



BioMed Hospital – Our Medical Approach

BioMed
Fachklinik für Onkologie,
Immunologie und Hyperthermie
Bad Bergzabern





The BioMed Hospital

The BioMed Clinic in Bad Bergzabern is a community hospital for statutory health insurance as set out in sections 108/109 of the SGB-V Social Act of Germany.

Integrative and complementary

Knowledge about how tumours arise and how to control their growth has led to the development of complementary, or rather, supplementary biomedical therapy concepts. In addition to operational tumour removal, chemo and radiation therapy, cancer treatment based on this concept includes a supportive and developing therapy for regeneration and boosting the body's immune defences to normalise cell metabolism as well as reduce potential therapy damage. Furthermore, the tumour-destroying effects can be reinforced with immunological and physical (e.g. hyperthermia) methods.

Holistic

The treatment at the BioMed Clinic is not solely aimed at destroying tumours, but rather, takes an integrated approach. This includes providing clarification on what makes a healthy lifestyle and information on cancer risks and environmental factors as well as how to make dietary changes and supplement (life-)essential nutrients to optimise the body's environment. Since mental health greatly influences quality of life and self-healing forces, the well-founded psychological care of our patients is especially important to us. Our psycho-oncological team has many years of experience dealing with the specific needs and problems of cancer patients. Our specially trained nursing staff also contributes a lot to improving your psychological well-being and therefore mobilising your strength to fight against the illness.

In partnership on an individual basis

At the BioMed Hospital, a patient is not just a “case”. We place a high value on transparent treatment that is based on partnership. Only together are we able to reach our best. When you enter our facility, you do not hand over all the responsibility, but rather, work together with our doctors, psychologists and physiotherapists to determine how your state of health can be improved.

Following the motto “listen - talk - decide - together”, we work with you to develop a therapy plan that is not only exactly tailored to your individual state of health but also takes into account how you want to deal with the illness. In this sense, we do not only treat you medically but also assist you with all our specialist knowledge on your completely unique journey.



Integrative methods at the BioMed Hospital

Hyperthermia

Tumour tissue is very sensitive to heat. Cancer cells become damaged at temperatures over 41°C. The cell walls are altered to allow the tumour cells to be better recognised and fought against by the body's immune system. Blood supply to tumour tissue is reduced. In addition, cancer cells under heat react more sensitively to chemotherapy and radiation. Hyperthermia comes in different forms:



Deep Regional Hyperthermia

During this procedure, it is merely the area of the tumour rather than the whole body that is overheated up to 42°C. This reduces the strain on the cardiovascular system. Deep Regional Hyperthermia is primarily used to treat tumours/metastases in the liver, lungs, bones and in the brain.

Whole Body Hyperthermia (WBHT)

“Moderate WBHT” (also called fevertherapy) mobilises the immune defences and increases the effectiveness of chemotherapy. Here, the whole body is heated in a “warming bed” from 39° to 40°C. WBHT helps with immune stimulation and modulation as well as metastasis and relapse prophylaxis in patients with a higher chance of relapse and cancer.



Intracavitary Hyperthermic Perfusion (IHHP)

The IHHP was developed for treating metastases in body cavities such as the abdomen or the bladder. With intraperitoneal hyperthermic perfusion therapy (IHPT), the abdomen, for example, is rinsed with fluid at a temperature of 42° - 48°C and heat-sensitive cytostatics (chemotherapy), which are more effective at higher temperatures, are added. IHPT is primarily used with abdominal metastases in ovarian, stomach and intestinal cancer.

Surface Hyperthermia (SHT)

SHT with infrared rays is ideal for treating tumours that are located in the skin or just below its surface such as infected lymph nodes, skin metastases, melanomas or relapses in the surgical area. The local treatment is carried out in place of whole-body treatments.

Enzymes

Enzymes play a large role in biological cancer therapy in three ways:

1. Tumour cells disguise themselves with a protein covering. Enzymes break up this protein covering to allow the body's immune cells to better recognise and fight the tumour cells.
2. When defending against cancer cells, so-called immune complexes can form, which can damage or even paralyse the immune system. Such immune complexes can be broken down by enzymes. In addition, the activity of "natural killer cells" and scavenger cells (macrophages) is increased.
3. Messenger substances of the tumour, which can inhibit the body's immune defence, are broken down more quickly by enzymes. Inflammations and tissue swelling can often occur as a result of aggressive types of therapy. Enzymes can significantly reduce or even prevent these side effects.



Mistletoe therapy



Mistletoe therapy has established a firm place for itself within complementary oncology. It primarily has a stabilising effect on the healthy tissue and boosts the immune system. Furthermore, mistletoe compounds increase the ability of lymphocytes to attack tumour cells and render them harmless. This improves quality of life and slows the cancer's progression.

Phytochemicals

Plant substances that inhibit cells, including incense, curcuma, greentea, artemisia (mugwort), indole-3-carbinol, among others, may be given as a supplement in terms of a phytotherapeutic therapy.

