

Unit 5 Sports Injuries

Task 1 General vocabulary - Quiz

1. The floor is wet, you might _____
a) trip b) slip c) fall
2. She has a _____ arm.
a) broke b) snapped c) broken
3. Your room is very messy, you might _____ over all those cables.
a) kick b) fallen c) trip
4. I hit my arm hard against the table and now I've got a big _____.
a) bruise b) break c) cut
5. He _____ the stairs, but he's OK. Don't worry.
a) fell off b) fell out c) fell down
6. While cycling he rode over a rock and _____ his bike.
a) fell off b) fell down c) fell out off
7. He wasn't careful and _____ his hand on the stove.
a) cut b) bruised c) burned

Task 2 Sports injuries - Vocabulary

a) Check the pronunciation of these words:

inflammation - concussion – contusion – fracture – meniscus – cartilage – recovery – severe - chronic

b) Study the list of injuries below. Do you know their Czech equivalents? Which of the injuries have you suffered? Which are most serious? Can you estimate the time needed for recovery after some of the injuries?

Achilles Tendinitis

The Achilles tendon attaches the muscles of the lower leg (gastrocnemius and soleus) to the heel. Achilles tendinitis is inflammation of this tendon generally caused by overuse or a direct blow.

Cruciate Ligament Injury

The anterior cruciate ligament (ACL) and the posterior cruciate ligament (PCL) attach the thighbone (femur) to the shinbones (fibula and tibia) acting to stabilize the knee joint. The ACL and PCL can be injured primarily by rotational forces on the knee. ACL and PCL sprains are categorized as first, second, and third-degree.

Concussion

A concussion is caused by a direct blow to the head. Depending upon the severity of the concussion, injury can cause varying levels of **impairment** of brain function. Concussions are categorized as mild (grade 1), moderate (grade 2), or severe (grade 3) depending upon symptoms.

Contusion

A contusion is basically a deep bruise that is caused by direct **impact**. In football we generally hear about quadriceps (thigh) contusions.

Dislocation

A dislocation occurs when the ball of a joint is forced out of its socket (i.e. arm forced out of the shoulder joint). A dislocation must be **reset** by proper medical professionals.

Fracture

A fracture is a break, crack, or shattering of a bone. In closed fractures, the broken bone does not pierce the skin, while in open fractures, the broken bone breaks the skin's surface.

Meniscus Injuries

The medial and lateral menisci are the cartilage shock absorbers located inside the knee joint. These can be damaged by excessive twisting, turning, or compression at the knee joint, which produces tears. Due to the poor blood supply, meniscal injuries generally require surgery for repair.

Sprain

This is an injury that involves the stretching, partial tearing, or complete rupture of a ligament. Sprains are categorized as first, second, or third degree. Sprains occur when a joint is forced beyond its normal range of motion, such as turning or rolling your ankle.

Stinger

A stinger, also called a burner or nerve pinch injury, is a very common injury in football. This injury involves a stretch or compression of the brachial plexus (a complex system of nerves that involve the back, neck, shoulders, and arms). Stingers generally cause shooting pain down the arm(s).

Strain

Strains are injuries that involve the stretching, partial tearing, or complete tearing of a tendon. Strains are categorized as first, second, or third degree. Chronic strains are injuries that gradually build up from overuse or repetitive stress.

(http://www.fftoolbox.com/football/football_injury_glossary.cfm)

c) Complete the gaps with the expressions highlighted above, change the form if necessary:

The operation was only a success.

Renal needs to be treated urgently.

If your bone is broken, you need to see a professional to have it

..... exercise can lead to muscle strain.

The needle his skin.

Football is a low- sport – there is little stress on joints.

Task 3 Injuries - Causes and symptoms

Which of the below are the causes and which are the symptoms of sports injuries? Can you think of some other causes and symptoms?

- athletic equipment that malfunctions or is used incorrectly
- weakness and pain
- falls
- limited range of motion
- swelling
- forceful high-speed collisions between players
- instability or obvious dislocation of a joint
- inability to move a limb
- wear and tear on areas of the body that are continually subjected to stress
- muscle spasm

Task 4 Listening

(<http://www.youtube.com/watch?v=JwJHit6j5QU&feature=related>)

How to prevent youth sports injuries

Discuss the questions below with your partner before you listen – how would you answer?

