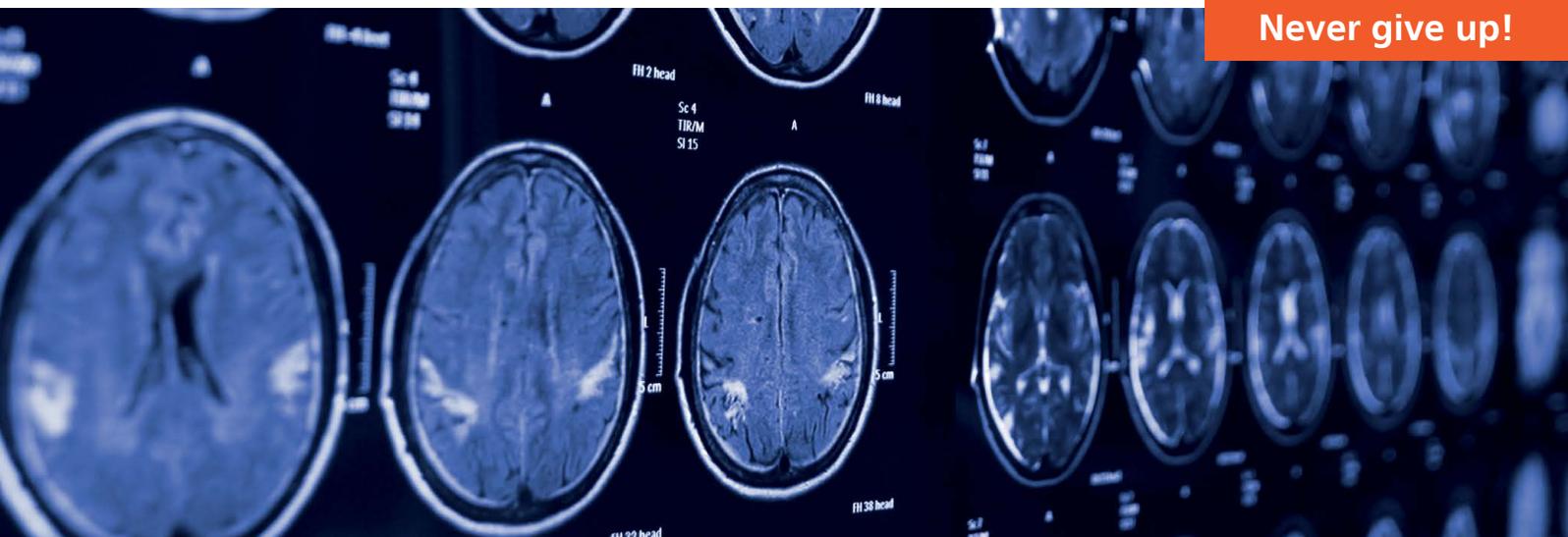


Schmieder Clinic
Neurology and neurological rehabilitation

OUR CLINIC'S MOTTO:
Never give up!




high quality in neurological rehabilitation





highest quality



experience since 1950



scientific research



exclusive comfort



intercultural competence



personal care

Six Reasons for Schmieder Clinic

What makes a treatment at Schmieder Clinic so special?

- ★ Personal care for each patient and their attendants
- ★ Close interdisciplinary communication between doctors, therapists, and nurses on the weekly treatment goals of the patient
- ★ Medical and therapeutic excellence of Schmieder Clinic, due to the interconnection of scientific research and treatment of patients;
- ★ Excellent results in external examinations
- ★ State of the art diagnostic tools and therapy equipment (for example „Vector“, 3-Tesla-MRT)
- ★ Lounge, exclusively for international and private patients as well as their accompanying persons.

OUR CLINIC'S MOTTO

Never give up!

➤ We want our clinic's motto to encourage our patients to take up and continue their personal struggle for neurofunctional improvements. We want the motto to give patients strength and hope, and also support their families, never to lose sight of the treatment goals.

Welcome!

