



**THE PREPARATORY CHARTER SCHOOL
OF MATHEMATICS, SCIENCE, TECHNOLOGY & CAREERS**

Pat Wright
Chief Executive Officer

Jo Ann P. Moore, M.Ed.
Principal

Concussion Management Protocol

Injuries

Injuries must be reported to the coach immediately. Any student-athlete who receives medical treatment for any injury, especially concussions, must provide a physician's release form prior to returning to participating in a sport.

Concussion Management Policy

When you suspect that a player has a concussion, follow the "Heads Up" 4-step Action Plan.

1. Remove the athlete from play.
2. Ensure an appropriate health-care professional evaluates the athlete. (RED FLAGS: If any red flag present, the athlete should go to the emergency department)
3. Inform the athlete's parents/guardians about the possible concussion and give them information on concussion.
4. Keep the athlete out of play the day of the injury, and until an appropriate health-care professional says the athlete is symptom-free and gives the okay to return to activity.

The signs, symptoms and behaviors associated with a concussion are not always apparent immediately after a bump, blow or jolt to the head or body and may develop over a few hours or longer. An athlete should be closely watched following a suspected concussion and should never be left alone.

Athletes should never try to "tough out" a concussion. Teammates, parents/guardians and coaches should never encourage an athlete to "play through" the symptoms of a concussion. In addition, there should never be an attribution of bravery or courage to athletes who play despite having concussion signs and/or symptoms. The risks of such behavior must be emphasized to all members of the team, as well as coaches and parents.



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If an athlete returns to activity before being fully healed from an initial concussion, the athlete is at greater risk for a repeat concussion. A repeat concussion that occurs before the brain has a chance to recover from the first can slow recovery or increase the chance for long-term problems. In rare cases, a repeat concussion can result in severe swelling and bleeding in the brain that can be fatal.

What to do in an Emergency

Although rare, there are some situations where you will need to call 911 and activate the Emergency Medical System (EMS). The following circumstances are medical emergencies:

1. Any time an athlete has a loss of consciousness of any duration. While loss of consciousness is not required for a concussion to occur, it may indicate more serious brain injury.
2. If an athlete exhibits any of the following:
 - Seizure
 - Increasing sleepiness
 - Worsening headache
 - Persistent vomiting

Concussion Management Policy

Rest

The first step in recovering from a concussion is rest. Rest is essential to help the brain heal. Athletes with a concussion need rest from physical and mental activities that require concentration and attention as these activities may worsen symptoms and delay recovery. Exposure to loud noises, bright lights, computers, video games, television and phones (including texting) all may worsen the symptoms of concussion. Athletes typically require 24-48 hours of rest, though some may require longer.



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Return to Learn

Following a concussion, many athletes will have difficulty in school. These problems may last from days to weeks and often involve difficulties with short- and long-term memory, concentration and organization. In many cases, it is best to lessen the student's class load early on after the injury. This may include staying home from school during the short period of rest, followed by a lightened schedule for a few days, or longer, if necessary. Decreasing the stress to the brain in the early phase after a concussion may lessen symptoms and shorten the recovery time. Additional academic adjustments may include decreasing homework, allowing extra time for assignments/tests, and taking breaks during class. Such academic adjustments are best made in collaboration with teachers, counselors and school nurses.

Return to Play

After suffering a concussion, **no athlete should return to play or practice on that same day. An athlete should never be allowed to resume play following a concussion until symptom free and given the approval to resume physical activity by an appropriate health-care professional.**

Once an athlete no longer has signs or symptoms of a **concussion and is cleared to return to activity by an appropriate health-care professional**, he/she should proceed in a step-wise fashion to allow the brain to re-adjust to exercise. In most cases, the athlete should progress no more than one-step each day, and at times, each step may take more than one day. **Below is an example of a return to physical activity program:**

Progressive Physical Activity Program (ideally under supervision)

Step 1: Light aerobic exercise- 5 to 10 minutes on an exercise bike or light jog; no weight lifting, resistance training or any other exercises.

Step 2: Moderate aerobic exercise- 15 to 20 minutes of running at moderate intensity in the gym or on the field without equipment.



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Step 3: Non-contact training drills in full uniform. May begin weightlifting, resistance training and other exercises.

