



KNOW YOUR CONCUSSION ABCs

Assess the situation Be alert for signs and symptoms Contact a health care professional

A Fact Sheet for Athletes

What is a concussion?

A concussion is a type of brain injury that changes the way the brain normally works. A concussion is caused by a bump, blow, or jolt to the head. Concussions can also occur from a blow to the body that causes the head and brain to move rapidly back and forth. Even what seems to be a mild bump to the head can be serious. Concussions can occur during practices or games in any sport or recreational activity.

What are the signs and symptoms of a concussion?

Unlike a broken arm, you can't see a concussion. Most concussions occur without loss of consciousness. Signs and symptoms of concussion can show up right after an injury or may not appear or be noticed until hours or days after the injury. It is important to watch for changes in how you are feeling, if symptoms are getting worse, or if you just "don't feel right." If you think you or a teammate may have a concussion, it is important to tell someone.

COMMON SYMPTOMS OF A CONCUSSION:

Tell someone if you see a teammate with many of these symptoms:

- Appears dazed or stunned
- Forgets sports plays
- Is confused about assignment or position
- Moves clumsily
- Answers questions slowly
- Repeats questions
- Can't recall events prior to the hit, bump, or fall
- Can't recall events after the hit, bump, or fall
- Loses consciousness (even briefly)
- Shows behavior or personality changes

Tell someone if you feel any of the following:

Thinking/Remembering:

- Difficulty thinking clearly
- Difficulty concentrating or remembering
- Feeling more slowed down
- Feeling sluggish, hazy, foggy, or groggy

Physical:

- Headache or "pressure" in head
- Nausea or vomiting
- Balance problems or dizziness
- Fatigue or feeling tired
- Blurry or double vision
- Sensitivity to light or noise
- Numbness or tingling
- Does not "feel right"

Emotional:

- Irritable
- Sad
- More emotional than usual
- Nervous

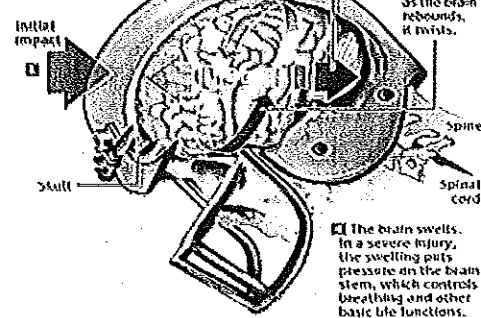
Changes in your normal sleep patterns.



- *Wear the proper equipment for each sport and make sure it fits well.
- *Follow the rules of the sport and the coach's rule for safety.
- *Use proper technique.

Anatomy of a concussion

Here is what happens to the brain to cause a concussion:



☒ The force from the impact causes the brain to strike the inner surface of the skull and rebound against the opposite side.

☒ In severe concussions as the brain rebounds, it twists.

☒ The brain swells. In a severe injury, the swelling puts pressure on the brain stem, which controls breathing and other basic life functions.

Source: Dr. Jay Alexander of Kaiser Permanente Medical Care Neurology, American Academy of Neurology, The Human Body

MARK HOWLIN / THE SEATTLE TIMES

If you have a suspected concussion, you should NEVER return to sports or recreational activities on the same day the injury occurred. You should not return to activities until you are symptom-free and a health care provider experienced in managing concussion provides written clearance allowing return to activity. This means, until permitted, not returning to:

- Physical Education (PE) class,
- Sports conditioning, weight lifting, practices and games, or
- Physical activity at recess.

What should you do if you think you have a concussion?

1. Tell your coaches and parents right away. Never ignore a bump or blow to the head even if you feel fine. If you experience symptoms of a concussion, you should immediately remove yourself from practice/play. Tell your coach right away if you think you or one of your teammates might have a concussion.
2. Get evaluated by a health care provider. A health care provider experienced in evaluating for concussion can determine if you have a concussion, help guide management and safe return to normal activities, including school (concentration and learning) and physical activity. If you have been removed from a youth athletic activity because of a suspected or confirmed concussion, you may not participate again until evaluated by a health care provider and receive written clearance to return to activity. You must provide this written clearance to your coach.
3. Give yourself time to get better. If you have had a concussion, your brain needs time to heal. While your brain is still healing, you are much more likely to have a repeat concussion. It is important to rest until you receive written clearance from a health care provider to return to practice and play.

Why should you tell someone about your symptoms?

1. Your chances of sustaining a life altering injury are greatly increased if you aren't fully recovered from a concussion.
2. Practicing/playing with concussion symptoms can prolong your recovery.
3. Practicing/playing with a concussion can increase your chances of getting another concussion.
4. Telling someone could save your life or the life of a teammate!

