# SCOAT6<sup>™</sup>



## Sport Concussion Office Assessment Tool

For Adults & Adolescents (13 years +)

### What is the SCOAT6?\*

The SCOAT6 is a tool for evaluating concussion in a controlled office environment by Health Care Professionals (HCP) typically from 72 hours (3 days) following a sport-related concussion.

The diagnosis of concussion is a clinical determination made by an HCP. The various components of the SCOAT6 may assist with the clinical assessment and help guide individualised management.

The SCOAT6 is used for evaluating athletes aged 13 years and older. For children aged 12 years or younger, please use the Child SCOAT6.

Brief verbal instructions for some components of the SCOAT6 are included. Detailed instructions for use of the SCOAT6 are provided in an accompanying document. Please read through these instructions carefully before using the SCOAT6.

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### **Completion Guide**

Blue: Complete only at first assessment	Green: Recommended part of assessment	Orange: Optional part of assessment			
Athlete's Name:					
Date of Birth:	Sex: Male Female Prefer No	t To Say Other			
Sport:					
Occupational or Educational Status:					
Current or Highest Educational Level of	or Qualification Achieved:				
Examiner:	Date of Examination	1:			
Referring Physician's Name:					
Referring Physician's Contact Details:					

\* In reviewing studies informing the SCOAT6 and Child SCOAT6, the period defined for the included papers was 3–30 days. HCPs may choose to use the SCOAT6 beyond this timeframe but should be aware of the parameters of the review.

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SCOAT6™

Developed by: The Concussion in Sport Group (CISG)

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# SCOAT6™

### **Sport Concussion Office Assessment Tool**

For Adults & Adolescents (13 years +)

<b></b>	

Current Injury				
Removal From Play:	Immediate	Continued to play for	mins	]
	Walked off	Assisted off	Stretchered off	]
Date of Injury:				
<b>Description</b> - include m	echanism of injury, preser	ntation, management since th	e time of injury and trajector	y of care since injury:
B .		210	. = . =	
Date Symptoms First A	Appeared:	Date Syn	nptoms First Reported:	
History of Head I	njuries			
Date/Year		ide mechanism of injury, ment since the time of injury	<b>Management</b> - including t	ime off work, school or
Daterreal		of care since injury	spor	t
History of Any Ne	eurological, Psych	ological, Psychiatric	or Learning Disord	ers
Dia	gnosis	Year Diagnosed	Management Including	Medication
Migraine				
Chronic headac	he			
Depression				
Anxiety				
Syncope				
Epilepsy/seizur	es			
Attention defici				
Learning disord				
Other				

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List All Current Medications - including over-the-counter, naturopathic and supplements						
Item	Dose	Frequency	Reason Taken			

# Family History of Any Diagnosed Neurological, Psychological, Psychiatric, Cognitive or Developmental Disorders

Family Member	Diagnosis	Management Including Medication
	Depression	
	Anxiety	
	Attention deficit hyperactivity disorder (ADHD)	
	Learning disorder/ dyslexia	
	Migraine	
	Other	
Additional Notes:		

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### **Symptom Evaluation**

Please rate your symptoms below based on how you feel now with "1" representing a very mild symptom and "6" representing a severe symptom.

0 1 2 3 4 5 6 None Mild Moderate Severe

	Date of Assessment									
Symptom	Pre-injury	Day injured (date)	Consult 1	Consult 2	Consult 3					
	Rating	Rating	Rating	Rating	Rating					
Headaches										
Pressure in head										
Neck pain										
Nausea or vomiting										
Dizziness										
Blurred vision										
Balance problems										
Sensitivity to light										
Sensitivity to noise										
Feeling slowed down										
Feeling like "in a fog"										
Difficulty concentrating										
Difficulty remembering										
Fatigue or low energy										
Confusion										
Drowsiness										
More emotional										
Irritability										
Sadness										
Nervous or anxious										
Sleep disturbance										
Abnormal heart rate										
Excessive sweating										
Other										

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### **Symptom Evaluation (Continued)**

	Date of Assessment							
Symptom	Pre-injury	Day injured (date)	Consult 1	Consult 2	Consult 3			
	Rating	Rating	Rating	Rating	Rating			
Do symptoms worsen with physical activity?								
Do symptoms worsen with cognitive (thinking) activity?								
Symptom number								
Symptom severity score								
What percentage of normal do you feel?								

