The Bronxville School Concussion Management Policy/Protocol

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# On-Location Management of Concussions

#### **Loss of Consciousness**

- Duration of LOC doesn't matter, still treated as MEDICAL EMERGENCY
- Transported to ER by EMS
- Student must sit out 7 days and be symptom free before beginning return-to-play protocol

#### **No Loss of Consciousness**

- Removed from activity and evaluated by appropriate staff member with concussion checklist
- If student has any symptoms, they may not return to activity that day
- Doctor referral for concussion

\*\*In both cases, parents and Concussion Management Team will be notified\*\*

## **Concussion Checklist**

Name; Date of Injury;	Age: Time of Injury:	Grade:Loc	Sport: ation:		
HISTORY					
Did athlete lose consciousness?		Yes	No	Unclear	
Does he/she remember the injury?		Yes	No	Unclear	
Was the athlete unresponsive?		Yes	No	Unclear	
Did he/she experience a seizure? Has the athlete ever had a head injury before(		Yes	No	Unclear	
Has the athlete ever had a h	ead injury before(	X65	No	Unclear	
SYMPTOMS:					
Headache?	YN	Nausea/Vo	miting?	Y	N
Dizziness?	YN			Y	N
Blurred Vision?	YN			Y	N
Memory Problems?	YN	Feeling Sill	y/Giddy?	Y	N
Problems focusing?	YN	Depressed/	Emotional?	Y	N
Slurred Speech?	YN	Stars/Flashi	ngLights?	Y	N
Diplopia?	YN			Y	N
Feeling Dazed/Confused?	¥N				N
Loss of Orientation?	XN			Y	N
Sensitive to Sound?	YN			Y	N
Pain in Neck2	Y N		ting down arr		N
Loss of Appetite?	YN			Y	N
Numbness/Tingling?	XN	Sleep.Distu	ubance?	Y	N
Re-Evaluation of Sympton	ns After 15 Minut	· • • •			
Headache?	YN		mitine?	Y	N
Dizziness?	YN			Ŷ	N
Blurred Vision?	YN			Y	N
Memory Problems?	YN		v/Giddv?	Y	N
Problems focusing?	YN	Depressed/	Emotional?	Y	N
Slurred Speech?	YN	Stars/Flashi	ngLights?	Y	N
Diplopia?	YN	Fatigue/Lo	w.Energy?	Y	N
Feeling Dazed/Confused?	YN	Problems V	Valking/Stand	ling? Y	N
Loss of Orientation?	YN			Y	N
Sensitive to Sound?	YN	Feeling Ag	gressive?	Y	N
Pain in Neck?	Y N		ting down arr	ns? Y	N
Loss of Appetite?	YN			Y	N
Numbness/Tingling?	YN	Sleep Distu	rbance?	Y	N

Having any of the above symptoms present denotes a positive test, and a suspected concussion, thus the student MUST be removed from all activity and proper protocol should be followed.

# Off-Location Management (Out of School Concussions)



- Parent/Guardian
  MUST notify the
  Nurse's office
- Nurses will notify the Concussion Management Team
- Student must be seen by the school doctor

### **Physician Clearance**

- Students suspected with a concussion should be evaluated by a private licensed MD (preferably neurologist) for diagnosis and appropriate medical care
- Once student is asymptomatic for 24 hours, should be re-evaluated to return to activities (PE and sports).
- Must have written clearance!
- Once written clearance is obtained from PMD, student must be cleared by the school physician to begin return-to-play

### **Return-to-Play Protocol**



- 6 Phases
- 24 hours is recommended between each phase

 MUST HAVE WRITTEN
 CLEARANCE FROM
 PMD AND SCHOOL
 PHYSICIAN PRIOR
 TO BEGINNING RTP

#### Phase 1-Rest and Recovery

- Physical and cognitive rest until SYMPTOM-FREE
- Physical rest-adequate sleep, wake up without alarm
- Cognitive rest-avoid TV, video games, computer, texting, reading, bright lights, loud noises, studying/homework



## Phase 2-Light Aerobic Exercise



- Light activity such as walking on treadmill or riding stationary bike for 15 min
- Objective is to increase heart rate and maintain asymptomatic state

Phase 3-Moderate Aerobic Exercise/Sport Specific Drills

- Jogging for 20 minutes
- Skills necessary for sport (ex. shooting drills for basketball)
- Objective is to further increase heart rate and add movement while remaining asymptomatic

#### **Phase 4-Non-Contact Practice**

- Student may participate in all aspects of practice that don't require contact
- Examples-passing and shooting drills in lacrosse as opposed to scrimmaging
- Objective is for exercise, coordination, and add a cognitive aspect to return-to-play

#### **Phase 5-Full Contact Practice**

- Allowed to participate in full practice with no restrictions and intense aerobic activity
- Objective is to increase confidence, assess functional skills while remaining asymptomatic

#### Phase 6-Return-to-Play

Student must be seen again by school physician after successfully completing phases 1-5 and remaining asymptomatic
 Once cleared, may return to all practices and games with no restrictions

#### **Return-to Play Protocol**

 If any symptoms should return during RTP, student must rest until symptom-free for 24 hours, then begin RTP from previous phase.