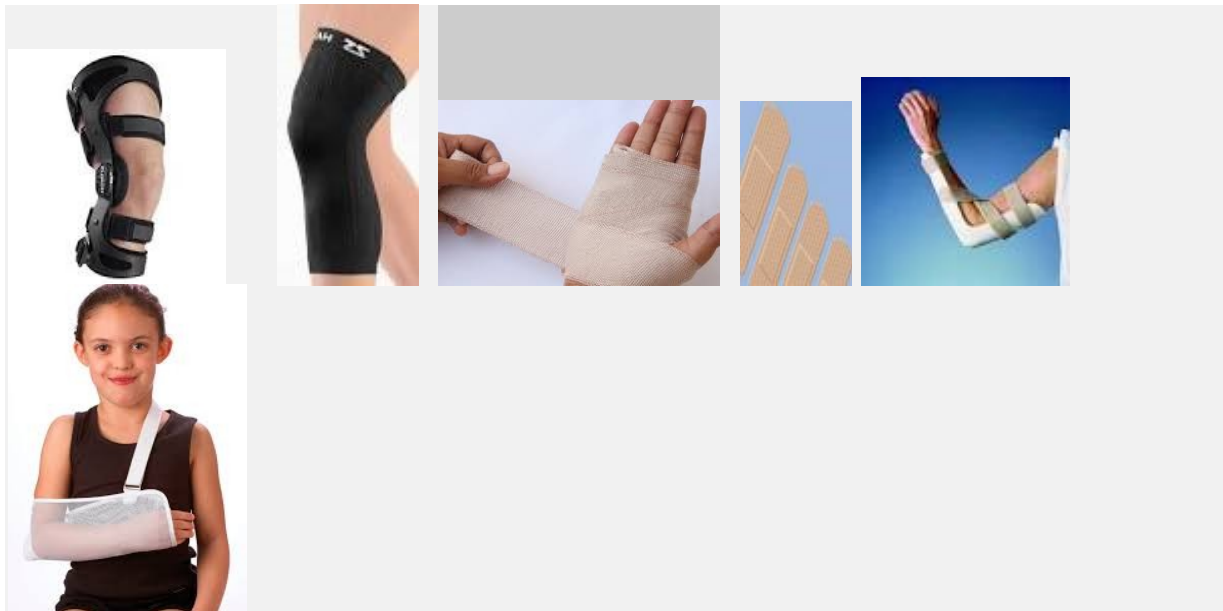
Then listen to an interview with a sports program director talking about prevention of injuries and note down his answers.

1. What causes the increase in youth injuries?
2. How many kids are hurt annually?
3. What are the 6 tips given to parents to prevent an injury of a child?
4. What is the most dangerous sport for girls and why?

Task 5 Treatment of injuries

a) Match the words below with pictures:

elastic bandage wrap – sling – knee sleeve – arm splint - sticking plaster - knee brace



b) Complete the text with the expressions below:

malunion – splint - fixation – heal

When the fragments of a broken bone (1) _____ and join together, they unite. Union may be promoted, or helped, by reducing the fracture – replacing the fragments in their anatomical position if they are displaced. After reduction, excessive movement of the broken bone is prevented by (4) _____ - either external, e.g. a (5) _____ or plaster of Paris cast, or internal, e.g. a plate and screws. A displaced fracture which is not reduced may result in (6) _____ - incomplete or incorrect union.

(Adapted from: http://medtalk.up.seesaa.net/image/Bones_.pdf)

Task 6 Taking medical history - useful phrases

These are the categories of questions a PT may ask at an initial session with a patient. Add some more.

- 1. Family:**
 - How old are you?
 -
- 2. Job**
 - What do you do for living?
 -
- 3. Home/living situation**
 - Where do you live?
 -
- 4. Life style/ Recreational activities**
 - Do you take any exercise?
 -
- 5. Allergies, medications**
 - Has your doctor prescribed you any tablets for your condition?
 -
- 6. Illnesses, operations, injuries**
 - Have you ever been admitted to a hospital?
 -
- 7. Aids, assistive devices**
 - Do you wear a brace or back support?
 -
- 8. Pain and musculoskeletal symptoms**
 - Are you in pain?
 -
- 9. Intensity**
 - Is it mild, severe, or very severe?
 -
- 10. Location**
 - Does it spread down your legs?
 -
- 11. Quality**
 - Is it sharp, dull, constant or intermittent?
 -
- 12. Onset, duration**
 - Does it come and go?
- 13. Alleviating and aggravating factors**
 - Does anything special bring it on?
 -
- 14. Effects of pain/ symptoms on daily functions**
 - Does it stop you from bending or reaching for something?
 -
- 15. Neurological signs/ symptoms**
 - Do you have any tingling sensation in your hands or feet?
 -
- 16. Breathing**
 - Do you gasp for air?
 -
- 17. Concluding remarks:**
 - What do you think is the matter with you?
 -

(Adapted from: GOGELOVÁ, Helena. *Angličtina pro fyzioterapeuty*. 1. vyd. Praha: Grada, 2011. 314 s ;. ISBN 9788024735313.)

Task 7 Questions

Ask about the underlined phrases:

a) Jane broke her leg twice.
..... ?

b) Jane underwent a major surgery last year.
..... ?

c) Jane underwent a major surgery last year.
..... ?

d) Jane needs crutches to walk.
..... ?

e) Jane had to cope with a serious injury.
..... ?

f) Jane was referred to a specialist.
..... ?