### **Verbal Cognitive Tests**

### **Immediate Memory**

All 3 trials must be administered irrespective of the number correct on Trial 1. Administer at the rate of one word per second in a monotone voice.

Trial 1: Say "I am going to test your memory. I will read you a list of words and when I am done, repeat back as many words as you can remember, in any order."

Trials 2 and 3: Say "I am going to repeat the same list. Repeat back as many words as you can remember in any order, even if you said the word before in a previous trial."

Word list used: A B C						Alternat	e Lists	
List A	Tria	al 1	Tria	al 2	Tria	al 3	List B	List C
Jacket	0	1	0	1	0	1	Finger	Baby
Arrow	0	1	0	1	0	1	Penny	Monkey
Pepper	0	1	0	1	0	1	Blanket	Perfume
Cotton	0	1	0	1	0	1	Lemon	Sunset
Movie	0	1	0	1	0	1	Insect	Iron
Dollar	0	1	0	1	0	1	Candle	Elbow
Honey	0	1	0	1	0	1	Paper	Apple
Mirror	0	1	0	1	0	1	Sugar	Carpet
Saddle	0	1	0	1	0	1	Sandwich	Saddle
Anchor	0	1	0	1	0	1	Wagon	Bubble
Trial Total								
Immediate Memory Total of 30								
Time last trial completed:								

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	<b>Verbal Cod</b>	unitive Test	ts: Alternate	15-word lists
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Alternate 15-word lists may be accessed by scanning or clicking the QR code.

Record the total below.

Total \_\_\_\_\_ of 45



### **Digits Backwards**

Administer at the rate of one digit per second in a monotone voice reading DOWN the selected column. If a string is completed correctly, move on to the string with next higher number of digits; if the string is completed incorrectly, use the alternate string with the same number of digits; if this is failed again, end the test.

Say "I'm going to read a string of numbers and when I am done, you repeat them back to me in reverse order of how I read them to you. For example, if I say 7-1-9, you would say 9-1-7. So, if I said 9-6-8 you would say? 8-6-9"

Digit list used: A B C

_						
List A	List B	List C				
4-9-3	5-2-6	1-4-2	Υ	N	0	,
6-2-9	4-1-5	6-5-8	Υ	N	0	1
3-8-1-4	1-7-9-5	6-8-3-1	Υ	N	0	1
3-2-7-9	4-9-6-8	3-4-8-1	Υ	N	U	,
6-2-9-7-1	4-8-5-2-7	4-9-1-5-3	Υ	N	0	1
1-5-2-8-6	6-1-8-4-3	6-8-2-5-1	Υ	N	U	'
7-1-8-4-6-2	8-3-1-9-6-4	3-7-6-5-1-9	Υ	N	0	1
5-3-9-1-4-8	7-2-4-8-5-6	9-2-6-5-1-4	Υ	N	U	
				Digits scor	e	of 4

					$\overline{}$	
- 10	lont	ho in	DAV	erse	$\cap$	KOOK
- 1/	/ ( 0 )				u	1001210

Say "Now tell me the months of the year in reverse order as QUICKLY and as accurately as possible. Start with the last month and go backward. So, you'll say December, November... go ahead"

Start stopwatch and CIRCLE each correct response:

December November October September August July June May April March February January

Time Taken to Complete (secs): (N <30 sec) Number of Errors:

### **Examination**

Orthostatic Vital Signs						
The first blood pressure and heart rate measurements are taken after the patient lies supine on the examination table for at least 2 minutes. The patient is then asked to stand up without support and with both feet firmly on the ground and the second measurements are taken after standing for 1 minute. Ask the patient if they experience any dizziness or light-headedness upon standing (initial orthostatic intolerance) or by one minute (orthostatic intolerance).						
Orthostatic Vital Signs	Sup	oine	Standing (after 1 minute)			
Blood Pressure (mmHg)						
Heart Rate (bpm)						
Symptoms¹  Dizziness or light-headedness  Fainting  Blurred or fading vision  Nausea  Fatigue  Lack of concentration	No	Yes	No Yes I			
Results		Normal	Abnormal			
Test results are deemed clinically significant if t (1) systolic BP drop of ≥ 20mmHg or (2) diastol						
Cervical Spine Assessment						
Cervical Spine Palpati	ion		Signs and Symptoms			
Muscle Spasm		Normal	Abnormal			
Midline Tenderness		Normal	Abnormal			
Paravertebral Tenderness		Normal	Abnormal			
Cervical Active Range of	Motion		Result			
Flexion (50-70°)		Normal	Abnormal			
Extension (60-85°)		Normal	Abnormal			

