



Klinikum Memmingen

Patient brochure



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IMPRESSUM

Herausgegeben in Zusammenarbeit mit dem Klinikum Memmingen. Änderungswünsche, Anregungen und Ergänzungen für die nächste Auflage dieser Broschüre nimmt das Klinikum Memmingen entgegen. Titel, Umschlaggestaltung sowie Art und Anordnung des Inhalts sind zugunsten des jeweiligen Inhabers dieser Rechte urheberrechtlich geschützt. Nachdruck und Übersetzungen in Print und Online sind – auch auszugsweise – nicht gestattet.

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Welcome from Lord Mayor Dr. Holzinger



Lord Mayor Dr. Holzinger

The Memmingen Medical Center (referred to in German as "Klinikum Memmingen") is the second largest medical complex in the region Schwaben and with its eleven specialty departments offers the best possible care to our patients. Since 2004 the center has been an affiliated teaching center of the Ludwig-Maximilians-University Munich (LMU). Our complex was formed through the mergers of the former regional and city hospitals in order to meet the healthcare needs of our rapidly growing community. Care of the sick has always been a priority within the community. Despite our expansion, this social tenet remains a focal point. Our homage to this historic, altruistic philoso-

phy can be seen in the entrance to the hospital where the coat of arms from the founding clinic and the city of Memmingen can be seen.

Our greatest priority is that you, the patient, thanks to our medical competency and care, feel well cared for and recover as soon as possible. To achieve this goal we have over 1,400 employees, consultants, physicians, nurses, medical support personnel, and administrators working around the clock. Without our team this would not be possible.

I wish you a pleasant stay in our hospital, treatment success, and long lasting recovery.

Klinikum Memmingen

Bismarckstr. 23

87700 Memmingen

www.klinikum-memmingen.de



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Welcome from the Board of Directors



from left to right:
Hans-Jürgen Stopora
Care Director
Prof. Dr. Albrecht Pfeiffer
Medical Director
Dipl.-Kfm. Wolfram Firnhaber,
Director of Administration

Dear Patient,

we welcome you to our hospital and hope you feel better soon. It is especially important to us that your stay is as pleasant as possible. As a result we would like to provide you with a method to contribute to our quality improvement project "Memmingen Hospital – Center for Competency and Courtesy." Your compliments and con-

structive feedback allow us to continually improve our facilities and services. You can receive a feedback form from the personnel on the ward.

We would also like to inform you of our renovations. In an effort to maintain modern and technically advanced facilities, renovations are often necessary. Unfortunately, this work is mostly carried out during working hours.

We apologize in advance for any associated noise and inconvenience.

We sincerely hope that you feel that you are being treated with the utmost competence.

We wish you all the best.

Sincerely,
The board of directors



Lord Mayor **Dr. Ivo Holzinger**

Head of Division **Wolfram Firnhaber Dipl.-Kfm.**

Medical Director
Prof. Dr. Albrecht Pfeiffer

Clinics and Institutes

- General, Visceral, Thorax and Vascular Surgery
Prof. Dr. Carsten Gutt
- Trauma Surgery, Reconstructive Surgery, Orthopedics
Prof. Dr. Christian Schinkel
- Urology
Prof. Dr. Peter Schneede
- Gynecology and Obstetrics
PD Dr. Felix Flock
- Internal Medicine I
Cardiology, Pulmonology, Nephrology
Intensive Care
Prof. Dr. Andreas May
- Internal Medicine II
Gastroenterology, Endocrinology/
Diabetology, Oncology, Palliative Medicine
Prof. Dr. Albrecht Pfeiffer
- Neurology
PD Dr. Christoph Lichy
- Pediatrics, Neonatology and Socio-Pediatric Center
Prof. Dr. Martin Ries
- Anesthesiology, Intensive Care Medicine and Pain Therapy
Prof. Dr. Lars Fischer
- Radiology and Nuclear Medicine, 32-slice CT and 64-slice PET-CT
PD Dr. Jens Stollfuß
- Institute of Pathology
Dr. Walter Hofmann
- Associates: Bezirkskrankenhaus Memmingen, Clinic for Psychiatry, Psychotherapy and Psychosomatics at the Klinikum Memmingen
Chief of Department Dr. Andreas Küthmann
- Magnetic Resonance Imaging
Radiology Practice Memmingen
- Radiation Therapy Memmingen
Dr. Waltraut Klinkner and Colleagues
- Departments
Otorhinolaryngology Unit
Dr. Dirk Gießler
Dr. Bernd Zettler
- Hand surgery
Dr. Nicole Buschmeier
Dr. Christiane Haberland
- Nephrology
Dr. Petra Heilmann
- Plastic Surgery
Consultant **Prof. Dr. Christoph Höhnke**

- Oral, Maxillofacial Surgery
Consultant **Dr. Dr. Berthold Liebig**
- Skin Diseases
Consultant **Dr. Wilhelm Thoma**
- Curatorship for Home Dialysis
Dr. Henry Fehrenbach
Dr. Tobias Hampel
- Pharmacy
Dr. Eberhard Grusa
- Company Medical Officer
Dr. Annette Wydra
- Transfusions Manager
Thomas Sutter
- Chief Emergency Physicians
Prof. Dr. Christian Schinkel (Surgery)
Dr. Georg Fröhlich (Pediatrics)
- Central Laboratory
Martina Leinfelder
- Physiotherapy
Heidemarie Geier
- Socio-Pediatric Center
Dr. Helge Gallwitz
- Diabetes training
Dr. Peter Weisig, Dr. Günther Bechtner
- Dietetics
Sabine Otte

