-CT play an important role. The results of the different imaging modalities are fused, so that the high spatial resolution of the CT is connected to the high-specific resolution.

“

Focus of Treatment

Diagnostic

DaT-Scan; cerebral perfusion-scintigraphy; gastric emptying-scintigraphy; myocardium-scintigraphy; esophagus-scintigraphy; skeleton-scintigraphy; somatostatin-scintigraphy; SPECT CT

Thyroid Outpatient Department

Anamnesis (medical history of the patient); blood sample with determination of thyroid hormones (TSH, T3, T4, calcitonin, thyroglobulin, thyroid antibodies); sonography; scintigraphy with Tc-99m; MIBI scintigraphy; fine-needle aspiration; parathyroid-scintigraphy; bone densitometry

Positron Emission Tomography (PET)

Analysis method which were taken of a slightly radioactive substance that was previously injected into the vein, can be shown at specific sites in the body

Computer Tomography CT (PET / CT)

Through the combination of PET and CT in one unit, the advantages of both recording methods are used



Univ. Prof. Dr. Markus Essler

Medical Director of the Department of Nuclearmedicine

Center of Nuclear Medicine
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Obstetrics and Prenatal Medicine

“

Our department represents a state of the art international tertiary centre and offers a 24-hour team of obstetricians, feto-maternal medicine specialists, neonatologists, and anaesthesiologists.

In our highly specialised unit of prenatal care and high-risk obstetrics we care for about 2000 high risk pregnant women and about 1000 pregnancies with fetal malformations as out- and inpatients.

“



Focus of Care

Prenatal Care

Sonography; diagnosis of malformations; specific first trimester diagnosis, anomaly and aneuploidy screening; examination of the fetal heart (fetal echocardiography); preeclampsia screening in the first trimester; non-invasive fetal aneuploidy testing from the maternal blood; amniocentesis, chorionic villi sampling, fetal blood sampling).

Fetal Therapy and Surgery

Anaemia; arrhythmia; hydrothorax; cystic lung diseases: pulmonary sequester; diaphragmatic hernia; megacystis; aortic and pulmonary stenosis; feto-fetal transfusion syndrome; twin reversed arterial perfusion.

Obstetric Medicine

Management of pregnancies in women with pre-existing medical conditions. This includes regular interdisciplinary meetings with colleagues from related disciplines (e.g. cardiology, anaesthesiology, neurology, psychosomatic medicine).



Univ. Prof. Dr. Ulrich Gembruch

Medical Director of the Department of Obstetrics and Prenatal Medicine

Department of Obstetrics and Prenatal Medicine
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Center for Obstetrics and Gynecology

“

As a center for Obstetrics and Gynecology at the University Hospital Bonn it is our obligation and responsibility to achieve best quality in medical care for our patients. We keep a high standard in research and offer attractive academic training programs for trainees and students.

All sub-specialties of our discipline are represented in our Womens Hospital: the Department of Obstetrics and Prenatal Medicine, the Department of Endocrinology and Reproductive Medicine, and the Department of Gynecology and Gynecologic Oncology. Additionally, the Section of Psychosomatic Medicine in Gynecology and the Section of Plastic and Aesthetic Surgery are harbored inside our center.

Everybody in Bonn University Women's Hospital is hard working, always giving their best to insure care for our patients at the highest medical level. Please find further details in the upcoming pages.

“



Department of Gynecology and Gynecologic Oncology

“

In our two board-certified centers for breast cancer and gynecologic cancer we are taking care of more than 5000 patients a year (in and out-patients). We closely cooperate with other departments in the University Medical Center such as the Department of Radiology, Pathology, Surgery, Urology and Medical Oncology. Our department is part of the CIO (Center for Integrated Oncology), a Comprehensive Cancer Center certified in 2007 and recertified in 2011 by the German Cancer Aid. We are one out of 11 Centers of Excellency among the Cancer Centers in Germany. In cancer therapy, we offer a broad spectrum of open and minimal surgery. Medical Oncologic Therapy is also offered here. Outside of Cancer treatment, we offer a broad spectrum of open and minimal invasive surgery in benign indications such as fibroids of the uterus or descensus surgery. For detailed information please refer to the upcoming pages.