Normal

Normal

Normal

Normal

**Abnormal** 

**Abnormal** 

**Abnormal** 

**Abnormal** 

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Right Lateral Flexion (40-50°)

Left Lateral Flexion (40-50°)

Right Rotation (60-75°)

Left Rotation (60-75°)

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Neurological Exam	nination				
Cranial Nerves	Abnormal	Not teste	ed		
Notes:					
Other Neurologic	al Findings				
Limb Tone:	Normal	Abnormal	Not t	rested	
Strength:	Normal	Abnormal	Not t	rested	
Deep Tendon Reflexes:	Normal	Abnormal	Not t	rested	
Sensation:	Normal	Abnormal	Not t	rested	
Cerebellar Function:	Normal	Abnormal	Not t	rested	
Comments:					
Balance					
Balance Barefoot on a firm surface Foot Tested: Left		at. ne <b>non-dominant</b>	foot)		
Barefoot on a firm surface			foot) On Foam		
Barefoot on a firm surface Foot Tested: Left				of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS	Right (i.e. test the		On Foam	of 10 of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance:	Right (i.e. test the		On Foam  Double Leg Stance:		
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance:	of 10		On Foam  Double Leg Stance:  Tandem Stance:	of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance:  Tandem Stance:  Single Leg Stance:	of 10 of 10 of 10 of 30		On Foam  Double Leg Stance:  Tandem Stance:  Single Leg Stance:	of 10 of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:	of 10 of 10 of 10 of 30	ne <b>non-dominant</b>	On Foam  Double Leg Stance:  Tandem Stance:  Single Leg Stance:	of 10 of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  Timed Tandem Gai Place a 3-metre-long line	of 10 of 10 of 10 of 30  it on the floor/firm surface	ne <b>non-dominant</b>	On Foam  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:	of 10 of 10	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  Timed Tandem Gai Place a 3-metre-long line Say "Please walk heel-total standard s	of 10 of 10 of 10 of 30  it on the floor/firm surface o-toe quickly to the end stepping off the line."	with athletic tape.	On Foam  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:	of 10 of 10 of 30	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  Timed Tandem Gai Place a 3-metre-long line Say "Please walk heel-total standard s	of 10 of 10 of 10 of 30  it on the floor/firm surface o-toe quickly to the end stepping off the line."	with athletic tape.	On Foam  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  around and come bace sait Walking (seconds)	of 10 of 10 of 30  k as fast as you can without	
Barefoot on a firm surface Foot Tested: Left  Modified BESS  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  Timed Tandem Gai Place a 3-metre-long line Say "Please walk heel-to separating your feet or s	of 10 of 10 of 10 of 30  it on the floor/firm surface co-toe quickly to the end stepping off the line."  Time to Con	with athletic tape.	On Foam  Double Leg Stance: Tandem Stance: Single Leg Stance: Total Errors:  around and come bace sait Walking (seconds)	of 10 of 10 of 30  k as fast as you can without	

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Complex Tandem G	ait		
•		os forward, then continue forward with eyes closed for five holding onto an object for support.	steps" 1 point for
Forward Eyes Open	Points:		
Forward Eyes Closed	Points:		
Foi	rward Total Points:		
		Is five steps eyes open, then continue backwards five step t for truncal sway or holding onto an object for support.	os with eyes
Backward Eyes Open	Points:		
Backward Eyes Closed	Points:		
Back	ward Total Points:		
Total Points (For	ward + Backward):		

### **Dual Task Gait**

Say "Now, while you are walking heel-to-toe, I will ask you to recite the following words in reverse order / count backwards out loud by 7s (for instance starting at 100, then 93, 86 etc.) / recite the months of the year in reverse order"

(select one cognitive task). Allow for a verbal practice attempt of the cognitive task selected.