Care Director
Hans-Jürgen Stopora

Nursing care

- Pediatrics, Pediatric ICU, Gynecology & Obstetrics
Department head **Renate Böwing-Jaensch**
- Surgery, Urology, Operative ICU, Dialysis
Department head **Barbara Braun**
- Internal Medicine I and II, Internal ICU, Endoscopy and Surgical Outpatients, In-House Training
Department head **Horst Maile**
- Operation Theatre Specialist Training
Head of Nursing Instruction
Dolores Caso
- Theatre Nursing
Lead Theatre Nurse
Christa Kiefer-Schönhals
- Anesthesia Nursing
Chief Anesthesia Nurse
Inge Erben
- Delivery Ward
Chief Midwife
Ines Marschner

- Stomatherapy
Stomatherapist
Birgit Stark
- Diabetes training
Daniele Weiher, Sabine Pieper
- Social Services
Heike Lehmann, Sigrid Roth
- Facilities
Vocational Training College of Nursing and Pediatric Nursing
College Principal **Fridolin Bruckner**
- Hygienists
Carmen Peper, Alexandra Hombeuel, Franz Keplinger
- Central Office Services
Barbara Liedel, Isolde Zengerle
- Associates:
Pediatric Clinic School
Anne Stark

Director of Administration
Dipl.-Kfm. Wolfram Firnhaber

Administration

- Organization/IT
Roger Kolb, Dipl.-Kfm.,
Deputy Division Head
- Human Resources
Ingeborg Wagner
- Accounting & Financial Controlling
Stefan Kerler
- Patient Administrator
Ulrike Steinbach
- Hospital Controlling
Dr. Thomas Oberbeil
- Operating Systems and Supplies
Jürgen Binzer
- Facility Manager electric power
Josef Stehle
- Facility Manager (Heating & Sanitation)
Stefan Munz
- Medical Engineering
Emil Cichy
- Catering
Chef **Michael Koslitz**
- Purchasing, Laundry Center
Elmar Liebhardt,
Master Textile Cleaner
- Housekeeping
Claudia Schmid
- Cleaning
Logistics
Memminger-Klinikum-Service GmbH (MKS)



General Surgery



Department of General Surgery, Visceral, Thoracic and Vascular Surgery
Head of Department
Prof. Dr. med. Carsten N. Gutt



76 Beds
 approx. 3,800 surgical procedures per year

The primary goal of the entire staff of the General Surgery, Visceral, Thoracic and Vascular Surgery Department is to deliver the **very best individualized patient care**.

To ensure the highest success rate, the department has an optimally equipped operating and intensive care unit.

The appointment of the Chief of Surgery from the Heidelberg University Hospital Department of Surgery has allowed for the further expansion of **major tumor surgery** and innovative, **minimally invasive surgery**. The state-of-the-art technical procedures used in operations are performed with **minimum-impact operating techniques** and allow for blood-free operations. An advantage of these techniques is the almost complete avoidance of blood transfusions.

General and visceral surgery includes minor and medium-scale operations that are generally carried out with minimum invasion (e.g. hernia operation, appendectomy, surgery on diaphragm ruptures).

Major tumor surgery is performed under the most current surgical standards. Minimally invasive techniques are also being used more frequently

during these operations which shortens patient recovery time and results in fewer complications.

In the **certified bowel center**, diseases of the large bowel and rectum are evaluated within an interdisciplinary setting and treated with the appropriate surgical methods. Whenever possible, minimally invasive techniques are utilized. Proctology, the treatment of tumor diseases, and chronic inflammatory bowel diseases, are commonly performed with minimal invasion.

Working in close cooperation with the Departments of Gastroenterology and Radiology, we have the only **pancreas and liver center** in South-west Germany. The center operates in accordance with the latest international standards. We are proud to offer the most current diagnostic and surgical facilities. Operations are carried out with innovative techniques and a high degree of standardization.

Within **thoracic surgery**, surgical procedures are performed for both benign and malignant diseases. The focus is again on minimally invasive surgery, as this allows for smaller openings within the chest cavity, lower risk for infection, and speedier recovery.

In **vascular surgery** a wide range of diseases of arteries and veins are treated individually. This includes but is not limited to the surgical treatment

of varicose veins, arterial bypass, and surgery on large neck and abdominal vessels. In collaboration with the Department of Radiology, state-of-the-art minimally invasive endovascular procedures are also performed.

The **broad surgical spectrum** of the Department of General Surgery, Visceral, Thoracic and Vascular Surgery not only covers General Surgery in its entirety, but also endocrine and pediatric surgery. Procedures of all magnitudes are carried out with treatment standardization. Tumor diseases, vascular diseases, and high-risk patients are treated in close interdisciplinary collaboration with other specialist areas.

In addition to our inpatient unit, a large number of operations and procedures are carried out in outpatient and day surgery units. Our **central patient management system** allows for smooth hospitalization where both the patient and the referring family doctor are always able to find the appropriate contact person.