Dear Ladies and Gentlemen,
dear Patients and Relatives,



Paul-Georg Friedrich
Chief Executive Officer (CEO)

For decades, Schmieder Clinic has pursued its aim to provide neurological patients with the best possible treatment. Since 1950, we have been the quality leader in neurological rehabilitation and have worked hard for our excellent international reputation.

We are proud to welcome so many patients from all over the world each year to benefit from our range of medical services. They trust in us which commits us to provide best possible treatment. This treatment is always very individual and adjusted to each patient's needs. Treatment is based on the newest scientific findings and methods.

We strive to give our patients a new quality of life. And we do our best to achieve this.

Kind regards,

A handwritten signature in blue ink that reads "Paul-Georg Friedrich". The signature is written in a cursive, flowing style.

Paul-Georg Friedrich
Chief Executive Officer (CEO)

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Our clinic sites are located amidst beautiful nature: at the shores of Lake Constance, near the metropolitan area of Stuttgart, and on the edge of a nature reserve near the university city of Heidelberg.



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PATIENT ROOMS

The international departments of Schmieder Clinic offer modern rooms, high-quality furnishings, excellent comfort, and high service quality.



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IN THE HEART OF EUROPE

Located in close proximity of Switzerland, Austria, and France, the clinic sites are ideal starting points for a variety of leisure activities.

OUR COMPETENCIES

► Schmieder Clinic treats neurological patients of all severities and in all acute and rehabilitation stages. As a quality leader, we set medical and therapeutic standards and advance them continuously in cooperation with our research institute.

Past and presence

In 1950, Prof. Friedrich Schmieder founded the first clinic in Gailingen which is located at the High Rhine close to the Swiss border. Prof. Dr. Friedrich Schmieder, the pioneer of neurological rehabilitation, was convinced that professional and intensive treatment would enable improvements of deficits even if the brain damage had existed for a long time. Current brain research proves that this assumption is true.

Today, Schmieder Clinic with almost 2,000 employees working at six sites in South Germany treats about 14,000 neurological patients per year. We are internationally renowned for our decade-long experience in treating patients from all over the world, the high quality standards, and our willingness to do our best day after day.

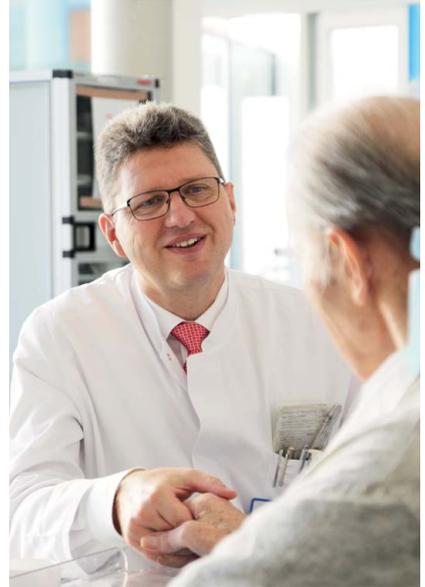
Experience, advance, humanity

Experience, advance, and humanity are our most important pillars on which our work is based. They add up to trust – trust in the treatment, the doctors, the therapists, and the nurses. This is the only way to achieve our common goal to give our patients a new quality of life.

Research

In 1997, Schmieder Clinic and the University of Constance founded the Lurija Institute for Rehabilitation Sciences and Health Research which has since conducted much research in neurological rehabilitation. The annual Schmieder Foundation award is granted to young scientists working in this field. Furthermore, we maintain numerous research cooperation relationships with the university medical centres of Freiburg, Heidelberg, Tuebingen, Mannheim, and Magdeburg.

Together with these university medical centres, we do research on behalf of our patients. We are committed to advance treatment methods and innovate therapeutic options.



➤ Our work focuses on medical treatment at the highest level, innovative treatment strategies, and humanity – the pillars of customised individual treatment strategy at Schmierer Clinic

THE PHASE MODEL

▣ The phase model considers severity and duration of the disease and assigns all aspects of neurological rehabilitation to treatment phases. It was developed by Schmieder Clinic, was scientifically verified, and is now the standard of care in Germany.

