

Sport injuries of lower lim b

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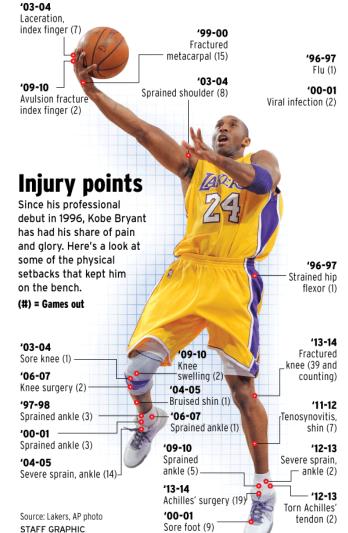
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Sport rehabilitation

What is different in case of rehabilitation of athletes?

- aims
- characteristics of sport
- periodic factors of sport
- rules of sport
- roles of coaches and parents
- motivation, attitude





Sport rehabilitation – what kind of and how many...?



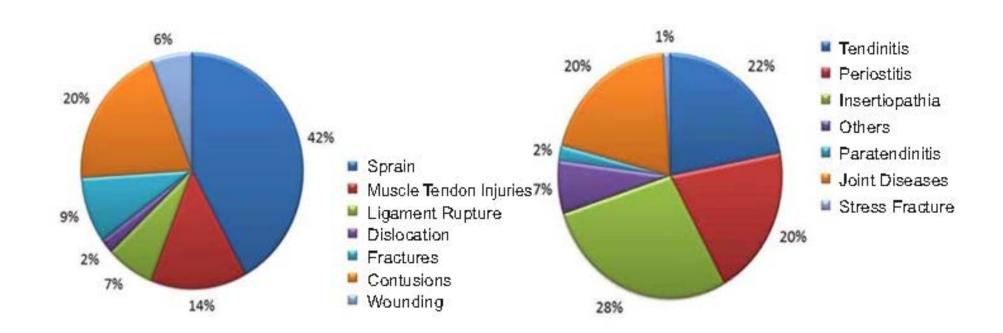
Beckham's Injuries David Beckham's latest injury will keep him out of the 0 World Cup. **Back injury** Feb. 8, 2006 Broke a rib Nov. 17, 2002 Lower back injury Nov. 9, 2003 **Right hamstring** injury Sprained left ankle Oct. 22, 2003 39 June 6, 2007 **Right knee injury Tore left Achilles'** March 4 and tendon Aug. 29, 2007 March 14, 2010 **Right calf** Broke left foot muscle injury April 10, 2002 March 28, 2004 Injured left foot Calf injury April 10, 2002 Sept. 3, 2003 SOURCE: AP Reporting AP

Sport rehabilitation

Types of injuries

Acute injuries

Overload injuries



Rehabilitation protocol of soft tissue injuries



P Ξ С Ε 2 LOAD KG

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PROTECTION

Avoid activities and movements that increase pain during the first few days after injury.

ELEVATION Elevate the injured limb higher than the heart as often as possible.

AVOID ANTI-INFLAMMATORIES Avoid taking anti-inflammatory medications as they reduce tissue healing. Avoid icing.

COMPRESSION Use elastic bandage or taping to reduce swelling.

EDUCATION Your body knows best. Avoid unnecessary passive treatments and medical investigations and let nature play its rol

Let pain guide your gradual return to normal activities. Your body will tell you when it's safe to increase load

OPTIMISM

Condition your brain for optimal recovery by being confident and positive.

VASCULARISATION

Choose pain-free cardiovascular activities to increase blood flow to repairing tissues.

EXERCISE

Restore mobility, strength and proprioception by adopting an active approach to recovery.

Sportrehabilitáció – alsó végtag

Lower lim b injuries in childhood

- Schlatter Osgood
- Sever desease

When could they return to sport?

In addition to rehabilitation guidelines for each sport injury there are functional preconditions

- 1. No pressure sensitivity in affected area
- 2. Full function (ROM, muscle strength)
- 3. Pain relief during both eccentric and concetric muscle activity



Sport rahabilitation-periodisation



	Rehabilitation
Monday	Qualitative training (max.power, intensive development)
Tuesday	Quantitative training (functional development, extensive)
Wednesday	Recovery day
Thursday	Qualitative training
Friday	Quantitative training
Saturday	Recovery day
Sunday	FREE

Guidelines of ACLinjury

- Most common injury
- Conservative or surgical treatment ???
- Maximal (0-6 week) moderate (6-12 week) minimal (from 12. week to 9. month) protecting phases
- + Follow-up session (+ 1year) ----- secondary prevention
- Return to sport before 9 month $\longrightarrow >40\%$ chance of re-injury
- Return to sport after 9 month \longrightarrow <20 %chance of re-injury





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Thanks for attention!