We offer our patients special consultations where they can receive specific information, advice, and care:

- General and thorax consultation
- Pancreas and liver consultation
- Proctologic consultation
- Vascular consultation

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Trauma Surgery and Orthopedics

*Department of Trauma Surgery,
Reconstructive Surgery,
Hand Surgery and
Orthopedics*
**Head of Department
Prof. Dr. med. Christian Schinkel**



73 Beds

This department is one of the largest of its kind in Bavaria. It has been approved by the Employer's Liability Insurance Association for the treatment of serious injuries. The department also serves as a regional trauma center under the auspices of the German Trauma Network run by the German Society for Trauma Surgery.

Injuries are treated according to the most current recommendations of the International Association for the Study of Internal Fixation (AO Foundation).

A broad spectrum within trauma surgery is offered including operations for serious multiple injuries, injuries to the extremities, spinal fractures, and pelvic fractures. Special treatment methods for pediatric traumatology and injuries in elderly patients have been established. Hand surgery, procedures to correct misalignments and general orthopedic surgery are also available within our range of services.

The department also focuses on endoprosthesis. The type ML cement-free prosthetic hip, which was developed in this hospital, can be used immedi-

ately after an operation and is virtually friction-free thanks to a ceramic anti-friction surface. It has already been used on several thousand patients with excellent results. Prosthetic knees of the highest quality with coated anti-allergic surfaces are implanted during knee replacement. The replacement of shoulder joints, ankle joints and elbow is also offered. Revision surgery, in the unlikely event of complications following prosthetic implementation, is included in the range of services.

The third specialization of the department is spinal surgery following injuries, tumors, infections and changes caused by wear. Similar to sports traumatology procedures on joints, an increasing number of operations are also carried out with minimal invasion (extremely small incisions).

The Department of Physiotherapy collaborates with the Department of Trauma Surgery, Reconstructive Surgery, Hand Surgery and Orthopedics to provide highly-skilled, specialized, intensive physiotherapy. With the aid of ultramodern equipment and a therapy pool, it plays a vital role in ensuring the best possible rehabilitation for the patients treated here.



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Obstetrics and Gynecology Department · Perinatal Center · Breast Center



*Department of Obstetrics and Gynecology –
Perinatal Center / Breast Center*
Head of Department
Privatdozent Dr. Felix Flock

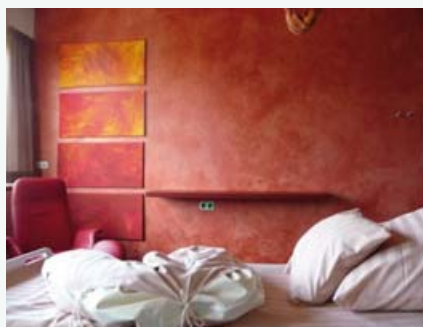


61 adult maternity beds,
36 neonatal beds

Our obstetrics and gynecology department is one of the largest in the state of Bavaria. Each year we deliver more than 1,500 children and perform more than 2,000 gynecological operations. Our medical spectrum includes obstetrics with prenatal medicine, the treatment of gynecological tumors and breast cancers, incontinence and prolapse surgeries, the so called "key-hole" surgeries (also referred to as minimally invasive surgery), and general gynecology. We are well experienced in the area of gynecological surgeries. Due to the broad spectrum that we offer, our department head is licensed in these areas of the specialty. Despite our wide range of services, individualized and patient-oriented care is of the utmost importance.

Based on our large number of deliveries, our personable and spacious delivery rooms, and our close collaboration with the Newborn Intensive Care Unit we have been long recognized by the Ministry of Social Policy as a Perinatal Center. With this certification we care for both the "normal term" and the extremely premature deliveries. Through a specialized prenatal outpatient clinic we are able to examine children in the womb for specific illnesses and diseases as well as initiate (at times) therapy.





Since 2009, our expectant mothers have delivered in our newly renovated Delivery ward. The delivery rooms were at that time designed with a theme of the four cardinal elements: fire, water, air, and earth and offer an unforgettable and comfortable experience. Our highest priority is to fulfill the wishes of the expectant mother while simultaneously providing the maximum security and safety for mother and baby. It is customary for us to offer alternative therapies such as acupuncture, homeopathic remedies, and the opportunity to have a delivery in water. We continually strive to offer a family oriented experience on the postpartum ward. The opportunity to "room in" is offered and encouraged.



Breastfeeding support is important to us. As a result we offer specially trained, competent nurses to support you in this endeavor.

An important point in our department is the operative and pharmaceutical treatment of breast cancer, a disease that affects one in ten women. Our department has been certified by the German Cancer Association and the German Association for Senology (the governing board of breast diseases) since 2005. Being a certified breast center means that our patients will be treated according to the most modern national and international therapy guidelines. It also means that we are continually monitored by an independent regulating agency.



Through cooperation with colleagues from other specialties, including our colleagues in community practice, we are able to offer a complete spectrum of care in our breast center.

Established in 2007, our department also offers a center for pelvic floor and continence ailments in which we provide advice and therapy for women with pelvic floor and incontinence disorders. Both operative and non-operative therapies are available.