Phase A/NRP-I: Acute treatment

The acute treatment is provided after an accident or illness and includes intensive medical care, if necessary. It is essential to help the patients quickly. The first few hours after an acute neurological event and the treatment of the patients at this stage are of major importance. Frequently, the vital functions are considerably affected. Quick and qualified specialist treatment of the patients, e.g. in a Stroke Unit, is urgently necessary.

Phase B/NRP-S: Early rehabilitation

In early rehabilitation, severely affected patients receive treatment and rehabilitative support. Due to the severity of their conditions, the patients still need intensive medical monitoring and treatment. Many different professionals (physicians of various specialties, therapists, intensive care nurses, social service providers etc.) work with the patient and his/her relatives to restore vital and sensorimotor functions, coordination as well as mental, cognitive, and psychic functions. Beds equipped with ventilators and intensive medical equipment are indispensable for this.

Phase C/NRP-M: Early mobilisation

The Phase C treatment (post-primary rehabilitation) focuses on the promotion of ADL competences (activities of daily living). The patients are able to cooperate and are medically stable but partly still need considerable nursing care. Interdisciplinary teams consisting of physicians, various therapists, nurses, and social service providers work together to develop a customised treatment for the patient's individual clinical picture.

Phases D/E / NRP-M: Post-hospital curative treatment

Phases D/E set the stage for the patient's vocational re-integration. The patients are largely independent as regards ADLs. Phases D/E focus e.g. on testing the vocational and professional competences, but also on practising mental and psychological functions, social competence, and leisure competence. In addition to vocational promotion or occupational re-training, full re-integration in the patient's professional environment can be addressed.

HOSPITAL TREATMENT

REHABILITATION

NRP-I*	NRP-S*	NRP-M*		NRP-M Day Care*
Phase A Acute treatment	Phase B Early rehabilitation	Phase C Early mobilisation, post- primary rehabilitation	Phases D/E General rehabilitation, post-hospital curative treatment	Out-patient rehabilitation
			Preparation of occupational rehabilitation	
		Promotion of ADL competence		
	Early rehabilitation of motor and cognitive skills			
Restoration of the vital functions, intensive care				

*Neurological Rehabilitation Programme – Intensive: **NRP-I**

*Neurological Rehabilitation Programme for patients with **Severe** brain damage: **NRP-S**

*Neurological Rehabilitation Programme for patients with **Moderate** brain damage: **NRP-M**

*Neurological Rehabilitation Programme for patients with **Moderate** brain damage (Day Care): **NRP-M Day Care**

OUR MEDICAL TEAM

➤ Our physicians are neurologists of passion. In addition to their professional competence and their enthusiasm for their profession, the physicians ensure the quality of our standards in neurology and neurological rehabilitation and have continued to develop these standards for many years through research work and accreditations.

Schmieder Clinic in Allensbach



PROF. DR. MED. JOACHIM LIEPERT is the Medical Director of the Neurorehabilitation (Phase C, D, Geriatric rehabilitation) in Allensbach and one of the leading specialists in neurological rehabilitation in Germany. He has treated international patients for many years. His key activities include stroke rehabilitation using innovative treatment strategies, clinical electrophysiology, movement disorders, and botulinum toxin therapies.



PROF. DR. MED. ANASTASIOS CHATZIKONSTANTINOU is the Medical Director of the Acute Neurology and the Early Neurological Rehabilitation in Allensbach. Post-stroke management as well as the full range of acute treatment of neurological conditions are his key activities. His research areas include epilepsy, stroke, and electrophysiology.



DR. MED. MICHAEL KAPS is Deputy Medical Director of the Department of Early Rehabilitation, which treats severely affected neurological patients. He has many years of experience in the management of international patients. His key activities include neurological intensive medicine, ventilator weaning, rehabilitation of patients with severe disturbances of consciousness, use of botulinum toxin, and diagnostic assessment and treatment of swallowing disorders.