“

Focus of Treatment

Certified Oncology Center for Gynecology

Gynecologic tumor surgery (cancer of the uterus, the ovaries and fallopian tubes or external genitals); multiple organ resections and minimally invasive surgery

Certified Breast Center

Diagnostics (mammosonography, mammography, magnetic resonance tomography -MRT- of breast, tissue biopsy); surgery (breast-conserving resection, mastectomy, surgery of lymph nodes, breast reconstruction following breast cancer treatment); systemic therapy (chemotherapy, endocrine therapy, antibody therapy); breast cancer in men

Oncological Outpatient Clinic

Ovarian cancer; cancer of fallopian tube; cervical cancer; uterus cancer; endometrial cancer; vulvar cancer

Outpatient Surgery

Removing of cysts; polyps; adhesions and early tumor stages of vulvar tissue; vagina and uterus; sterilisation by tubal ligation; plastic reconstruction of vagina and cervix; wide range of laser treatment (e.g. condylomata)

Minimal Invasive Surgery

Laparoscopic myoma enucleation; laparoscopic hysterectomy (uterus removal); laparoscopic removal of ovaries / ovarian cysts / laparoscopic therapy of endometriosis; radical tumorsurgical resections including pelvic and paraortic lymphadenectomy, (removal of pelvic and paraortic lymph nodes); radical hysterectomy; urogynaecological reconstructive surgery for incontinence



Univ. Prof. Dr. Walther Kuhn

Medical Director of the Center for Obstetrics and Gynecology, Department of Gynecology / Gynecologic Oncology

Center of Obstetrics and Gynecology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Ophthalmology



“

Our department for eye diseases covers the complete range of surgical ophthalmologic operations and offers you for in- as well as outpatient care and state of the art all examination and treatment methods.

Besides various medical consultations at the University Hospital Bonn we have a close cooperation of all specialists in order to offer you the best possible interdisciplinary treatment.

“



Diagnostic and Therapeutic Spectrum:

Anterior Segment Surgery

Cataract surgery with intraocular lense-implantation; glaucoma (filtrating-, laser-, minimal invasive surgery including trabectome, all variants of lid surgery)

Vitreous, Retinal and Macular Surgery

Diabetic retinopathy, age-related macular degeneration, epiretinal membrane, vitreomacular adhesion, vitreomacular traction, retinal detachment, ocular trauma including complex injuries, retinal vascular diseases, submacular hemorrhages.

Laser Surgery

Retinal vascular diseases including branch retinal vein occlusion and central retinal vein occlusion, diabetic retinopathy, glaucoma, Retinopathy of prematurity (ROP), Photodynamic therapy (PDT).

Intravitreal Pharmacological Therapy

Intravitreal injections of anti-VEGF agents including Lucentis, Eylea, Avastin; intravitreal Jetrea-injections for small macular holes and symptomatic vitreomacular adhesions; intravitreal ozurdex and iluvien injections.

Orthoptics and Pediatric Ophthalmology

Strabismus surgery, motility disorder of the eye, nystagmus, neuroophthalmologic diseases, blepharospasm (Botulinumtoxin) therapy.

Low Vision Aids Center

Institute for eye prosthetics, optical and electronic devices, mobility training.

State of the Art Diagnostics

Imaging including spectral domain optical coherence tomography (SD-OCT), confocal scanning laser ophthalmoscopy (cSLO), fundus autofluorescence, molecular imaging, adaptive optics, electrophysiology, dark adaptometry, perimetry, microperimetry, wide field SLO- imaging

Clinic for Retinal Degenerations

Including retinitis pigmentosa, macular dystrophies, molecular genetic analyses, refined phenotyping including retinal imaging, in collaboration with the Center for Rare Diseases Bonn (ZSEB)



Univ. Prof. Dr. Frank G. Holz, FEBO

Medical Director of the Department of Ophthalmology

Department of Ophthalmology
University Hospital Bonn
Ernst-Abbe-Straße 2
53127 Bonn
Germany



“

The Department of Oral, Maxillofacial and Plastic Surgery is a part of the center for oral and maxillofacial surgery at the University Hospital Bonn.

We offer the whole spectrum of diagnosis, therapy, prevention, functional and esthetic rehabilitation of diseases, injuries, abnormalities and changes of the shape of teeth and the oral cavity including the maxillofacial area and the face.

“

Focus of Treatment

Temporomandibular Joint Diseases

Extreme malocclusion

Vascular Anomalies of the Skin

Hemangiomas; vascular malformations

Dental Surgery

Tooth removal; wisdom tooth removal; apicoectomy; removal of cysts; traumatology; dentoalveolar surgery



Univ. Prof. Dr. Dr. Rudolf Reich

Medical Director of the Department of Oral, Maxillofacial and Plastic Surgery

Department of Oral,
Maxillofacial and Plastic Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany



“

The orthodontic department is part of the center for dental and oral medicine at the University Hospital Bonn. We offer the whole spectrum of orthodontic medicine. Generally we differentiate in the reasons for an orthodontic treatment between aesthetic and medical indications.