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"four cardinal elements"-delivery room



Department of Urology

Prostate Cancer Center, certified by the German Cancer Society
 Academic Training Clinic of the
 Teaching Hospital of the LMU Munich
 Pelvic floor and continence center, certified by German Continence
 Association



Head of Department
Prof. Dr. med. Peter Schneede
*Urologist, training authorization for
 urologic surgery, urologic oncology,
 uro-radiologic diagnostics and
 palliative care*



40 beds with additional beds for
 pediatric urology and
 outpatient surgery

The diagnostic and therapeutic treatment modalities within the department of Urology have drastically increased over the past years to include procedures and advances such as videoendoscopy, transurethral prostate resection, pediatric urology, fluorescent tumor diagnosis, laser medicine, endo-urological obstruction evacuation, organ and function sparing cancer surgery, incontinence surgery, and laparoscopy.

The head of department trained at the Grosshadern Clinic in Munich. With his appointment in 2004 he brought not only innovative techniques, but also the most modern and advanced operating standards to our hospital. His appointment occurred at the same time that the hospital made an academic affiliation with the Ludwig-Maximilians-University in Munich, thus increasing the competitiveness of the department. In 2008 the department of urology was certified as a prostate cancer center by the German Cancer Society and in 2010 certified as a pelvic floor and continence center by the German Continence Association.

Main Focus:

We are a part of a hospital that is classified one level under a university hospital. This means that the specialty is not only in the foreground, but also that we must offer comprehensive diagnostic and therapy options. This requires a highly motivated and qualified team of physicians and nursing staff, which is exactly what we have here in our hospital. The urology department offers comprehensive, conservative and operative treatment of urological disorders for male and female patients, from small children to patients of advanced age. Our operative spectrum includes plastic-reconstructive operations in pediatric urology, calculus treatments (ESWL, URS, PNL, laser, open stone removal), prostate treatments, urethral surgery, all variants of tumor surgery (not only minimally invasive, with organ and function preservation, but also radical techniques), and laser based urology surgeries.

All diagnostic and therapeutic procedures, all aspects of urologic oncology and special conservative patient treatments follow the most current international guidelines and are performed with the most current technology.

This is guaranteed by an extensive Quality Assurance Management program within the department of urology.

Specializations:

Every physician, from the head of the department and head consultant to the least experienced resident physician in training takes the responsibility of caring for the basic urological and medical needs of the patients as well as intensively studying an additional specialty area within urology, thus contributing to the overall expertise and success of the department.

Specialized urological competency is also in demand throughout other departments within the hospital. The urologists contribute, for example, to interdisciplinary tumor conferences and oncology operations as well as to palliative care planning.

The department of urology is one of the main departments that contribute to the hospital's qualification as a Pelvic Floor and Continence Center.

More information over our individual specializations can be found on our homepage:

www.klinikum-memmingen.de.

The special knowledge of our individual urology team members improves not only the quality of patient treatment, but is also essential to the education of our medical students from the Ludwig-Maximilians-University in Munich, in the training of medical support and nursing personnel from



the nursing school in Memmingen, and in our specialty's continuing education process.

The urologist is therefore a part of a continually improving medical team that is centered on the needs of the patient.

Steady increase in patient numbers, positive feedback from patient surveys, increased collaboration with regional physicians, and a high acceptance within the general patient population strengthens us along the way.

Contact:

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Plastic and Aesthetic Surgery



Plastic and Aesthetic Surgery
Head of Department
Prof. Dr. med. Dr. med. habil.
Christoph Höhnke

With the establishment of the **Plastic and Aesthetic Surgery department at the Memmingen Medical Center** in the summer of 2009 a treatment opportunity hole was successfully filled. The department is now an integrated part of the medical center. The newly designed centrally located department can be found on the ground floor. The newly appointed department chief of the separately managed department has more than 20 years of professional experience. From 1996 he worked at the Klinikum rechts der Isar in Munich, has international experience, and is internationally renowned. Not only patients benefit from his knowledge and skills, but also his colleagues and students, who with further training and specialist qualifications are able to support him on his intended **innovative path**.

By definition, plastic surgery consists of treatments for congenital or acquired defects of form or function. The most important pillars of this specialist field of medicine include **hand surgery and burns** as well as **reconstructive and aesthetic surgery**. The treatment and correction of the body surface is thus one of the primary tasks.

The field of **reconstructive surgery** deals with the reconstruction of defects incurred after an accident, by tumor, and also congenital malformations. Plastic surgery is a special-

ist field that traditionally places its work at the disposal of practically all medical disciplines. Interdisciplinary cooperation is particularly advantageous in the care of patients in a hospital of maximum care outside a university hospital and makes quick decisions possible while reducing treatment time. In particular, breast reconstruction as an integral part of cancer treatment carried out on an interdisciplinary basis with the **Breast Center** is of enormous importance. Breast reconstruction can be carried out immediately or at a second stage. Treatment of male breast enlargement, so-called "gynecomastia" is also part of the spectrum of routine treatments. Treatment and hospitalization of children and minors is in close cooperation with the pediatric department. Medical care of accident victims is taken either initially as primary treatment, e.g. the treatment of soft tissue defects, or at a later stage if for example, scar tissue is a recurring problem. Treatment of nerve lesions is a part of the field of plastic surgery. A typical example is the removal of constrictions (neurolysis, e.g. in carpal tunnel or Sulcus ulnaris syndrome) where mostly microsurgery techniques are used or nerve transplants are carried out (if necessary). Thoracic defects, such as wound healing disorders after the breastbone dissection during a heart operation, can be reclosed by means of tissue transplantation, e.g. from the back.

