# **Types of (Sports) Complaints**





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#### **Sports-Related Conditions**

Injuries arising from physical activity or sports, ranging from acute injuries to chronic overuse complaints.



## **OVERUSE COMPLAINTS**



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> Gradually increasing pain

- Stiffness
- More muscle
- tension

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#### Tendon Complaints





## **Shin Splints**

### About this complaint:

- Overload along the inner side of the shinbone due to repeated stress without adequate recovery.
- Dull, nagging pain that worsens during activity

#### Causes:

- Overload
- Incorrect running technique
- Unsuitable footware
- Training surface

#### If it gets better...



• Rest from aggravating activity • Stretching and strengthening calf muscles • Alternative training

 Gradual reintroduction of load • Prevent recurrence with regular evaluations





#### About this complaint:

A small bone crack caused by insufficient adaption to repeated mechanical stress

Causes:

- Overloading
- Increased training intensity
- Inadequate nutrition
- Biomechanical abnormalitites
- Poor footwear

If it gets better...



### How to act:

• Absolute rest from triggering activity • Low-impact alternative training

• Gradual return with progressive load • Training adjustments, gait analysis, and appropriate footwear

## **Tendon Complaints**

#### About this complaint:

Also known as Tendinopathy. Tendon issues in areas like the Achilles, knee, or shoulder tendons.

Causes:

- Overloading
- Improper technique
- Insufficient warm-up
- Age
- Biomechanical abnormalities

- Excentric exercises
- Stretching

If it gets better...

- Gradual load progression



- Recovery and prevention
- Emphasize warm-up and cool-down



## **TRAUMATIC INJURIES**



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#### Sudden sharp pain

- Swelling
- Heat
- Redness





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#### Bruising (Contusion)



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Fractures



Ligament Injuries



#### Joint Dislocation



## **Sprain/Strain**

#### About this complaint:

Common in activities with sudden direction changes, jumping, or abrupt movements.

**Sprain**: When ligaments are stretched or torn. Usually due to a sudden twist, fall, or impact that forces the joint into an unnatural position. Strain: Injury to muscles or tendons, in which tissues are stretched or partially torn. Can occur from overuse, or gradually from chronic stress.

If it gets better...

- exercises





#### How to act:

• PEACE & LOVE protocol • Maintain mobility Move what can still move

• Gradual return to activity

• Strengthening, balance, and sports-specific





## **Brousing (Contusion)**

#### About this complaint:

Damage to blood vessels in skin, muscles, or other tissues due to blunt trauma. Bruises can cause pain, swelling, and stiffness, and in severe cases, the underlying tissues can also be damaged.

Causes:

- Direct impact
- Contact with an object
- Overexertion

To minimize pain and swelling, the PEACE & LOVE protocol. Pain relief if necessary. Rest and recovery: varying from a few days to weeks...

If it gets better...

• Return to sports when the bruise is completely healed!





#### How to act:

• Light movement to prevent stiffness

• Restore mobility and strength







## **Fractures**

### About this complaint:

Also called fractures, is a break in the continuity of a bone. The bone can break partially or completely. A fracture can vary from a simple crack to a complex multiple fracture.

#### Causes:

- Direct trauma
- Indirect forces
- Overload

#### Immediate care:

loading

#### How to act:

Immobilization

Seek medical attention

• Open fracture: cover the wound with a sterile or clean bandage, but do not push the bone back. • Pain management

• Watch the athlete: shock stabbing, pallor, sweating, rapid breathing

After medical treatment:

• Gradual recovery program and progressive



## **Ligament Injuries**

### About this complaint:

Common injury in which one or more ligaments are stretched, torn, or completely torn. Often occurs in the ankle, knee, or wrist.

Varying in severity: grade 1 to 3

Causes:

- Sudden movements
- Overuse
- Direct trauma
- Unstable surfaces

2-3.

Start later with:



### How to act:

PEACE & LOVE protocol, immobilization for grade

Start mobilizing exercises quickly.