	Cognitive Tasks							
Trial 1 (Words - spell backwards)	VISIT	ALERT	FENCE	BRAVE	MOUSE	DANCE	CRAWL	LEARN
OR Trial 2 Subtract serial 7s)	95	88	81	74	67	60	53	46
OR Trial 3 Months backwards)	ecember	November O	ctober Septe	mber August	July June	May April M	March Februai	ry January

Before attempting the dual task:	"Good.	Now I	will a	ask you	to walk	heel-to-toe	calling to	he answers	out lo	ud	at the	same
time. Are you ready?"												

Number of Trials Attempted:	Number of Correct Trials:	Average Time (s):	
Cognitive Accuracy Score (Nu	mber Correct / Number Attempted):		

Comments:

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### Modified Vestibular/Ocular-Motor Screening (mVOMS) for Concussion

For detailed instructions please see the Supplement.

mVOMS	Not Tested	Headache	Dizziness	Nausea	Fogginess	Comments
Baseline symptoms	N/A					
Smooth pursuits (2 horizontal and 2 vertical, 2 seconds to go full distance right-left and back; up-down and back)						
Saccades – Horizontal (10 times each direction)						
VOR – Horizontal (10 repetitions) (metronome set at 180 beats per minute – change direction at each beep, wait 10 secs to ask symptoms)						
VMS (x 5, 80° rotation side to side) (at 50 bpm, change direction each beep, wait 10 secs to ask symptoms)						

### **Anxiety Screen**

Not Done

Assign scores of 0, 1, 2, and 3 to the response categories, respectively, of "not at all," "several days," "more than half the days," and "nearly every day."

Over the last 2 weeks, how often have you been bothered by any of the following problems?	Not at all	Several days	More than half the days	Nearly every day
1. Feeling nervous, anxious, or on edge	0	1	2	3
2. Not being able to stop or control worrying	0	1	2	3
3. Worrying too much about different things	0	1	2	3
4. Trouble relaxing	0	1	2	3
5. Being so restless that it's hard to sit still	0	1	2	3
6. Becoming easily annoyed or irritable	0	1	2	3
7. Feeling afraid as if something awful might happen	0	1	2	3

Anxiety Screen Score: 0–4: minimal anxiety 5–9: mild anxiety 10–14: moderate anxiety 15–21: severe anxiety

### **Depression Screen**

Not Done

The purpose is to screen for depression in a "first-step" approach. Patients who screen positive should be further evaluated with the <a href="PHQ-9">PHQ-9</a> to determine whether they meet criteria for a depressive disorder.

Over the last 2 weeks, how often have you been bothered by any of the following problems?	Not at all	Several days	More than half the days	Nearly every day
1. Little interest or pleasure in doing things	0	1	2	3
2. Feeling down, depressed or hopeless	0	1	2	3

Depression Screen Score: (Ranges from 0-6, 3 being the cutpoint to screen for depression)

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Sleep Screen	
Not Done	
Not Done	
<ol> <li>During the past week how many hours of actual sleep did you get at night?</li> <li>(This may be different than the number of hours you spent in bed.)</li> </ol>	
5 to 6 hours	4
6 to 7 hours	3
7 to 8 hours	2
8 to 9 hours	1
More than 9 hours	0
2. How satisfied/dissatisfied were you with the quality of your sleep?	
Very dissatisfied	4
Somewhat dissatisfied	3
Somewhat satisfied	2
Satisfied	1
Very satisfied	0
3. During the recent past, how long has it usually taken you to fall asleep each night?	
Longer than 60 minutes	3
31-60 minutes	2
16-30 minutes	1
15 minutes or less	0
A Harristan de veri harri trankla etaria a celegra	
4. How often do you have trouble staying asleep?	
Five to seven times a week	3
Three of four times a week	2
Once or twice a week	1
Never	0
5. During the recent past, how often have you taken medicine to help you sleep? (prescribed or over-the-counter)	
Five to seven times a week	3
Three of four times a week	2
Once or twice a week	1
Never	0
Sleep Screen Score:  A higher sleep disorder score (SDS) indicates a greater likelihood of a clinical sleep disorder: 0-4 (Normal) 5-7 (Mild) 8-10 (Moderate) 11-17 (Severe)	