Health and appearance are becoming more and more the focus of public and personal interest. **Aesthetic surgery**, as a rule, is performed not to remedy a condition of illness, but to improve external appearance. Often the term "cosmetic surgery" is used which is neither clearly defined nor protected by laws that allow any doctor to carry out such an operation. On the other hand, a **doctor of plastic and aesthetic surgery** has the appropriate **specialist training**. Increasing or maintaining an attractive appearance is nowadays gaining ever more importance. Beauty faults can have a disturbing effect and can lead to a loss of personal integrity.

The continually increasing life expectation and demographic change are major contributing factors to the frequently occurring phenomenon: "Inner cognition or dynamic perception is in total contrast to outer appearance". Even though the aging process is completely normal, this discrepancy between external appearance and inner feelings can be balanced. The objective of plastic aesthetic surgery is to bring about an quality of life by undertaking individual corrective measures. The spectrum of treatments ranges from minimally invasive procedures such as the treatment of wrinkles with botulinum toxin or filler material, laser and peelings, liposuction (liposculpturing), thigh or upper arm tightening, abdominopla-

Plastic and Aesthetic Surgery

sty, mammoplasty – reduction or enlargement – through to the treatment of congenital mal-formations. Classic operations in the head region include corrections to eyelids, nose, ears or face (face lifting). Currently and often discussed in the media are problems such as hand rejuvenation,

female genital surgery and removal of tattoos. Here too, we are able to offer you a conceptualized plan for treatment. New methods of aesthetic surgery and the use of innovative techniques and materials enable the finest results such as hardly visible scars. An example of this is the use of en-

doscopic procedures for breast augmentation (i.e. breast implants are inserted via a small incision in the armpit) or in forehead lifting.

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Department of Anesthesiology, Intensive Care Medicine and Pain Therapy



*Department of Anesthesiology,
Intensive Care Medicine and
Pain Therapy*
Head of Department
Prof. Dr. Lars Fischer



The Department of Anesthesiology, Intensive Care Medicine and Pain Therapy provides you with safe and up-to-date anesthetic methods for all surgical interventions. We carry out anesthesia for inpatients and outpatients.

Your health is the most precious good for us. It is our obligation to provide the best possible treatment and individual medical care on the basis of our high standards, competence and the latest, highly developed procedures.

We care about your fears and worries about the "coming unknown". Therefore we provide you with all informations you need and want. Our Clinic carries out anesthesia for more than 11,000 patients every year. We treat patients of all ages – from the newborn to the 100-year old. The prescribed safety standards are well exceeded. During anesthesia our highly qualified physicians and nurses never leave you alone.

Standardized and regularly scheduled continuing education programs for our employees guarantees you the highest level of absolutely up-to-date knowledge and skills for your medical care.

At our Clinic we endeavor to attain a low-pain to pain-free postoperative time for all patients. To achieve

ve this aim we perform a large percentage of our procedures with regional anesthetic techniques. The anesthesiologist visits the patient twice every day and adjusts the "painkiller pump" according to your individual needs; sensitivity to pain differs from person to person. Of course, this analgesia service by our physicians is available 24 hours a day.

At the same time our **specially trained team** takes care of all **pain patients** for therapy at the Hospital in Memmingen. The individual pain situation is taken into account and possible treatments include non-invasive and invasive techniques.

In our anesthesia outpatients' department from 8:00 to 15:00 hours you will be given all the information you need for the planned intervention and the best anesthesia method for you will be chosen.

Children under the age of 14 can be accompanied by their parents on the way to and from the OP theatre and of course after their operation also in the recovery room.

Our 10 bed **Intensive Care Unit** is **organized and managed by our department in close cooperation with all specialist surgical departments** in our hospital. Here, too, we work around the clock for your health, using the latest monitoring and therapies. At the same time, however, the highest level of intensive care with individual and sensitive nursing is our first priority, such that "apparatus medicine" is excluded.

Emergency medical aid and emergency doctor service complete the spectrum in our **Department of Anesthesiology, Intensive Care Medicine and Pain Therapy**. Experienced medical staff ensure a well-functioning emergency service for the clinic. For further information about the whole range of services, events in the clinic and for detailed descriptions of the different anesthetic techniques and intensive medical care procedures, please consult our personnel or check out our Internet site: www.klinikum-memmingen.de.

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The Operation Theatre offers the most technologically advanced equipment. In spite of the "high tech" equipment that is available to us, the department focuses on the patient. Regardless of whether a planned or emergency operation, the patient remains the focus. Over the years operational techniques have become more sophisticated and as a result we offer our patients a modernized surgical experience. This includes endoscopic surgery when required.

Our surgical department is fully integrated with the hospital. This means that the continuity of care of the surgical patient begins long before the actual operation day, providing additional safety and overall sense of well-being.

On the day of surgery the patient is brought to the pre-operative area by the medical staff. From here the patient is cared for by the theatre and anesthesia teams. This care continues through the operation and until the patient is brought into the post-operative area and recovery room after surgery. If necessary, this team also follows the patient to the Intensive Care ward. Every employee of the operation theatre department (cleaning personnel, physicians, medical support staff) regardless of their area of work (pre-operative area, sterilization, in the theatre, recovery room) is here for you and cares about your recovery.



The operation theatres are divided based on specialty and procedures and therefore are distributed over two floors. The theatres are air conditioned, well ventilated, and comply with the respective hygienic standards necessary for each operation that is performed. To maintain sterility the staff wears protective clothing including head covers, and face masks.