• Strengthening exercises

• Proprioception training

• Later gradual return to sports





## **Joint Dislocation**

### About this complaint:

Occurs when the bones that normally meet in a joint are completely displaced from their normal position. This results in a dislocated joint, which causes immediate intense pain as well as noticeable deformity of the joint. Commonly occurs in the shoulder.

Causes:

- Direct trauma
- Sudden twist
- Fall on an outstretched arm or leg
- Overuse or underlying instability

- immediately
- Call medical help
- DO NOT reposition yourself
- Pain relief

A doctor will put the joint back, after which the joint is often immobilized with a sling, brace or cast. After the immobilization phase, physiotherapy is crucial.

- Do not move the dislocated joint, immobilize
  - with a splint or aid if necessary
- Have the athlete stop the sports activity



## **MUSCLE STRAINS AND TEARS**



- Sudden sharp pain
- Inability to relax muscle







#### Muscle Cramps

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#### Muscle Strain

#### Muscle Tear









## **Muscle Cramps**

### About this complaint:

A muscle cramp is a sudden and involuntary contraction of a muscle or muscle group, which can last from a few seconds to a few minutes.

Causes:

- Dehydration
- Electrolyte imbalance
- Overexertion or muscle fatigue
- Poor circulation
- Insufficient warm-up
- Incorrect posture or technique

- Stretch the muscle
- Massage
- Hydration

Then....

#### How to act:

- Stop the activity
- Rest until the muscle is completely relaxed

• Gradual resumption









## **Muscle Strain**

#### About this complaint:

This is an injury where the muscle fibers are stretched or torn. The severity of the injury is classified from grade 1 to 3.

Causes:

- Sudden movement
- Insufficient warm-up
- Overload
- Fatigue
- Incorrect technique or posture

- Pain relief
- Stretching and mobility exercises
- Strengthening exercises

If it gets better...

• Gradual return to sports

- PEACE & LOVE protocol





### **Muscle Tear**

#### About this complaint:

A muscle tear is when the muscle fibers are torn, which leads to pain, swelling, and loss of muscle strength and function. The severity is classified into three grades: 1 to 3.

#### Causes:

- Sudden, explosive movements
- Insufficient warm-up
- Overload or chronic tension
- Fatigue
- Incorrect technique



- Medical examination to determine severity
- Rest and gradual recovery
- Strengthening exercises
  - Later gradual return to sports

## How to act:

- PEACE & LOVE protocol
- Pain management

• Stretching exercises



## **SPORTS-RELATED CONDITIONS**



#### Persistent pain

- During activity
- After activity
- During daily activities

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#### Golfer's Elbow

#### Patellofemoral Pain Syndrome





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## **Tennis Elbow**

#### About this complaint:

It is a degeneration of the tendons that connect the extensor muscles of the forearm to the lateral epicondyle. The tendons become irritated from overuse, leading to pain and reduced functionality.

Causes:

- Overuse
- Repetitive movements
- Incorrect technique
- Weakened forearm muscles

- Stretching • Eccentric exercises

- When things get better... • Gradual return to sports
  - Correction of technique













## **Golfer's Elbow**

#### About this complaint:

Similar complaint, but on the other side of the elbow: medial epicondyle.

Causes:

- Overload
- Repetitive movements
- Incorrect technique
- Weakened forearm muscles

Similar complaints are for example Achilles tendonosis or Jumer's knee.

• Stretching

- When things get better... • Gradual return to sports
  - Correction of technique





#### How to act:

• Eccentric exercises





## **Patellofemoral Pain** Syndrome

### About this complaint:

This symptom occurs when the kneecap does not slide properly through the groove at the bottom of the thighbone during movements such as walking, running or climbing stairs. This leads to irritation of the cartilage and surrounding tissues, which causes pain.

Causes:

- Overload
- Different alignment of the kneecap
- Unbalanced muscle strength
- Uneven load

- Strengthening of the surrounding muscles • Stretching of the muscles • Correct technique and posture • Progressive training structure • Recognizing symptoms















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