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Delayed Word Recall						
Minimum of 5 minutes after immediate recall						
Say "Do you remember that list of words I read a few times earlier? Tell me as many words from the list as you can remember in any order."						
Word list used: A B	с	Altern	ate Lists			
List A	Score	List B	List C			
Jacket	0 1	Finger	Baby			
Arrow	0 1	Penny	Monkey			
Pepper	0 1	Blanket	Perfume			
Cotton	0 1	Lemon	Sunset			
Movie	0 1	Insect	Iron			
Dollar	0 1	Candle	Elbow			
Honey	0 1	Paper	Apple			
Mirror	0 1	Sugar	Carpet			
Saddle	0 1	Sandwich	Saddle			
Anchor	0 1	Wagon	Bubble			
Computerised Cognitive Test Re	esults (if	used)				
Test Battery Used:						
Recent Baseline - if performed (Date):						
Post-Injury Result (Rest):						
Post-Injury Result (Post-Exercise Stress):						
Graded Aerobic Exercise Test						
Not Done						
Exclude contra-indications: cardiac condition, injuries, cervical spine injury.	respiratory	disease, significant vestibular sympt	oms, motor dysfunction, lower limb			
Protocol Used:						
Overall Assessment						
Summary:						

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port Concussion Office Assessment Tool 6 - SCOAT6™					
Management and Follow-up Plan	n				
Cervical or brain imaging (X-rays/CT/MRI)					
Imaging Requested:					
Reason:					
Findings:					
Recommendations regarding return to:					
Class:					
Work:					
Driving:					
Sport:					
(See revised graduated return-to-learn and ret	turn-to-sport guidelines)				
Referral					
Further assessment, intervention or managem	nent				
Assessment by:	Name:				
Athletic Trainer/Therapist					
Exercise Physiologist					
Neurologist					
Neuropsychologist					
Neurosurgeon					
Opthalmologist					
Optometrist					
Paediatrician					
Physiatrist/Rehab Phys					
Physiotherapist					
Psychologist					
Psychiatrist					
Sport and Exercise Medicine Phys					
Other					
Pharmacotherapy Prescribed:					
.,					
Date of Review:	Date of Follow-up:				

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# Additional Clinical Notes

### Return-to-Learn (RTL) Strategy

Facilitating RTL is a vital part of the recovery process for student-athletes. HCPs should work with stakeholders on education and school policies to facilitate academic support, including accommodations/learning adjustments for students with SRC when needed. Academic support should address risk factors for greater RTL duration (e.g., social determinants of health, higher symptom burden) by adjusting environmental, physical, curricular, and testing factors as needed. **Not all athletes will need a RTL strategy or academic support.** If symptom exacerbation occurs during cognitive activity or screen time, or difficulties with reading, concentration, or memory or other aspects of learning are reported, clinicians should consider implementation of a RTL strategy at the time of diagnosis and during the recovery process. When the RTL strategy is implemented, it can begin following an initial period of relative rest (Step1: 24-48 hrs), with an incremental increase in cognitive load (Steps 2 to 4). Progression through the strategy is symptom limited (i.e., no more than a mild exacerbation of current symptoms related to the current concussion) and its course may vary across individuals based on tolerance and symptom resolution. Further, while the RTL and RTS strategies can occur in parallel, student-athletes should complete full RTL before unrestricted RTS.

Step	Mental Activity	Activity at Each Step	Goal
1	Daily activities that do not result in more than a mild exacerbation* of symptoms related to the current concussion.	Typical activities during the day (e.g., reading) while minimizing screen time. Start with 5–15 min at a time and increase gradually.	Gradual return to typical activities.
2	School activities.	Homework, reading, or other cognitive activities outside of the classroom.	Increase tolerance to cognitive work.
3	Return to school part time.	Gradual introduction of schoolwork. May need to start with a partial school day or with greater access to rest breaks during the day.	Increase academic activities.
4	Return to school full time.	Gradually progress school activities until a full day can be tolerated without more than mild* symptom exacerbation.	Return to full academic activities and catch up on missed work.

**NOTE:** Following an initial period of relative rest (24-48 hours following injury at Step 1), athletes can begin a gradual and incremental increase in their cognitive load. Progression through the strategy for students should be slowed when there is more than a mild and brief symptom exacerbation.