Due to the fact that the operation theatre and surrounding areas must remain sterile, visitors are not allowed.

An exception is allowed for parents accompanying their children after surgery by which the accompanying parent is permitted in the recovery room.

Internal Medicine Department I



*Department of Internal Medicine I
Cardiology, Pulmonology, Nephrology,
Intensive Care Medicine*
**Head of Department
Prof. Dr. Andreas May**

Every year our 20 doctors treat more than 4000 inpatients in the department of Internal Medicine I, on specialty wards, as well as in the emergency, medical, and critical care

wards. In addition to general internal medicine the department specializes in diseases of the cardiovascular system, lungs, kidneys and in critical care medicine.

Cardiovascular diseases

Five cardiologists with various additional sub-specializations, in collaboration with the entire team of doctors and nurses in the department, care for the cardiovascular patients. In addition to conventional treatment with medication, our care spectrum includes invasive diagnostics and treatment with the latest equipment including:

- Cardiac catheter for the
 - Diagnosis and treatment of coronary heart disease, including urgent treatment of myocardial infarction (on call 24 hours/day, 7 days a week, 365 days a year) using the latest developments (intracoronary ultrasound, "intracoronary pressure wire" (FFR), rotablation, recanalization of chronic occlusions, dissolving stents etc.).
 - Diagnosis and treatment of valvular heart diseases (Valvuloplasty, MitraClip to treat mitral insufficiency)
 - Occlusion of the "left atrial appendage" or leaks/holes in the intra-atrial septum (persistent foramen ovale, ASD) or in left atrial appendage valvular prostheses.
 - Diagnosis and treatment of congestive heart failure (left / right ventricular catheter, myocardial biopsy etc.).
- Insertion of pacemakers, "event recorders", internal defibrillators



and "3-chamber ICDs" (biventricular resynchronization) and their subsequent aftercare in cooperation with the surgical department.

- Electrophysiology with ablation of complex arrhythmias, incl. atrial fibrillation ablation.
- Renal de-nerivation in patients with high blood pressure that is difficult to treat or is resistant to medical treatment.

In addition, we have a non-invasive cardiology sub-department with

- Echocardiography including 3D-Tee
- Stress echocardiography for the highly sensitive diagnosis of coronary heart disease and/or to assess the risk for heart disease
- Holter ECG to check for suspected arrhythmias
- 24-h blood pressure monitoring
- Color-coded duplex vascular sonography of vessels
- Cardiac CT and cardio MRT are performed in close cooperation with the radiology department.

Pulmonology (Lung and bronchial medicine)

To aid us in the diagnosis of diseases of the respiratory tract and lungs, we have some of the latest measuring techniques at our disposal. We use a whole body plethysmograph to test lung function. To assess for allergy-linked diseases of the respiratory tract

we use allergy tests and provocative tests if needed for clarification. Our diagnostic method of choice to differentiate various bronchial tumors is endoscopy of the respiratory tract (bronchoscopy) with the use of flexible equipment. To assess and diagnose pulmonary arterial hypertension we use a right sided heart catheter. Potential drug treatments for the disorder can be tested simultaneously through a VAO reactivity test.

Nephrology

The section of Nephrology provides diagnosis and treatment of patients with acute or chronic kidney disorders. Diagnostic methods include laboratory tests, renal ultrasound and percutaneous renal biopsy. Treatment of patients with severely compromised renal funktion, not yet dialysis – dependent appears to prevent dialysis as long as possible, if unavoidable. Preperation for dialysis includes close cooperation with the department of vascular surgery for either vascular access for hemodialysis or insertion of a peritoneal dialysis catheter. All modern methodes of renal replacement therapy (hemodialysis, hemo-filtration, peritoneal dialysis) are provided by the dialysis unit. Patients with plasmacytoma can be treated with HCO – Dialysis. For patients with congestive heart failure immuno-adsorption is available.

Critical Care medicine

Patients in the Internal Medicine Department I who require intensive care and monitoring are looked after by not only experienced intensive care doctors, but also with their colleagues in the Internal Medicine Department II. Modern methods for treating cardiogenic shock, controlled hypothermia following resuscitation after a cardiovascular collapse, invasive cardiovascular monitoring and renal replacement therapy using the latest technology and guidelines, are also available.

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Internal Medicine Department II



Department of Internal Medicine II
Gastroenterology/Hepatology, Endocrinology/Diabetology,
Hematology, Oncology, Palliative Care
Head of Department
Prof. Dr. Albrecht Pfeiffer



91 beds

The Medical Department II provides treatments for disorders within the entire field of internal medicine. Our particular focus lies in gastroenterology/hepatology, endocrinology/diabetology and hematology and oncology.

An additional component within our department is palliative care, for

which a special ward has been established.

Together with the Department for General Surgery, Visceral, Thoracic and Vascular Surgery, we form the core of the certified bowel and pancreas center.

In our **endoscopy unit** (more than 10000 procedures per year), we utili-

ze the latest techniques including video-capsule-endoscopy and double-balloon-enteroscopy for examination of the small intestine.