DR. MED. OLYA NEUMANN is an experienced specialist in neurology. She is a senior physician responsible for the international patients. She speaks English, German, and Russian fluently. One of her special medical interests is the pharmacological and non-pharmacological stimulation of coma patients. Other activities include neurological diagnostics, differential diagnostics, neurological intensive medicine and rehabilitation as well as the treatment of traumatic and non-traumatic brain injuries.

Schmieder Clinic in Heidelberg



PROF. DR. MED. MIRCEA A. SCHOENFELD is the Medical Director of the Schmieder Clinic in Heidelberg. He is a renowned scientist and a very experienced specialist in neurology. His key activities include cognitive neurology, clinical neurophysiology, and the development of new and innovative therapeutic standards. He conducts basic research in the field of the visual system and investigates plastic processes that take place in the central nervous system when lesions have occurred.



DR. MED. MARKUS BERTRAM has been the Head of the Department of Neurological Early Rehabilitation in Heidelberg for many years and is Deputy Medical Director. His key activities include the treatment of early rehabilitation patients requiring intensive care including invasive ventilation, neuro-sonological diagnostics, use of botulinum toxin, and device-based diagnostics (FEES trainer certificate) for neurogenic swallowing disorders.

Schmieder Clinic in Stuttgart



DR. MED. ERIKA SAUER has been the Medical Director of the Day Unit in Stuttgart for more than 10 years. She is a specialist in neurology and internal medicine with additional qualifications in psychotherapy and clinical geriatrics. Her key activities include treatment and support of patients who strive for vocational re-integration as well as rehabilitation treatment for the full range of neurological conditions. She is specifically qualified to treat internal medical comorbidities.

Schmieder Clinic in Constance



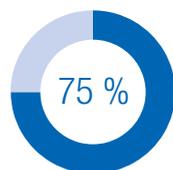
PROF. DR. MED. MICHAEL JÖBGES is the Medical Director of the Schmieder Clinic in Constance. His work area include the neurological rehabilitation of motor and neuropsychological deficits and the treatment of movement disorders as well as strokes and other neurological conditions. He researches in the field of motor rehabilitation, Parkinson's disease, and post-stroke depression.

NEUROLOGICAL DISORDERS

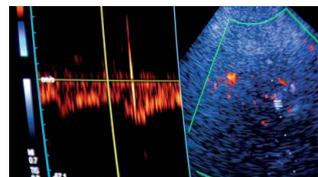
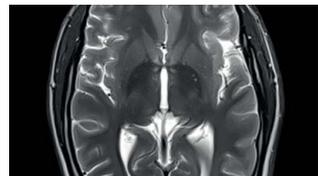
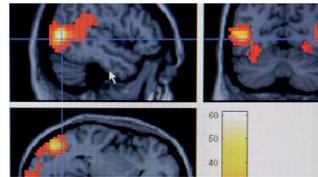
➤ Schmierer Clinic provides acute and rehabilitation treatments of all neurological disorders of all severities. A high degree of specialisation, many years of experience, and intensive research allow for comprehensive treatment of all neurological indications at Schmierer Clinic.

Disorders

- Treatment of acute and post-acute brain damage (e.g. sequelae of stroke, traumatic brain injury, brain tumour etc.);
- Inflammatory and immunological diseases of the central and peripheral nervous systems, treatment of multiple sclerosis;
- Treatment of neurodegenerative disorders (Parkinson's disease etc.);
- Spinal cord disease;
- Movement disorders, e.g. dystonia;
- Muscular disorders;
- Neurological pain syndrome;
- Neurological disorders accompanied by mental health disorders or psychosomatic disorders
- and other neurological indications



OUR OUTCOMES: During rehabilitation, 75 percent of our patients improve their performance in at least three functional areas



➤ All world-wide existing neurological disorders are diagnosed and treated at Schmieder Clinic using state-of-the-art medical high-tech equipment

OUR DIAGNOSTIC TOOLS

➤ An essential base of medical treatment is a thorough and reliable diagnostic assessment. Schmieder Clinic disposes of the full range of sophisticated diagnostic tools and highly qualified staff. In addition to a magnetic resonance imaging system of the newest generation, Schmieder Clinic has a centre for sleep medicine on hand.