”

Focus of Treatment

Treatment for Medical Reasons

Treatment for diseases or prevention (indications: teeth move uncontrollably and haphazardly, tooth position doesn't allowed a faultless dental hygiene, Straight teeth are interrupted, handicaped speaking)

Treatment for Aesthetic Reasons

Orthodontic fine tuning (straight teeth)



Univ. Prof. Dr. Andreas Jäger

Medical Director of the Department of Orthodontic

Department of Orthodontic
University Hospital Bonn
Welschnonnenstraße 17
53111 Bonn
Germany

Department of Orthopaedics and Trauma Surgery

“

The department for orthopaedics and trauma surgery covers the entire range of services concerning all conditions and injuries of the human musculoskeletal system.

Furthermore the department has been certified as a German centre of maximum care in endoprosthesis (Endoprothesenzentrum der Maximalversorgung).

All conditions and injuries are treated by different teams of qualified specialists.

Each year we take care for more than 4.000 inpatients and more than 30.000 outpatients. Some of the most frequently performed treatments include operative procedures on hip, knee and shoulder joints.

The merger of orthopaedics and trauma surgery under one roof opens the way to synergies in everyday practice.

“



Focus of Treatment



Adult reconstructive Orthopaedics

- » Full scale primary hip, knee, ankle and shoulder arthroplasty
- » Replacement and revision surgery in aseptical/septical implant loosening including individualised implants in pelvis/hip and knee surgery
- » Bone reconstruction in minor and major defects
- » Osteotomies of the pelvis as well as hip, knee and ankle joints
- » Corrective surgery of lower limb deformities
- » Foot surgery with correction of innate and acquired deformities
- » Specialised surgery even in high risk patients

Spinal Surgery and Orthopaedics

- » Surgical treatment (including minimally invasive and endoscopic spine surgery) of the degenerative spine, spinal stenosis and nucleus pulposus prolapses, degenerative scoliosis and other deformities

Tumor Orthopaedics

- » Full scale surgical treatment of benign and malignant bone tumors, pathological fractures and metastases of bone and soft tissue
- » Interdisciplinary setup (tumor board) together with pathologists, radiologists and oncologists

Paediatric Orthopaedics

- » Conservative and surgical treatment of hip dysplasia, Morbus Perthes, epiphyseolysis, leg axis deformities and club feet

Rheumatic

- » Joint preserving as well as joint replacement surgery in rheumatic disease
- » Specialised treatment algorithms for orthopaedic and joint conditions in patients suffering from haemophilia or other coagulation disorders



Univ. Prof. Dr. Dieter C. Wirtz

Medical Director of the Department of Orthopaedics and Trauma Surgery

Department of Orthopaedics and Trauma Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn, Germany

Phone clinic hotline: +49 (0)228 287 -14106

E-Mail: info@ortho-unfall-bonn.de

Department of Otorhinolaryngology, Head and Neck Surgery

“

We take care of several sensory organs as hearing, balance, sense of smell and taste. Our surgical procedures and conservative therapies intend to preserve these sensory functions. If they are deteriorated by some disease we make every effort to restore them. Furthermore we are also confronted with important functions as swallowing speaking and breathing. If due to some diseases especially malignancies anatomical sites must be removed partially or even totally leading to functional

impairment we apply different techniques to reconstruct these delicate anatomical areas to regain function.

The majority of our operations are performed with microscopes and endoscopes. In all surgeries with potential risk of nerve function impairment nerve monitoring is applied during surgery to minimize these complications.

“



Surgery of Oral Cavity and Oropharynx

Tonsillectomy (complete) and Tonsillotomy (partial); operations of benign and malignant tumors

Surgery of the larynx and pharynx

Endoscopic surgery (microlaryngoscopy) in benign lesions of the vocal cords (polyps). Endoscopic surgery and external operations of the larynx in malignancies; (partial and total laryngectomy) Surgery of pharyngeal pouches and pharyngeal tumors

Surgery of the neck.