Endoscopic procedures are no longer a diagnostic tool, but are more and more used in treatment. Modern methods for early diagnosis of tumors include the use of stain diagnostics and high resolution endoscopes. The-





therapeutic endoscopy includes the treatment of varices, hemorrhage and vascular malformations, polyps and tumors, as well as benign and malignant strictures of the esophagus or any other part of the gastrointestinal tract. Stones are removed from the biliary tract and both benign and malignant stenoses are treated with plastic and expandable metal stents. Strictures of the pancreas can also be enlarged. Pancreatic pseudocysts are treated by transgastric or transduodenal stents.

An endoscopic on-call team is available 24-hours a day for emergencies. If necessary, our patients are cared for in the Intensive Care Unit.

Ultrasound provides the best basic medical imaging and can be supplemented with the use of contrast medium. Organ puncture is guided by ultrasound. Endosonography optimizes the diagnosis of tumors of the gastrointestinal wall and the pancreas by assessment of the depth and the extent and allows precise tissue samples to be taken from the organs.

In the laboratory for investigation of **functional gastrointestinal disorders** we are able to diagnose various disorders of the intestinal tract using pressure measurements (manometry), various types of H2-respiratory tests, pH-monitoring and impedance measurement. These procedures are use-

ful in the diagnosis of gastro-esophageal reflux and defecation disorders.

Our outpatient consultation service is available for specific gastroenterology and hepatology issues, including gastroenterological oncology.

Our high standard of gastroenterology in the department is demonstrated by numerous contributions to national and international congresses and publications in highly acknowledged medical journals.

Endocrinology refers to disorders of the hormone system e. g. disorders of the pituitary gland, adrenal and thyroid glands and endocrine intestinal tract tumors.

For patients with **diabetes mellitus** there is a wide variety of modern diagnostics and therapy available, including the opportunity for comprehensive dietary advice and structured diabetic training. We have been recognized as a "Disease Management Program" (DMP) Center by the Bavarian Hospital Association.

In **Oncology** we collaborate with each department of our hospital in order to diagnose and treat malignant diseases. This includes the collaboration with the radiation therapy unit and with oncologists in private practice. Whenever possible, chemotherapy is

carried out as outpatient treatment. Our collaboration with the department for physiotherapy allows early physical treatment and quick mobilization of bed-ridden patients.

Despite the increasing subspecialization of medicine it is an absolute priority for our entire staff to maintain competence within the wide field of internal medicine and to provide most individualized medical care to every patient.

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Pediatrics and Neonatology



*Specialist Clinic for Pediatric Medicine,
Neonatology*
Sociopediatric Center
Head of Department
Prof. Dr. Martin Ries

64 beds

The pediatric department within the Memmingen Medical Center is the pediatric center for Memmingen, the region of Unterallgäu and neighboring Württemberg-Schwaben. Our clinical spectrum, in addition to general pedi-

atric medicine, includes the treatment of premature and newborn babies, with intensive care extending into the surrounding region.

Together with the department of Obstetrics and Gynecology the pediatric department forms a Perinatal

Center with the task of centralized medical care for at risk pregnant women and newborns. Under the framework of the Perinatal Center, the pediatric department manages an emergency service for newborn babies that is responsible for numerous maternity wards in the Allgäu region.



We are also specialized in pediatric nephrology and offer pediatric dialysis facilities.

Affiliated with the department of pediatrics is the Socio-pediatric Center (SPZ). The SPZ offers a wide spectrum of care services for children and adolescents with disabilities including comprehensive outpatient treatment with specialist therapists (neuro-pediatricians, development neurologists, pediatric psychiatrists, psychologists, speech therapists, physiotherapists, occupational therapists, motor therapists, social education workers). The Socio-pediatric Center supplements the subspecialty of neuro-pediatrics within the department, and offers a large EEG and seizure care center.

We offer special outpatient clinics for:

- children with seizure disorders
- pediatric gastroenterology (including endoscopy)
- pediatric endocrinology and metabolic disorders
- pediatric nephrology (with dialysis and transplantation care center)
- pediatric cardiology

- pulmonology (with bronchoscopy), allergy, mucoviscidosis, asthma courses
- diabetology with diabetes courses
- rheumatology
- overweight with diet courses
- hemangioma treatment
- outpatient care for infants with colic
- ultrasound
- neurodermitis with neurodermitis courses
- hemostaseology

The wide scope of services offered by our department shows that modern pediatric care covers a broad range of medical and nursing tasks and activities, and covers a broad range of age groups. Premature and newborn babies, toddlers, infants, schoolchildren and adolescents through the end of their development are treated as inpatients and outpatients.

Regardless of age, a hospital stay can cause psychological stress due to the illness. This affects not only the sick child but can also affect the whole family. Frequent visits in addition to

patience and positive attention from the parents, doctors and nurses alleviate the child's fears and the uncertainty caused by a strange environment and unfamiliar situation. For this reason we have almost no restrictions on visiting times for parents and family in our department. It is also possible for a parent to stay with the child free of charge. Supervision of the children in the play room, visits by the Kinderschutzbund [German child protection agency], regular appearances by the "Clinic Clowns" and the children's library all contribute to the variety of life on the ward.

Depending on the health condition of the child, lessons for small groups can be given in the hospital school by a qualified teacher or otherwise individually in the child's hospital room.

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Neurology



Neurology
Head of Department
Privatdozent Dr. Christoph Lichy M. Sc.