Orthomolecular medicine

Cancer patients have an especially high nutrient requirement. This improves the compatibility of chemo or radiation therapy and increases their effectiveness. Vital substances can inhibit the formation of metastases, prevent the emergence of malignant tumours and increase well-being and quality of living. The most important vital substances for cancer patients are vitamins, minerals, trace elements and fatty acids.

Oxygen therapy

Tissues which are low in oxygen and have poor circulation provide especially good growth conditions for cancer cells, which spread more easily and become more resistant to chemotherapy. This means that the more oxygen available in the tissue, the worse it can become for the cancer, meaning it can be treated all the more effectively. This is why oxygen therapy is used to strengthen the immune system, prevent relapsing and reduce the side effects of aggressive therapies in the biological accompanying treatment. Oxygen can be administered through respiration and also intravenously through insufflation.

Chemotherapy

At the BioMed Hospital, the classic tumour-destroying methods of chemotherapy are also used. This form of therapy with its partly significant side-effects is prescribed in the case of a reduced dosage, if chrono-modulated (partly at night) and if necessary in hypoglycaemia (insulin potentiated). However, we always combine chemotherapy with developing methods to increase the endogenous defence and to break down the harmful radicals in healthy tissue. In this way, we achieve an improved quality of life by reducing the side effects as well as a lowered susceptibility to infection and a better response rate to chemotherapy. One special type is metronomic therapy with low doses of chemotherapy, which is aimed at antiangiogenesis (inhibition of blood supply).

Physiotherapy



Physiotherapy is an integral part of the whole-body concept. Lymphatic drainage, manual therapy, pain and magnetic therapy help to improve or reproduce the functionality of the muscular and skeletal apparatus. Physiotherapy essentially contributes to developing a new awareness of the body, to reaccept their sick and often damaged body and therefore gain a new confidence in their own abilities.

Andullation

Andullation promotes muscle relaxation and the heat of muscle tone and eliminates muscle tenseness (myogelosis).



Palliative medicine

The goal of palliative medicine is to improve and maintain the quality of life of patients with serious illness. Quality of life plays an important role in oncology itself.



The offer of palliative medical treatment is aimed at people suffering from an advanced stage of cancer with lasting physical and/or mental symptoms that are often associated with a limited life expectancy. As part of this special treatment, we can concentrate on improving the quality of life of our patients and often also that their loved ones by involving naturopathic therapies and supporting them with care.

Our work together in a multi-professional team allows you individual, integrated accompaniment that comprises care, medical treatment and mental, spiritual and social support.

Psychological and Pastoral Care

The integrative concept of the BioMed Hospital recognises human beings as a unit of psyche, mind and body. Aside from the medical therapy, this integrated approach includes intense psycho-oncological and pastoral support. Our psycho-oncological team as well as Catholic and Protestant pastoral works are available to help with this. Individual sessions

Individual sessions

Cancer is a disease that is often associated with high psychosocial strain. In individual therapy sessions, we support you in overcoming all psychological problems that arise from your medical treatment or from private/ social situations. We work with the following methods: psychodrama, behaviour therapy, hypnosis, imagination, musical, rhythmic, breathing and relaxation therapy, bodywork.



Group offers

Autogenic Training

The objective of AT is to achieve a deepened state of rest through concentration. During this, short, formulaic sentences are spoken that make the body feel peaceful, heavy and warm.

Relaxation by Jacobson

The progressive muscle relaxation exercise by Jacobson is based on the alternating contraction and relaxation of muscle groups such as the arms, back, stomach etc.

Visualisation

Visualisation is about imagining something in your mind's eye. Visualisation exercises deepen relaxation and can promote psychological processes.

Qigong

The breathing and movement exercises in Qigong help with relaxation and the release of energy blocks. This allows vital energy to flow freely and relieves pain.

Intuitive Painting

Intuitive painting is about creating access to inner images, for example, of peace, strength, wisdom or healing. Through the brief relaxation of the body and a subsequent imaginary journey, these pictures, colours and shapes can be discovered and expressed.

Working with Clay

Free play and shaping with clay brings the joy of doing something creative and eases access to one's own creative sources.



Meditation

Meditation is an exercise that helps to form friendship with oneself, dwell in peace, gain distance from oneself and one's problems and in doing so discover new perspectives.

Pastoral care

Our Catholic and Protestant pastors offer you the opportunity of accompaniment in one-to-one sessions and gladly invite you to our prayer and communion services.



How to get in contact

Before you decide to come to BioMed, we offer you to discuss your case with our medical staff and get back to you with our suggestion for a therapy and treatment at BioMed Hospital.

Our experienced team of medical specialists, psychologists and physiotherapists will be creating your treatment on your individual medical needs and wishes.

To get a good impression of your personal case, we would need to receive your medical history and the last medical report (preferably as PDF) either by email request@biomedhospital.com or by fax +49 6343 705-913.
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or +49 6343 705-970



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