Range of diagnostic methods

- Neuroradiology (3 Tesla MRI/CT systems);
- Extra- and intra-cranial colour duplex sonography of the vessels supplying the brain;
- X-ray scanners;
- Neurophysiological diagnostic tools (EMG, EEG, evoked potentials);
- Standardised initial examination in physiotherapy and occupational therapy using validated methods;
- Diagnostic tools for speech/language and swallowing disorders;
- Diagnostic tools for neuropsychology, visual field test (perimetry);
- Diagnostic tests for internal medicine: ultrasound including Doppler echocardiography, gastroscopy including PEG insertion;
- Long-term ECG, prolonged blood pressure measurement, ergometry, lung function tests, sleep apnoea screening;
- Endoscopic examination of deglutition.

FACTS WORLD STROKE ORGANIZATION

EVERY SIX SECONDS, a person is killed by a stroke.

EVERY SECOND, a stroke occurs – regardless of age or gender.

APPROX 33 MILLION PEOPLE are affected by a stroke – many of them suffer from permanent disabilities.

.....
70 YEARS of experience in the treatment of stroke patients speak for Schmieder Clinic.

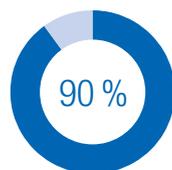


OUR RANGE OF THERAPIES

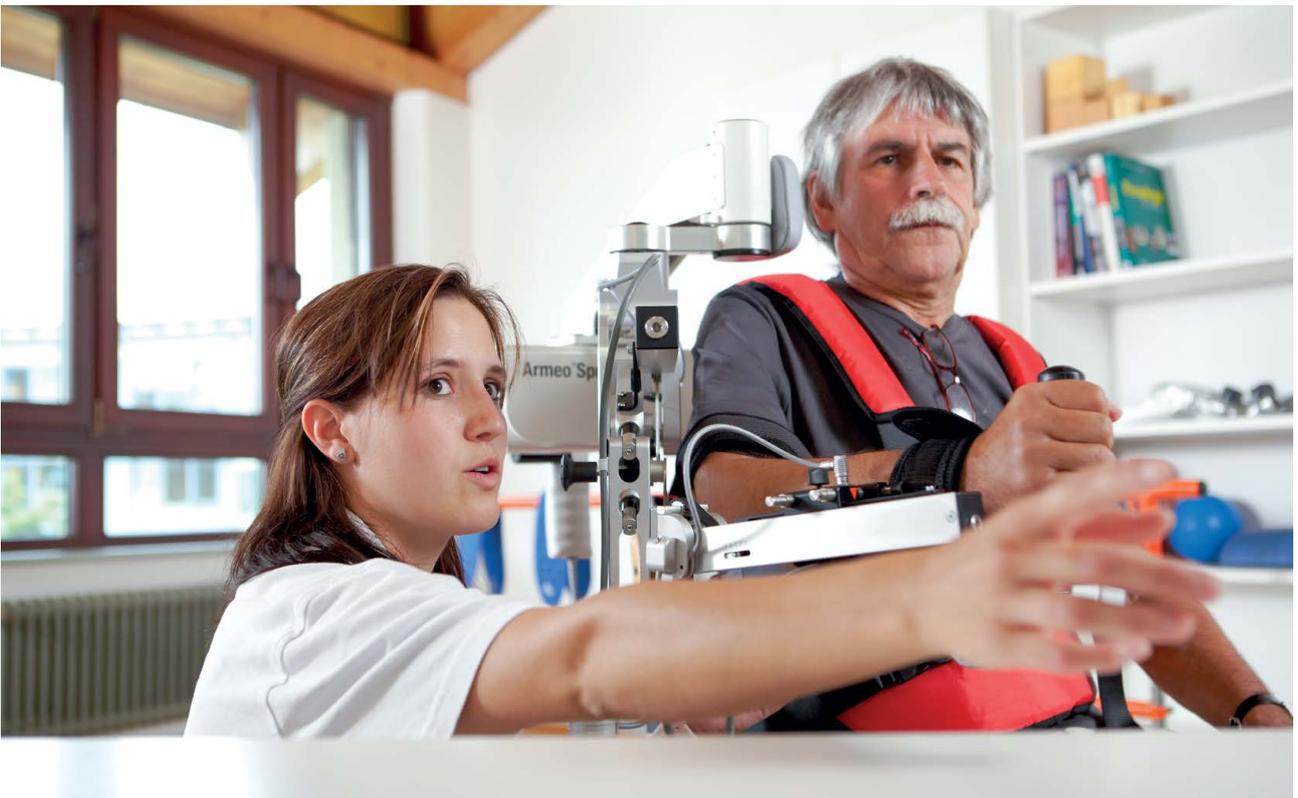
▣ Therapeutic treatment is of utmost importance in neurological rehabilitation. The patients re-learn motor, cognitive, and language skills. Inter-disciplinary teams provide individual therapy for the patients and adjust the treatment concepts to each patient's advances.