19 beds (including 6 monitoring beds for stroke care)

Stroke, epilepsy, multiple sclerosis, Parkinson's disease:

everyone knows these illnesses of the nervous system. The number of people who suffer from these increases as people live longer. Symptoms caused by a nerve disorder such as paralysis, seizures, or pain or mental changes, can often present particularly serious problems not only for the people who suffer but also for their families. Neurology for deals with the care and treatment of these individuals. For a long time neurology was considered to be a very complicated field, dif-

ficult to diagnose but rarely able to offer satisfactory therapies. Fortunately, this has changed considerably over the last two decades. Examples include the clot-dissolving "thrombolysis" for acute cerebral stroke or the more and more sophisticated options in the pharmaceutical treatment of seizures, multiple sclerosis and Parkinson's disease.

We are pleased to announce that since the summer of 2010 the Memmingen Medical Center has offered a neurology department with an integrated "Stroke Unit". This resource is invaluable in cases, such as cerebral stroke, where rapid medical attention is necessary.

The neurology department also has the facilities for electrophysiological diagnosis of central and peripheral nerve damage (neurography, electromyography, evoked potentials, transcranial magnet stimulation), for electroencephalography (electrical brain activity assessment i.e. in the diagnosis of epilepsy), and for neurosonology (ultrasonography of the arteries that supply the brain). Neurological imaging facilities (CT and MRT) are also directly available in the hospital.

Capacities in the intensive care unit enable us to treat the most serious neurological disorders such as cases of meningitis. For patients who require neurosurgery we offer treatment in the Neurosurgery University Clinic of Ulm/Günzburg. Our department would not be complete without the motivation and dedication of our qualified personnel in nursing, speech and dysphagia therapy, physiotherapy and occupational therapy, all of who-in particular in the field of neurology-play an essential role to the success of the treatment.

The team at the Neurology Clinic wishes you a speedy recovery and we trust that we can make a contribution!



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Radiology and Nuclear Medicine



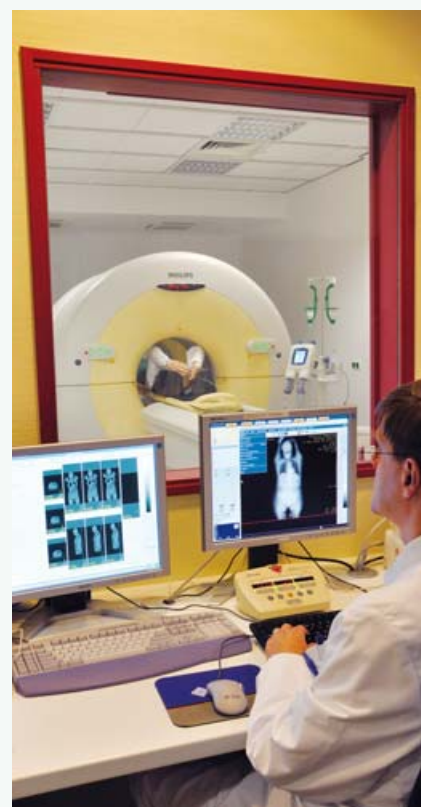
Radiology and Nuclear Medicine
 32-liner CT and PET-CT
Head of Department
Privatdozent Dr. med. J. Stolfuss

As the radiology-nuclear medicine department of the Memmingen Medical Center we are specialists in the image recording of the human organism. Apart from the conventional, long established X-ray diagnostics, for example of lungs, bones, joints or intestinal tract, our work now also extends primarily to the latest sectional view systems such as computer tomography. Whenever possible and by necessity, we also use magnet resonance tomography or sonography, which does not require ionizing radiation.

The Memmingen Medical Center was the first clinic in the Allgäu region to introduce positron emissions tomography (PET) in the department for radiology and nuclear medicine in July 2009. PET is a new type of imaging system that is capable of producing an image of the processes of body metabolism by means of short-life radioactive substances (isotopes). PET allows functional information to be gained from diseased tissue that often precedes changes in anatomical structure (form and size) with a very high level of sensitivity. This information is used primarily in the case of tumor diseases in order to diagnose the tumor, to show the progress of the treatment, or to recognize any recurrences as early as possible (before detectability by other methods). Compared with classic imaging methods such as MRI or computer

tomography (where information is obtained with respect to appearance and localization of changes), PET can characterize function, metabolism and biochemical processes in organs and tissue. The PET apparatus is linked with the computer tomography apparatus as a PET/CT machine so that the anatomical information can also be recorded in one session. With the many new examination possibilities, our aim is to continually optimize the diagnostic procedures while simultaneously keeping the radiation exposure as low as possible for the patient. The work of the radiology department begins immediately with a consultation with the physicians who have referred the patient to us. With the assistance of our colleagues we decide on the radiology required, the necessary diagnostic procedures, and we prepare the patient and provide them with all information. In addition to diagnostic procedures, our spectrum of services includes various therapy treatments such as reopening of closed or narrow vessels, precisely localized intraarterial administration of medication to malignant tumors and drainage of inflammatory fluids.

In order to consistently improve our services we invest in the latest technical systems while simultaneously providing ongoing specialist training for our staff. All these measures are intended for the good of the patient.



Flexible work plans, mutual esteem, recognition and working together on good terms are the principles practiced by the 35 employees of the Department for Radiology in order to provide sound, patient-friendly radiology services.

More information can also be found under www.klinikum-memmingen.de.

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