Resection of benign and malignant tumors and metastases (Neck dissection). Surgery of the trachea (stenosis of trachea) Tracheostomy

Surgery of major salivary glands, (benign and malignant tumors, stones with intraoperative facial nerve monitoring)

Specific Surgery in Infants and Children

Adenotomy; tonsillectomy, tonsillotomy, paracentesis and ventilation tubes; tracheoscopy in malformations and for removal of foreign bodies. Ear surgery, Cochlea Implant and head and neck surgery

Focus of Treatment

Ear Surgery

Operations of the external ear (tumors malformations); operations of the middle ear (malformations, otosclerosis, chronic otitis media and cholesteatoma)

Surgery of Nose and Sinuses

Operations of the external nose (Malformation, rhinoplasty, tumors) nasal septum and turbinates; operations of the sinuses (chronic sinusitis and tumors of the sinuses). Surgical navigation is also available in this field

Skull base Surgery

Surgery of the temporal bone (benign and malignant tumors) Acoustic neuroma, Chemodectoma. Surgery of the anterior base of skull (Trauma, Tumors)

Cochlea Implant

Surgical hearing rehabilitation in uni- and bilateral deafness in children and adults



Univ. Prof. Dr. Dr. h.c. F. Bootz

Medical Director of the Department of Otorhinolaryngology Head and Neck Surgery

Department of Otorhinolaryngology Head and Neck Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Paradontology, Dental Maintenance and Preventive Dentistry

“

The polyclinic for paradontology, dental maintenance and preventive dentistry is part of the Center for Dental and Oral Medicine at the University Hospital Bonn. Diseases of the “periodontal apparatus” and several related diseases are treated. Our special and longstanding expertise and reasearch results are used for the traetment of our patients.

“



Focus of Treatment:

Paradontology

Prevention; treatment and after care of the periodontal apparatus

Endodontology

Diseases of the pulp-dentil-complex and the periapical tissue

Paediatric Dentistry

Treatment of all kinds of diseases in dental and oral medicine during childhood (preventive, caries treatment, paradontal disease)



Univ. Prof. Dr. Dr. Søren Jepsen, M.S.

Medical Director of the Department of Paradontology, Dental Maintenance and Preventive Dentistry

Department of Paradontology,
Dental Maintenance and Preventive Dentistry
University Hospital Bonn
Welschnonnenstraße 17
53111 Bonn
Germany

Department of Pediatric Cardiology

“

In our Pediatric Heart Center we treat patients from infancy to adulthood with congenital and acquired cardiac disease. In close cooperation with the Division of Pediatric Heart Surgery and the Medical Clinic II (Adult cardiology) we offer the complete spectrum of operation

possibilities with technical and scientific excellence and experience of a university hospital. After all, the success treatment of our patient is based on close and efficient collaboration between the departments of the heart center at our University Hospital Bonn.

“



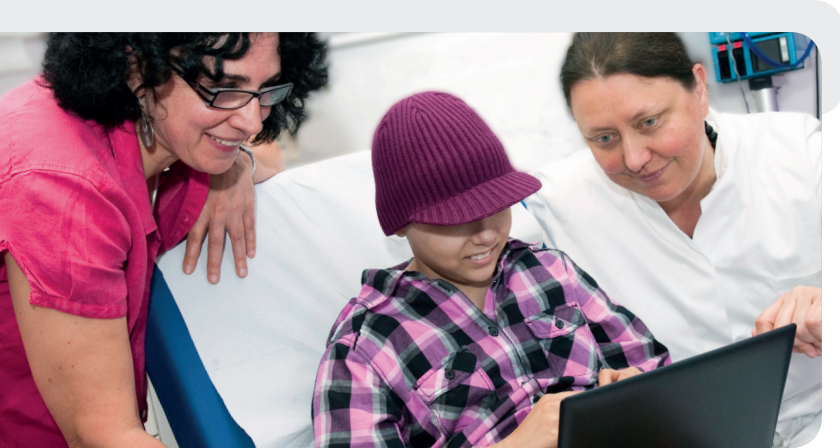
Focus of Treatment

Treatment of cardiac diseases before as well as after birth;
Health care of ill and preterm infants with major cardiac and non-cardiac anomalies;
Complex heart surgery at all ages;
Combined surgical and catheter-based interventions (Hybrid operation);
Three-dimensional (3D)-echocardiography;
Analysis of Myocardial function;
Diagnostic and therapy of Pulmonary Hypertension;
Pre- and postoperative Pediatric Intensive Care;
Extracorporeal Membrane Oxygenation (ECMO)-Therapy;
Health care of grown ups with congenital heart disease (GUCH)



