

Product Information

The WELLSYSTEM Hydro-Jet Medical in the medical practice

Patients with backache amount to the majority of the daily medical practice clientele. After thorough diagnostical analysis, about 90 percent of the backache cases turn out to be the aftereffect of mechanical malposition, only 5 percent are made out by herniated disc, another 5 percent by neurogenic, traumatic, osteoporotic, inflammatory and similar medical conditions.

Risk factors of functional backache are the progression of the daily strain and relief of the vertebrae as well as the individual emotional and behavioral reaction to the pain.

Pathophysiology

Neurophysiologically we differentiate between neuralgic pain as a result of direct mechanical compression of neural structures and receptor pain as a result of irritation of nociceptors located close to the spine.

The chronical misinnervation in the sense of receptor pain leads to the formation of muscle disorders that show among others as tendovaginitis or tendinous, bursal and periosteal disorders right up to malposition, motor dysfunction and osseous alterations (arthrosis).

Furthermore, individually developed vegetative disorders result in local disruption of perfusion and microcirculation.

Since approximately 50 percent of the nociceptors are concentrated in the soft tissues around the spine, reversible functional disorders of the spine are the most common cause of vertebral receptor pain.

Therapy

With neuralgic pain, **therapeutically** the orthopaedist can resort to local as well as systemic medicinal therapy, followed by manual and machine-aided therapy and surgery in special cases. After a differentiated diagnostic investigation, the early combined orthopaedic pain-therapy is important to avoid that the pain becomes chronic.

Manual medicine, physical therapy, passive and active physiotherapy as well as facultatively local and systemic medicinal therapy are most important to treat receptor pain in the back.

The **physical therapy** for spinal disorders has among others following aims:

- + pain relief
- + muscle relaxation
- + hyperemization
- + loosening of the connective tissue
- + functional improvement
- + elimination of malposition or relieving posture
- + psychovegetative transposition

The **underwater pressure massage** „WELLSYSTEM Hydro-Jet Medical“ combines a range of positive effects of different physical therapies:

- + augmentation respectively abatement of tonicity
- + local increase of perfusion and metabolism
- + loosening of subcutaneous cellular tissue

- + venous and lymphatic drainage
- + reflexive relief of pain
- + loosening of scar tissue
- + activation respectively moderation of the autonomic nervous system with positive effect on the inner organs
- + increased efficiency of subsequent therapies (extensions, manual therapy, physiotherapy)
- + improved significance of subsequent functional diagnoses (manual diagnosis, optrimetrics and others)
- + can be combined with Lumbex Cubes for simultaneous extension

Advantages of the WELLSYSTEM Hydro-Jet Medical compared to other physical therapies:

- + no stress on the circular flow
- + no sweating
- + dependably to dose individually
- + little expenditure of time per patient (10 - 20 minutes therapy, no drying, no rest period)
- + little need of staff (only a short introduction necessary)
- + little maintenance and service expenses
- + high acceptance by patients
- + optimal profitability

Indications for a therapy with the WELLSYSTEM Hydro-Jet Medical, among others.:

- + reversible functional disorder of the spine
- + subacute lumbago
- + fibromyalgia
- + psychovegetative dystonia
- + initial osteoporosis
- + chronic polyarthritis
- + muscular fatigue
- + spinal dysfunction in case of patients with (medicinal) blood coagulation disorder

Contraindications for a therapy with the WELLSYSTEM Hydro-Jet Medical, among others:

- + acute lumboischialgy, lumbalgy
- + acute traumata
- + acute inflammations
- + acute attack of polyarthritis
- + decompensated cardiac insufficiency
- + malignant disorders
- + osteoporosis with recent sintering fracture

The underwater pressure massage with the WELLSYSTEM Hydro-Jet Medical stands for

- + valuable complement of the conservative therapy for backache**
- + improvement of patient loyalty through great satisfaction**
- + calculable profitability**

Patient acceptance:

After the elicitation of the anamnesis, the completion of the medical examination as well as, if necessary, the x-ray diagnosis of the spine, usually the patient gets an outline of the test results as well as an therapeutical concept with defined realistic targets.

Within this conversation the underwater pressure massage with the WELLSYSTEM Hydro-Jet Medical and its outstanding efficiency is being introduced. If necessary, the machine-aided extensiontreatments respectively chirotherapeutical manipulative treatment as well as further therapies respectively training methods are being announced.

In this context the acceptance of the patient to pay a marginal equity contribution is extraordinary high. After the first therapy, this new perceptibly pleasant therapy is often continued over a longer period of time by request of the patients.

Justifiably, the informed patient expects of his doctor a coherent and comprehensible description of an effective and promising therapy concept. The underwater pressure massage with the WELLSYSTEM Hydro-Jet Medical fulfills important therapeutical functions within this concept.

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