Return to Sport

This tool is a guideline for managing an individual's return to sport following a concussion and does not replace medical advice. Timelines and activities may vary based on direction from a doctor, nurse practitioner, or licensed healthcare professional with relevant training. Begin Step 1 within 24 hours of injury, with progression through each subsequent step taking a minimum of 24 hours.

STEP 1:	STEP 2:		STEP 3:	STEP 4:	STEP 5:	STEP 6:
Activities of daily living and relative rest* • Maximum of 24-48 hours • Activities at home such as social interactions and light walking that do not result in more than mild and brief** exacerbation (worsening) of concussion symptoms. Examples: • Preparing meals • Housework • Light walking • Minimize screen time	and aerobic exercise Up to approximately 55% of maximum heart rate (predicted according to age - i.e. 220-age). In a safe and controlled environment, engage in light aerobic exercise. Examples: Stationary cycling Walking at slow to medium pace Light resistance training that does not result in more than mild and brief** exacerbation (worsening)	2B: Moderate effort aerobic exercise • Up to approximately 70% of maximum heart rate (predicted according to age - i.e. 220-age). • Take a break and modify activities as needed with the aim of gradually increasing tolerance and the intensity of aerobic activities.	Individual sport-specific activities (that do not have a risk of inadvertent head impact) • Addition of individual sport-specific activities that are supervised by a teacher/coach/parent. Examples: • Skating drills (hockey) • Running drills (soccer) • Change of direction drills • Individual gym class activities It is important to get medical clearance before returning to training that involves any risk of inadvertent head impact.	Non-contact training drills and activities • Progress to exercises at high intensity, including more challenging drills and activities. Examples: • Passing drills • Multi-player training • Supervised non-contact gym class activities • Practices without body contact	Return to all non-competitive activities Return to all non-competitive activities, all gym class activities, and full-contact practices Participate in higher-risk activities including normal training activities, all school gym-class activities, and full-contact sports practices and scrimmages. Avoid competitive gameplay.	Return to sport Back to normal, unrestricted competitive game play, school gym class, and physical activities. Note: Returning to full contact, competitive play or high-risk activities before
for first 24-48 hours following concussion.				Resume usual intensity of exercise, coordination, and	Return to activities that have a risk of falling or body contact, restore game-play	
Activities of daily living, as tolerated	Increase heart rate		and introduce low-risk sport- specific movements and changing of directions	activity-related cognitive skills	confidence, and have coaches assess functional skills.	you have recovered increases the risk of delayed recovery and for sustaining another more severe concussion or serious injury.
After a maximum of 24-48 hours after injury, BEGIN STEP 2	If can tolerate moderate aerobic exercise, BEGIN STEP 3		If medically cleared and have fully returned to school, BEGIN STEP 4	If can tolerate usual intensity of activities, BEGIN STEP 5	If can tolerate non- competitive, high-risk activities, BEGIN STEP 6	

If more than mild exacerbation (worsening) of symptoms (i.e., more than 2 points on a 0-10 scale***) occurs during Steps 1-3, stop the activity, and attempt to exercise the next day. Individuals experiencing concussion symptoms during Steps 4-6 should return to Step 3 to establish full resolution of symptoms with exertion before engaging in at-risk activities. Written determination of medical clearance should be provided before unrestricted Return to Sport as directed by local laws and/or sporting regulations.

Medical determination of readiness to return to at-risk activities should occur prior to returning to any activities that pose risk of contact, collision, or fall.

*Relative rest: activities of daily living including walking and other light physical and cognitive activities are permitted as tolerated.

Mild exacerbation (worsening) of symptoms: No more than a 2-point increase when compared with the pre-activity value on a 0-10-point symptom severity scale. * "Brief" exacerbation of symptoms: Worsening of symptoms for up

***0-10 point symptom severity scale: Please see the Visual Analog Scale for an example of a 0-10 symptom severity scale.