Univ. Prof. Dr. Johannes Breuer
Medical Director of the Department of
Pediatric Cardiology

Department of Pediatric Cardiology
Children's Hospital
University Hospital Bonn
Adenauerallee 119
53113 Bonn
Germany



“

As a Pediatric Oncology Center we treat pre-school children and adolescents with leukemia, malignant tumors and other disease of the blood and immune system. In cooperation with the Institute for Experimental Haematology and Transfusion Medicine we supervise coagulation disorders in children. The medical treatment is based on German and International standardised treatment concepts. Furthermore, we are also focusing on cell and immune therapeutical strategies for patients with therapy-

resistant diseases and danger of a relapse. The University Hospital Bonn combines interdisciplinary and integrated treatment approaches to ensure a successful treatment.

“



Focus of Treatment

Pediatric Haematology

Disease of the blood (leukemia) and immune system

Pediatric Oncology

All kinds of tumors (in particular brain tumors)



Univ. Prof. Dr. Dagmar Dilloo

Medical Director of the Department of Pediatric Haematology and Oncology

Department of Pediatric
Haematology and Oncology
University Hospital Bonn
Adenauerallee 119
53113 Bonn
Germany

Department of Phoniatics and Paedaudiology

“

The department range of medical care consists of in- and outpatient care as well as consultancy services. An interdisciplinary team of medical specialists with double degrees in phoniatics, paedaudiology, ear, nose and throat medicine, speech therapists and audiologists offer you best treatment.

”



Focus of Treatment

Functional and Organic Vocal Cord Disturbances

Analysis of vibration from vocal folds by video endoscopy and stroboscopy; electro-glottography; vocal field measurements; electroacoustic vocal sound analysis; vocal stress test; larynx electromyography; endoscopic controlled/monitored coloured swallowing test

Dysphagia

Flexible endoscopic controlled/monitored coloured swallowing test; logopedics therapy

Phono Surgery

Vocal cord augmentations in local anaesthesia

Speaking- and Speech Disorders

Diagnosis and therapy of delayed children's development of speech; orofacial functional diagnosis; general development diagnosis; diagnosis and therapy of speech flow disturbances (stuttering and rumbling); diagnosis of aphasia (AAT=Aachener Aphasie Test); dysarthria - / dysarthrophonia testing

Hearing Disorders in Children

Hearing screening; complete hearing diagnosis in children with subjective and objective (electrophysiologic) audiometry measurements; adjustment of hearing aids; cochlea implant -diagnosis and adjustment of processors in children; diagnosis of auditive processing and perception



Univ. Prof. Dr. Götz Schade

Medical Director of the Department of Phoniatics and Paedaudiology

Department of
Phoniatics and Paedaudiology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany



“
Our Department of Plastic and Aesthetic Surgery is specialized to improve and correct the body surface including the face. It distinguishes between the reconstruction of defects after accidents, tumors or wounds, on the one hand and the aesthetic or cosmetic surgery on the other hand. For this purpose today we have a variety of advanced and gentle procedures available that are either carried out under local or general anesthesia.
“

Focus of Treatment

Face

Facelift; forehead lift; eyelid surgery; lips; nose reshaping; ear surgery; wrinkle removal

Reconstructive Surgery

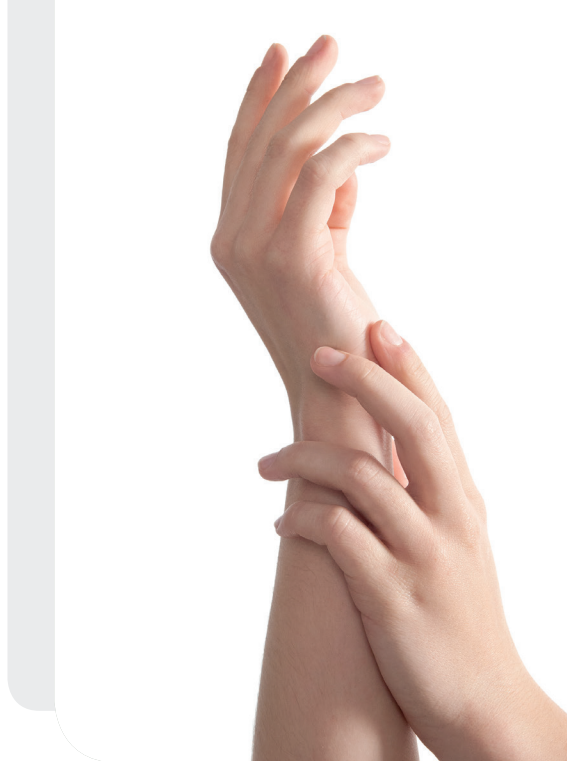
Breast reconstruction; breast abnormalities; surgical correction; defect coverage; pressure ulcers

