Your Opportunity to Return to Activity Faster!

# Natural Help for Injuries

ACP or ACP Tendo Therapy



# Musculoskeletal Injuries



Our musculoskeletal system consists of a complex composition of different structures that allow us to move purposefully. In addition to the skeletal musculature, tendons play an important role as the connecting element between muscles and the bony skeleton. As force transmitters, they make purposeful movements possible. Ligaments, in turn, serve to strengthen and secure our joints.

All of these structures are subjected to enormous mechanical stresses on a daily basis, which often result in injuries. The main causes are permanent unequal load distribution, overloading and external violent impact, such as wrong movements and accidents.

# Where and How Do Injuries Occur?

#### Muscles:

Jerky movements, excessive stress and sudden muscle tension often lead to muscle injuries and tears.

# Ligaments:

Falls, impact and compression often cause injuries to ligaments and the joint capsule as well as ligament straining and stretching.

## Often Affected:

■ Ankle, knee<sup>1</sup> and wrist

#### Tendons:

Since tendons consist mainly of collagen fibers, they can tear during jerky, fast movements. Prolonged unilateral or excessive stress can also cause micro-injuries with persistent pain and functional impairment.

### Often Affected:

- Tennis and golfer elbow<sup>2,3</sup>
- Achilles tendon and calcaneal spur<sup>4, 5</sup>
- Shoulder and biceps tendon<sup>6</sup>
- Jumper's knee<sup>7</sup>

# **How Does One Recognize These Injuries?**

- Swelling and pain in the affected area
- Loss of function
- Limited mobility of the joint
- Feeling of instability in the affected joint

# Natural Therapy for Injuries

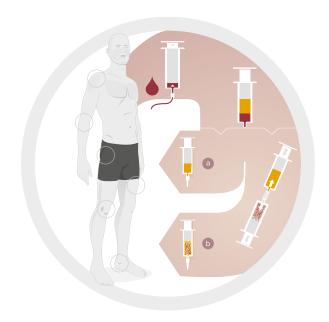
Complex and well-regulated natural processes take place in the body during recovery. Special proteins – the so-called "growth factors" – are always present in the blood platelets and are involved in this recovery. Platelets are inactive in the bloodstream but become activated when injuries occur. They collect at the injured site and release these proteins, which in turn promote the healing process.<sup>8</sup>

# **ACP Therapy**

ACP therapy is based on this principle. In ACP therapy, high concentrations of these special proteins are obtained and then injected into the body, utilizing the body's own self-healing processes. The form and frequency of administration of these proteins may vary depending on the type of injury. A personalized treatment plan will be designed that may include several injections in weekly intervals.

# **ACP Tendo Therapy**

For structural injuries such as tendon tears, these special proteins can be mixed with an innovative collagen carrier material and injected into or at the injured site (ACP Tendo). The collagen is degraded within 4 weeks but in the meantime serves as a scaffold, so the cells that close the injury can grow in better. In addition, the collagen serves as a protein deposit. In this way, the healing process can be optimally supported. ACP Tendo therapy usually only involves one injection.



# **The Treatment Process**

- 1 Blood is drawn from a vein in the arm
- Separation process obtains the body's active substances (proteins) in concentrated form
- Administration
- a ACP:

These substances are injected into the affected area

ACP Tendo: Mixing of ACP and collagen; subsequent injection into the affected region

# **Benefits of the Treatment**

- Outpatient procedure
- Fast process (< 30 min.)
- Endogenous biological agents with good tolerability
- Personalized treatment interval
- Customized to your needs

# **Studies**

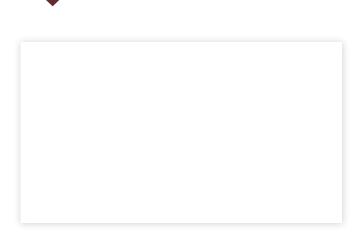
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For information on the studies please contact your physician.

# Do You Have Any Questions?

Your Physician Will Be Happy to Provide Further Information.



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