Therapies

- Medical therapy including drug treatment;
- Physiotherapy, sports therapy;
- Occupational therapy;
- Neuropsychology;
- Speech/language therapy, swallowing therapy;
- Physical therapy;
- Health education and dietary advice;
- Treatment and intensive care, nursing therapy;
- Innovative therapies: Lokohelp gait training, mirror therapy, CIMT, virtual reality, use of new feedback-guided devices for the upper extremities (Pablo, Armeo etc.), Vector system for sensor-controlled gait training and many more.



OUR OUTCOMES: 90 percent of our patients improve their performance in at least one area of every-day life



➤ Schmieder Clinic offers its patients far more than a dozen different therapeutic disciplines – a unique range even in international comparison. A number of innovative treatments are added that are developed in direct collaboration with German university medical centres and our clinic-owned research institute



BELIEVING IN ONESELF, A STRONG WILL AND THE DAILY COMMITMENT TO PRACTICE ARE THE BASIC FACTORS FOR SUCCESSFUL REHABILITATION

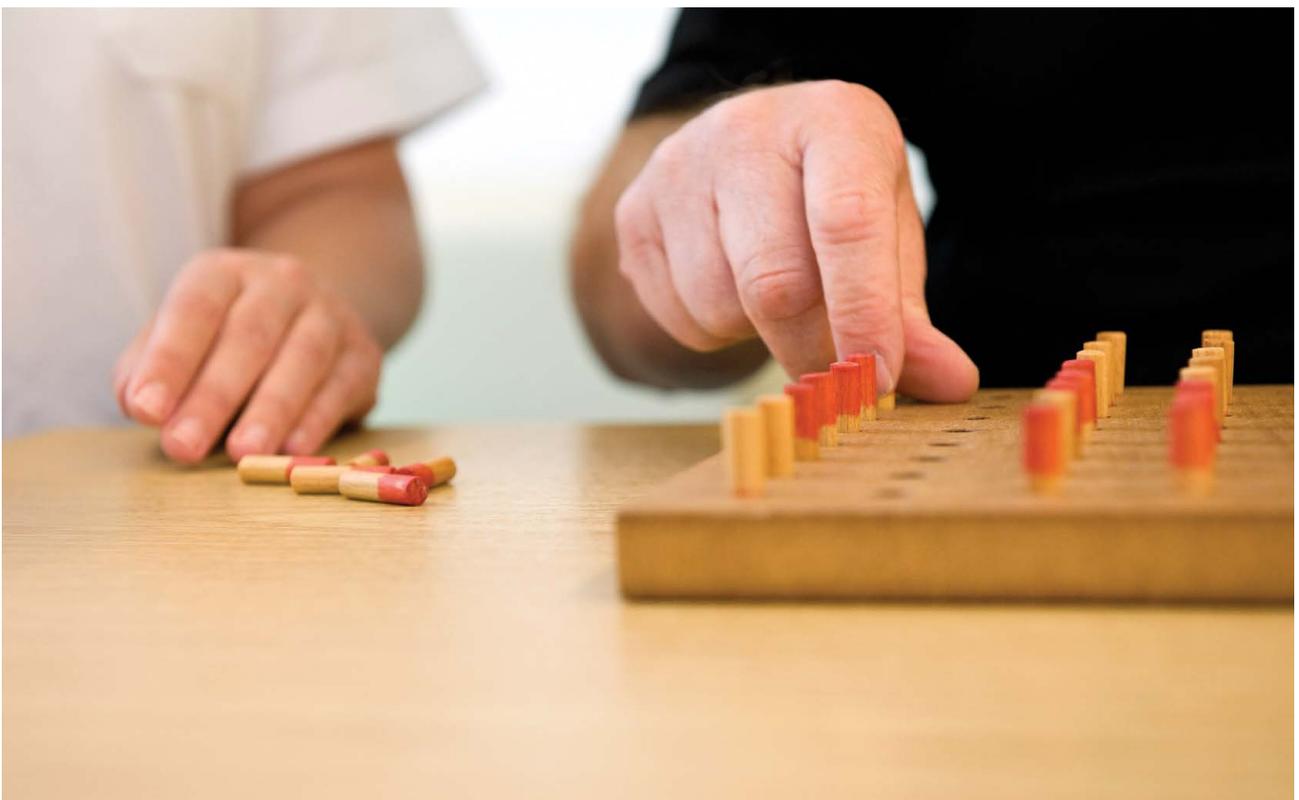
Prof. Dr. Joachim Liepert, Medical Director,
Schmieder Clinic in Allensbach

OUR GOALS AND METHODS

▣ Our clinic's motto "Never give up!" is the basis of neurological rehabilitation – for patients, their relatives and friends, and their entire social environment. Our work aims at improving or restoring impaired motor, cognitive, or mental functions of the brain and the nervous system subsequent to an accident, stroke, or any other neurological disorder. We help our patients to re-gain the highest possible degree of independence in their personal, social, and occupational environments.

Our goals

- Improving the impaired functions and guidance for self-training;
- Compensation of the lost functions by practising compensatory strategies;
- Adjusting to the preserved capacities and practising health-promoting behaviours;
- Advancing unused personal resources;