\*Mild and brief exacerbation of symptoms is defined as an increase of no more than 2 points on a 0-10 point scale (with 0 representing no symptoms and 10 the worst symptoms imaginable) for less than an hour when compared with the baseline value reported prior to cognitive activity. For use by Health Care Professionals only



### Return-to-Sport (RTS) Strategy

Return to sport participation after an SRC follows a graduated stepwise strategy, an example of which is outlined in Table 2. RTS occurs in conjunction with return to learn (see RTL strategy) and under the supervision of a qualified HCP. Following an initial period of relative rest (Step 1: approximately 24-48 hours), clinicians can implement Step 2 [i.e., light (Step 2A) and then moderate (Step 2B) aerobic activity] of the RTS strategy as a treatment of acute concussion. The athlete may then advance to steps 3-6 on a time course dictated by symptoms, cognitive function, clinical findings, and clinical judgement. Differentiating early activity (step 1), aerobic exercise (Step 2), and individual sport-specific exercise (Step 3) as part of the treatment of SRC from the remainder of the RTS progression (Steps 4-6) can be useful for the athlete and their support network (e.g., parents, coaches, administrators, agents). Athletes may be moved into the later stages that involve risk of head impact (Steps 4-6 and Step 3 if there is any risk of head impact with sport-specific activity) of the RTS strategy following authorization by the HCP and after resolution of any new symptoms, abnormalities in cognitive function, and clinical findings related to the current concussion. Each step typically takes at least 24 hours. Clinicians and athletes can expect a minimum of 1 week to complete the full rehabilitation strategy, but typical unrestricted RTS can take up to one month post-SRC. The time frame for RTS may vary based on individual characteristics, necessitating an individualized approach to clinical management. Athletes having difficulty progressing through the RTS strategy or with symptoms and signs that are not progressively recovering beyond the first 2-4 weeks may benefit from rehabilitation and/or involvement of a multidisciplinary team of HCP experienced in managing SRC. Medical determination of readiness, including psychological readiness, to return to at-risk activities should occur prior to returning to any activities at risk of contact, collision or fall (e.g. multiplayer training drills), which may be required prior to any of steps 3-6, depending on the nature of the sport or activity that the athlete is returning to and in keeping with local laws/requirements.

Step	Exercise Strategy	Activity at Each Step	Goal		
1	Symptom-limited activity.	Daily activities that do not exacerbate symptoms (e.g., walking).	Gradual reintroduction of work/school.		
2	Aerobic exercise 2A – Light (up to approx. 55% max HR) then 2B – Moderate (up to approximately 70% max HR)	Stationary cycling or walking at slow to medium pace. May start light resistance training that does not result in more than mild and brief exacerbation* of concussion symptoms.	Increase heart rate.		
3	Individual sport-specific exercise  NOTE: if sport-specific exercise involves any risk of head impact, medical determination of readiness should occur prior to step 3.	Sport-specific training away from the team environment (e.g., running, change of direction and/or individual training drills away from the team environment). No activities at risk of head impact.	Add movement, change of direction.		
Steps 4-6 should begin after resolution of any symptoms, abnormalities in cognitive function, and any other clinical findings related to the current concussion, including with and after physical exertion.					
4	Non-contact training drills.	Exercise to high intensity including more challenging training drills (e.g., passing drills, multiplayer training). Can integrate into team environment.	Resume usual intensity of exercise, coordination, and increased thinking.		
5	Full contact practice.	Participate in normal training activities.	Restore confidence and assess functional skills by coaching staff.		
6	Return to sport.	Normal game play.			

maxHR = predicted maximal Heart Rate according to age (i.e., 220-age)

Age Predicted Maximal HR= 220-age	Mild Aerobic Exercise	Moderate Aerobic Exercise
55%	220-age x 0.55 = training target HR	
70%		220-age x 0.70 = training target HR

NOTE: \*Mild and brief exacerbation of symptoms (i.e., an increase of no more than 2 points on a 0-10 point scale for less than an hour when compared with the baseline value reported prior to physical activity). Athletes may begin Step 1 (i.e., symptom-limited activity) within 24 hours of injury, with progression through each subsequent step typically taking a minimum of 24 hours. If more than mild exacerbation of symptoms (i.e., more than 2 points on a 0-10 scale) occurs during Steps 1-3, the athlete should stop and attempt to exercise the next day. If an athlete experiences concussion-related symptoms during Steps 4-6, they should return to Step 3 to establish full resolution of symptoms with exertion before engaging in at-risk activities. Written determination of readiness to RTS should be provided by an HCP before unrestricted RTS as directed by local laws and/or sporting regulations.