Man

Gynecomastia; eyelid surgery; liposuction; wrinkle removal

Hands

Carpal tunnel syndrome; sulcus ulnaris syndrome; stenosing tenosynovitis; ganglion; Dupuytren's contracture; peripheral nerve surgery



PD Dr. Klaus J. Walgenbach

Medical Director of the Department of Plastic and Aesthetic Surgery

Department of Plastic and Aesthetic Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Psychiatry and Psychotherapy

“

The department of Psychiatry and Psychotherapy offers patients the highest quality of medical and psychotherapeutic service delivery based on the latest medical advances. In addition to the three traditional pillars of psychiatric treatment – psychotherapy, pharmacotherapy and social therapy – our department supplies a number of additional therapies.

During the inpatient and outpatient treatment, several physicians work together for the target to intergrate our patients back into their social life.

“



Focus of Treatment

Psychotherapy

Depth psychology based psychotherapy; behavioral therapy; interpersonal psychotherapy (IPT); specific therapy of prolonged depression

Pharmacotherapy

Drug treatment; controls of the ECG (electrocardiogram); blood tests and various metabolic parameters; therapeutic drug monitoring

Additional Therapies

Ergotherapy; body-oriented therapies; creative therapies



Univ. Prof. Dr. Wolfgang Maier

Medical Director of the Department of Psychiatry and Psychotherapy

Department of Psychiatry
and Psychotherapy
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Psychosomatic Medicine and Psychotherapy

“

Psychosomatic Medicine is the science and medicine of the mutual influences of psychosocial and physical processes. The Clinic and Polyclinic for Psychosomatic Medicine and Psychotherapy at the University Hospital Bonn focuses for over 15 years on psychosomatic disorders.

Patients with psychological problems and related physical and social problems are treated by an experienced team of physicians, psychologists and other therapists with different therapeutic orientations.

“



Focus of Treatment

Eating disorders

anorexia nervosa, bulimia nervosa, binge eating disorder

Somatoform disorders

medically unexplained symptoms with psychosomatic causes; e.g. chronic pain, cardiovascular symptoms or gastrointestinal symptoms

Anxiety disorders and Depression

panic disorder, agoraphobia, social phobia, generalized anxiety, depression

Adjustment disorders

anxiety and depression in the context of a major life event, e.g. a serious somatic illness

Other Diseases

obsessive-compulsive disorder, posttraumatic stress disorder, personality disorders

Therapy

Multimodal in-patient psychosomatic-psychotherapeutic interventions with psychodynamic and cognitive-behavioral group and individual therapy, body-oriented therapy, relaxation, art therapy, pharmacotherapy. Interventions are mainly given in German.



Univ. Prof. Dr. Dipl.-Psych Franziska Geiser

Medical Director of the Department of Psychosomatic Medicine and Psychotherapy

Department of
Psychosomatic Medicine and
Psychotherapy
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany



“

In the last years great progress has been made especially in the field of radiology. Diagnostic procedures allow for unprecedented high quality work-up of patients, and interventional procedures (“minimal invasive treatments”) have drastically improved direct patient care. Also with innovative radiotherapy techniques, like TomoTherapy, focussed radiation treatments with less side effects have become standard of care.

“

Diagnostics, Interventions and Radiotherapy

- » Digitalized X-ray procedures, Ultrasound incl. Doppler Ultrasound
- » Multislice CT, incl cardiac CT, CT-guided Interventions, PET-CT (cooperation with Department of Nuclear Medicine)
- » Magnetic resonance imaging (MRI) including highfield MR, cardiac MR, MR spectroscopy, MR-guided interventions
- » Breast radiology (e.g. X-ray mammograms, breast MRI, ultrasound)
- » Digital subtraction angiography, Interventional procedures in all body areas and systems (e.g. dilatation and recanalization, stent/stent graft implantations, drainage procedures; uterine fibroid, aneurysm and stroke treatments etc.)
- » Interventional oncology (e.g. regional tumor treatments, palliative procedures)
- » Radiotherapy including TomoTherapy, stereotactic treatments, afterloading
- » Pediatric radiology
- » Neuroradiology including neurointerventions



Univ. Prof. Dr. Hans H. Schild

Medical Director of the Department of Radiology

Department of Radiology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Center of Rare Diseases

“

The University Hospital Bonn and the faculty of medicine of the University Bonn offer a high quality treatment for patients with rare diseases. The “center for rare diseases” is an interdisciplinary cooperation between many institutions of the University Hospital of Bonn. Our center was created for research, teaching and especially for the care of patients with rare diseases. The center for rare diseases is a point of contact for patients, physicians and scientists.