- Adopting a positive basic attitude to achieve advances in health.



➤ Schmieder Clinic guides, accompanies, and supports its patients during and after rehabilitation. Right from the beginning, the jointly defined goals are of much importance; focussing on them and never losing sight of them – that is the way to successful rehabilitation

OUR CLINIC SITES

▣ In observance of a holistic treatment concept, Schmieder Clinic incorporates the surroundings and thus nature in the healing process. All clinic sites are therefore located in scenic surroundings, amidst large forestlands, or bordering such areas. Metropolitan areas like Stuttgart, old German university cities like Heidelberg or Tuebingen, the location at the shores of Lake Constance, or the close vicinity to Switzerland and the Alps offer a variety of leisure activities for our patients' relatives and friends.

Wards for international patients

- Multi-lingual staff: standard treatment in English; on request: speech/language therapy and translators for Arabic and Russian;
- Culture-specific and individual services, e.g. meals, offers for Ramadan;
- Advice and support with questions regarding drugs, passport matters, medical reports, taxi transfers, organisation of patient transport ambulances;
- Advice and support for leisure-time programme in Constance, Stuttgart, Switzerland, Zurich etc.;
- Interpreters for English, Russian and Arabic.



➤ Our clinics are magnificently located – bordering nature reserves, water, or forestland. These exceptional locations support the healing process since neurologically impaired patients need a protected environment where they can gradually re-gain health and strength

PATIENT ROOMS

▣ Apartments with modern and high-quality furnishings are available on our comfort wards. All apartments are equipped with HD wide screen TV, safe, and refrigerator. They offer a marvellous view, a spacious bathroom, and a separate living area.