Step 4: Full contact practice or training.

Step 5: Full game play.

Concussion Management Policy

If symptoms of a concussion recur, or if concussion signs and/or behaviors are observed at any time during the return-to-activity program, the athlete must discontinue all activity immediately. Depending on previous instructions, the athlete may need to be re-evaluated by the health-care provider, or may have to return to the previous step of the return-to-activity program.

Summary of Suggested Concussion Management

1. No athlete should return to play (RTP) or practice on the same day of a concussion.
2. Any athlete suspected of having a concussion should be evaluated by an appropriate health-care professional.

Concussion Management Policy (Cont'd)

3. Any athlete with a concussion should be medically cleared by an appropriate health-care professional prior to resuming participation in any practice or competition.
4. After medical clearance, RTP should follow a step-wise protocol with provisions for delayed RTP based upon return of any signs or symptoms

*****All Prep Charter's coaching staff members have successfully completed the NFHS Concussion in Sports course****

SECTION 3: UNDERSTANDING OF RISK OF CONCUSSION AND TRAUMATIC BRAIN INJURY

What is a concussion? A concussion is a brain injury that:

- Is caused by a bump, blow, or jolt to the head or body.
- Can change the way a student's brain normally works.



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- Can occur during Practices and/or Contests in any sport.
- Can happen even if a student has not lost consciousness.
- Can be serious even if a student has just been “dinged” or “had their bell rung.”

All concussions are serious. A concussion can affect a student’s ability to do schoolwork and other activities (such as playing video games, working on a computer, studying, driving, or exercising). Most students with a concussion get better, but it is important to give the concussed student’s brain time to heal.

What are the symptoms of a concussion?

Concussions cannot be seen; however, in a potentially concussed student, one or more of the symptoms listed below may become apparent and/or that the student “doesn’t feel right” soon after, a few days after, or even weeks after the injury.

- Headache or “pressure” in head
- Nausea or vomiting
- Balance problems or dizziness
- Double or blurry vision
- Bothered by light or noise
- Feeling sluggish, hazy, foggy, or groggy
- Difficulty paying attention
- Memory problems
- Confusion

What should students do if they believe that they or someone else may have a concussion?

- **Students feeling any of the symptoms set forth above should immediately tell their Coach and their parents.** In addition, if they notice any teammate evidencing such symptoms, they should immediately tell their Coach.
- **The student should be evaluated.** A licensed physician of medicine or osteopathic medicine (MD or DO), sufficiently familiar with current concussion management, should examine the student, determine whether the student has a concussion, and determine when the student is cleared to return to participate in interscholastic athletics.
- **Concussed students should give themselves time to get better.** If a student has sustained a concussion, the student’s brain needs time to heal. While a concussed student’s brain is still healing, that student is much more likely to have another concussion. Repeat concussions can



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increase the time it takes for an already concussed student to recover and may cause more damage to that student's brain. Such damage can have long-term consequences. It is important that a concussed student rest and not return to play until the student receives permission from an MD or DO, sufficiently familiar with current concussion management, that the student is symptom-free.

How can students prevent a concussion?

Every sport is different, but there are steps students can take to protect themselves.

- Use the proper sports equipment, including personal protective equipment. For equipment to properly protect a student, it must be the right equipment for the sport, position, or activity; Worn correctly and the correct size and fit; and Used every time the student Practices and/or competes.
- Follow the Coach's rules for safety and the rules of the sport.
- Practice good sportsmanship at all times. If a student believes they may have a concussion: Don't hide it. Report it. Take time to recover. I hereby acknowledge that I am familiar with the nature and risk of concussion and traumatic brain injury while participating in interscholastic athletics, including the risks associated with continuing to compete after a concussion or traumatic brain injury.

Student's Signature _____ Date ____ / ____ / ____

I hereby acknowledge that I am familiar with the nature and risk of concussion and traumatic brain injury while participating in interscholastic athletics, including the risks associated with continuing to compete after a concussion or traumatic brain injury. Parent's/Guardian's Signature

_____ Date ____ / ____ / ____

Concussion Management Team.

School Nurse: Melissa Cerbone
Athletic Director: Shawn Magee
Assistant Athletic Director: Stacy Bonner
Principal: Jo Ann Moore