“



Main Focus

Rare Neurological Movement Disorders, Muscle Diseases and Epilepsies

Amyotrophic lateral sclerosis (ALS); ataxias; dystonias; hereditary spastic paraparesis (HSP); mitochondrial diseases; neuromuscular diseases; rare genetic epilepsies; (as well as SCN1A mutations, Lgi1-mutations); limbic encephalitis

Center for Rare Diseases of the Coagulation System

Haemophilia A and B; diseases of vitamin A-metabolism; FXIII-deficit; deficit of factors I, II, V, VII, X and XI

Center for Hereditary Cancers of the Gastrointestinal Tract

Hereditary colorectal cancer without polyposis; polyposis syndromes; hereditary stomach cancer

Center for Histiocytosis

Langerhans-histiocytosis

Center for Rare Eye Diseases

Pseudoxanthoma elasticum (PXE); hereditary retinal degenerations (for example Best's disease; Stargardt's disease; retinitis pigmentosa (for example Refsum syndrome, Usher syndrome); macular telangiectasia

Center for Congenital and Perinatal Viral Infection

Chromosomally integrated human herpes 6; congenital cytomegalovirus; congenital parvovirus infections; perinatal parecho- and enterovirus infections

Center for Congenital Intestinal Atresia

Esophageal atresia; duodenal atresia; small intestine atresia



Univ. Prof. Dr. Thomas Klockgether

Medical Director of the Center of Rare Diseases

Center of Rare Diseases
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Division of Trauma Surgery

“

Our division of trauma surgery is part of the department for orthopaedics and trauma surgery at the University Hospital Bonn. Trauma surgery is a surgical speciality involved in the invasive treatment of physical injuries, typically

in an emergency setting (organ system and musculoskeletal system). Injuries primarily affecting the musculoskeletal system (the bony skeleton and muscles, ligaments and tendons), but also the brain and the spinal cord.

“



Focus of Treatment

Life-threatening Injuries

Polytrauma; multiple trauma injuries

Fractures of Joints/ Joint Injuries

Shoulder; elbow; hand; hip; ankle or foot

Complicated Bone Fractures

Muscular system; blood vessels; peripheral nerves or skin

Reconstructive Surgery

Restoration of joints; bones and surrounding soft tissue

Corrections of Deformities

Axis deviation; elongation



Univ. Prof. Dr. Christof Burger
Head of the Division of Trauma Surgery

Department of Orthopaedics
and Trauma Surgery
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Department of Urology



“

Our Department of Urology covers all aspects of modern urology at the highest level. 13 doctors together with well trained and dedicated nurses take care of the patients coming from all over the world. Our activities concentrate on cancer surgery, medical oncology, reconstructive and minimal invasive surgery.

”

Specialized in treating all aspects of urological diseases!

Urological Tumours/Oncology

Surgical and medical based treatment of cancer of the prostate gland; bladder, penis and kidney including minimally inclusive laparoscopic techniques; organ-sparing surgery for kidney cancer and bladder reconstruction

Benign Diseases of the Prostate Gland

Prostate tissue blocking the urine flow removal by laser

Neurourology/Urinary Incontinence

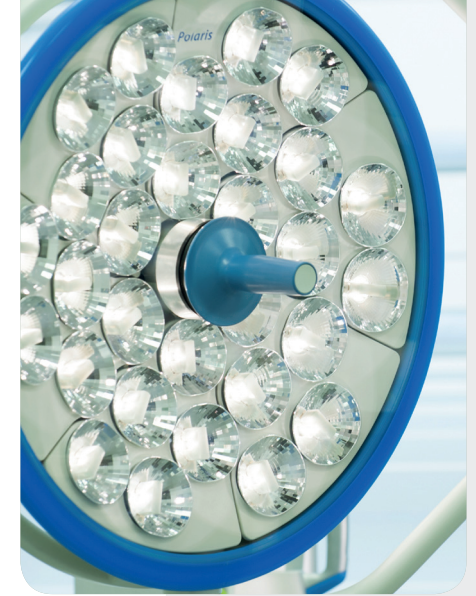
Videourodynamics, Neuromodulation, medical and surgical management of urinary incontinence and pelvic floor diseases in women and men