Services and equipment

In addition to high-quality furnishings, we offer superior service quality in a pleasant hotel-like atmosphere. This includes e.g. a range of special food and drinks.

More than 1,000 international TV programmes, a selection of international newspapers and magazines from our patients' cultural regions, and a great variety of dishes are available for our patients and guests.

- Coffee and cake (Lounge);
- Fruit basket and various fruit juices as well as non-alcoholic beverages;
- Selection of international newspapers and magazines;
- Free WiFi access;
- Hair dryer; dressing gown; care kit with soap, shower gel etc.



➤ High-quality furnishings and exclusive service characterise our comfort wards. We want every patient to feel comfortable right from the beginning of the stay

IN THE HEART OF EUROPE

▣ All our clinics are located near tourist highlights and in beautiful landscapes – in the heart of Europe, in close vicinity to Switzerland, Austria, Italy, and France.

Lake Constance – Switzerland – Austria

Three of our clinics are located at Lake Constance near the Swiss Alps; the metropolitan area of Zurich is just a few kilometres away. The mild climate and the gorgeous nature are ideal to recuperate and recover from a severe neurological disorder.

There are numerous tourist attractions nearby, e.g. the flower island of Mainau, the Zeppelin museum in Friedrichshafen, the World Cultural Heritage of the island of Reichenau, the world's largest open-air stage in Bregenz, Austria, and the natural spectacle of the Rhine falls in Schaffhausen, Switzerland.

Heidelberg and Stuttgart

Our clinic in Heidelberg is located in one of the oldest university cities of Europe. Year by year, the old quarter of Heidelberg with its famous castle attracts many people from all over the world.

In Stuttgart, Schmieder Clinic is located near a nature reserve. The city is renowned as the centre of the German automotive industry and is the home of large companies such as Mercedes-Benz and Porsche. In addition, renowned art museums and the pulsating life of a German metropolis offer many opportunities to spend one's leisure time.



CENTRAL LOCATION OF THE CLINIC SITES

- ▣ **Metropolitan areas:** just a few kilometres away from metropolitan areas such as Zurich, Frankfurt, Baden Baden, Stuttgart, Munich, Strasbourg;
- ▣ **Tourist highlights:** World Cultural Heritages, castles and monasteries, museums, cultural landscapes;
- ▣ **Leisure activities:** golf, sailing, concerts, casinos, sports.



➤ The internationally renowned metropolitan areas of Zurich, Stuttgart, and Heidelberg (from top to bottom) are cosmopolitan and pulsating cities with abundant history, culture, art, and many places of interest – and just a few kilometres away from our clinic sites

LEISURE ACTIVITIES

► The Schmieder Clinic sites are located amidst metropolitan areas that offer a wide variety of leisure activities. Water sports, golf, horse-riding, excursions, museums, casinos, city tours, or first-class restaurants with international menus – the opportunities around our clinic sites are numerous.

Baden-Baden, Zurich, Munich

Visit the world-famous Casino Baden Baden, have your dinner at a Michelin star restaurant, or visit Munich, the Bavarian metropolis – all this is possible from our clinic sites around Lake Constance.

Water sports, horse-riding, and golf courses

Lake Constance, Europe's third largest inland lake, is the perfect place for water sports. Renowned stud farms or equestrian events e.g. at Baden Baden can easily be reached from the clinic sites. Golfers from all over the world meet at excellent golf courses close to the clinic sites.

Our International Office provides you with information and advice as regards your leisure activities, supports you, and organises your preferred activities together with the local tourist information offices.



▣ Leisure time and tourism: horse racing at Baden Baden, sailing in Lake Constance, shopping in Zurich, teeing on the golf course in Stuttgart, a night at Casino Baden Baden, or an opera performance at the world's largest open-air stage in Bregenz, Austria

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