Tell your teachers

Tell your teachers if you have suffered a concussion or head injury. Concussions often impair school performance. In order to properly rest, many students often need to miss a few days of school immediately following a concussion. When you return to school after a concussion you may need to:

- Take rest breaks as needed,
- Spend fewer hours at school,
- Have more time allowed to take tests or complete assignments,
- Suspend your physical activity (PE class and/or recess)
- Suspend your extracurricular activities (band, choir, dance, etc)
- Reduce time spent reading, writing, or on the computer.

To learn more about concussion, go to:

www.cdc.gov/Concussion; www.wiaawi.org; www.nflhs.org





DANGER SIGNS

Be alert for symptoms that worsen over time. Your child or teen should be seen in an emergency department right away if s/he has:

- One pupil (the black part in the middle of the eye) larger than the other
- Difficult to arouse
- Severe headache or worsening headache
- Weakness, numbness, or decreased coordination
- Repeated vomiting or nausea
- Slurred speech
- Convulsions or seizures
- Difficulty recognizing people or places
- Increasing confusion, restlessness, or agitation
- Unusual behavior
- Loss of consciousness (even a brief loss of consciousness should be taken seriously)



Children and teens with a concussion should NEVER return to sports or recreation activities on the same day the injury occurred. They should delay returning to their activities until a health care provider experienced in evaluating for concussion says they are symptom-free and provide written clearance to return to activity. This means, until permitted, not returning to:

- Physical Education (PE) class,
- Sports practices or games, or
- Physical activity at recess.

What should I do if my child or teen has a concussion?

1. Seek medical attention. A health care provider experienced in evaluating for concussions can direct concussion management and review when it is safe for your child to return to normal activities, including school (concentration and learning activities) and physical activity. If your child or teen has been removed from a youth athletic activity because of a suspected concussion or head injury, they may not participate again until he/she is evaluated by a health care provider and receives written clearance to participate in the activity from the health care provider.
2. Help them take time to get better. If your child or teen has a concussion, her or his brain needs time to heal. Your child or teen should limit activities while **he/she** is recovering from a concussion. Exercising or doing activities that involve a lot of concentration, such as studying, using a computer, texting, or playing video games may worsen or prolong concussion symptoms (such as headache or tiredness). Rest will help your child recover more quickly. Your child may become upset that he/she cannot participate in activities.

3. Together with your child or teen, learn more about concussions. Talk about the potential long-term effects of concussion and the problems caused by returning to daily activities too quickly (especially physical activity and learning/concentration).

How can I help my child return to school safely after a concussion?

Help your child or teen get needed support when returning to school after a concussion. Talk with your child's school administrators, teachers, school nurse, coach, and counselor about your child's concussion and symptoms. Your child may feel frustrated, sad, and even angry because s/he cannot keep up with school work and learn as well after a concussion. Your child may also feel isolated from peers and social networks. Talk often with your child about these issues and offer your support and encouragement. As your child's symptoms decrease, the extra help or support can be removed gradually. Children and teens who return to school after a concussion may need to:

- Take rest breaks as needed,
- Spend fewer hours at school,
- Be given more time to take tests or complete assignments,
- Receive help with schoolwork, and/or
- Reduce time spent reading, writing, or on the computer.



To learn more about concussion go to :

www.cdc.gov/Concussion or call 1.800.CDC.INFO.



PARENT & ATHLETE AGREEMENT

As a Parent and as an Athlete it is important to recognize the signs, symptoms, and behaviors of concussions. By signing this form you are stating that you understand the importance of recognizing and responding to the signs, symptoms, and behaviors of a concussion or head injury.

Parent Agreement:

I _____ have read the Parent Concussion and Head Injury Information and understand what a concussion is and how it may be caused. I also understand the common signs, symptoms, and behaviors. I agree that my child must be removed from practice/play if a concussion is suspected.

I understand that it is my responsibility to seek medical treatment if a suspected concussion is reported to me.

I understand that my child cannot return to practice/play until providing written clearance from an appropriate health care provider to his/her coach.

I understand the possible consequences of my child returning to practice/play too soon.

Parent/Guardian

Signature _____ Date _____

Athlete Agreement:

I _____ have read the Athlete Concussion and Head Injury Information and understand what a concussion is and how it may be caused.

I understand the importance of reporting a suspected concussion to my coaches and my parents/guardian.

I understand that I must be removed from practice/play if a concussion is suspected. I understand that I must provide written clearance from an appropriate health care provider to my coach before returning to practice/play.

I understand the possible consequence of returning to practice/play too soon and that my brain needs time to heal.

Athlete

Signature _____ Date _____