Kidney Stones

Extracorporeal shock wave lithotripsy and newest endoscopic and percutaneous techniques to remove stones within the urinary tract including laser equipment

Andrology/Reproductive Medicine

Medical and surgical treatment for sexual dysfunction; impotence and fertility problems



Pediatric Urology/Nephrology Team for Children

Treatment of congenital malformations; hypospadias; undescended testis; phimosis; urine transport disturbances; vesicoureteral reflux; enuresis/urotherapy

Transplantation Center

Kidney transplantation for patients with end stage renal disease, including laparoscopic living donor nephrectomy



Univ. Prof. Dr. Dr. h.c. Stefan C. Müller
Medical Director of the Department of Urology

Department of Urology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Institute of Clinical Chemistry and Clinical Pharmacology

“

The institute of Clinical Chemistry and Clinical Pharmacology represents two disciplines (clinical chemistry and clinical pharmacology) in research, teaching and patient care. The institute belongs also the central laboratory of the University Hospital Bonn, the office of student affairs with the CSSC (core clinical study support) and a phase I clinical trial unit and research groups.

”



Particularities

For years the number of analyses is increasing which are conducted at the bedside or in the immediate vicinity of the patient. The point-of-care testing (POCT) is mainly carried out in the hospital contemporary for direct therapeutic implications after laboratory results in life-threatening emergencies, furthermore in stationary applications for the treatment and therapy of diabetes mellitus patients and coagulation measurements on respective stations, such as in the operating room.



Univ. Prof. Dr. Gunther Hartmann

Medical Director of the Institute of Clinical Chemistry and Clinical Pharmacology

Institute of Clinical Chemistry
and Clinical Pharmacology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn

Germany



“

Our Institute provides rapid state of the art diagnostic services in histopathology, cytology, electron microscopy and molecular pathology. We also serve as a consult center for genito-urinary pathology with a core focus on prostate diagnostics but also hepato-biliary and pancreatic pathology.

“

Focus of Diagnostics

Conventional histology and immunohistochemistry

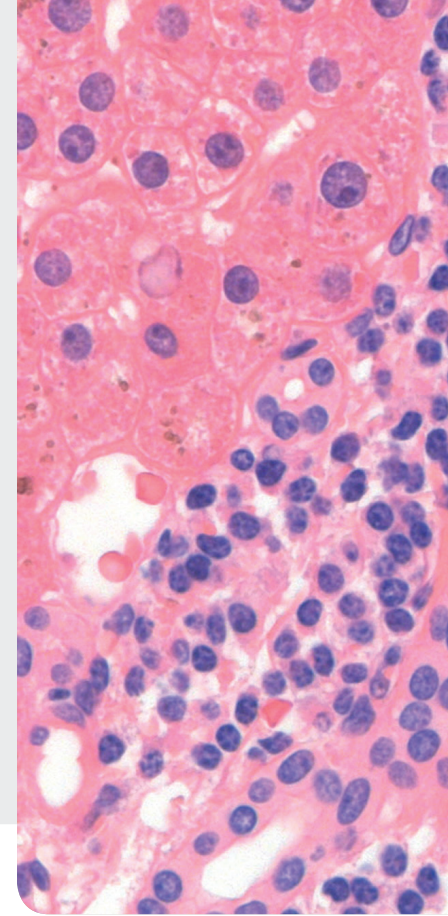
Next to standard H&E stainings, our laboratory has an arsenal of 54 special stains. Our Immunohistochemistry lab uses 800+ protocols and three different automated technical platforms to ensure diagnostic excellence.

Cytology

Processing of all types of cytology of gynecological and non-gyn samples.

Molecular Pathology

We enable predictive precision medicine by a continuously growing spectrum of molecular analyses for tumor diagnostics or typing of infections.



Univ. Prof. Dr. Glen Kristiansen

Medical Director of the Institute of Pathology

Institute of Pathology
University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn

Germany



Lina Demir

International Medical Service

University Hospital Bonn
Sigmund-Freud-Str. 25
53127 Bonn
Germany

Tel: +049 (0)228-287 14464

E-Mail: ims@university-hospital-bonn.de

