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SPORT CONCUSSION ASSESSMENT TOOL - 5TH EDITION

DEVELOPED BY THE CONCUSSION IN SPORT GROUP FOR USE BY MEDICAL PROFESSIONALS ONLY

supported by









Patient details Name: DOB: Address: ID number: Examiner: Date of larger: Time:

WHAT IS THE SCAT5?

The SCAT5 is a standardized tool for evaluating concussions designed for use by physicians and licensed healthcare professionals'. The SCAT5 cannot be performed correctly in less than 10 minutes.

If you are not a physician or licensed healthcare professional, please use the Concussion Recognition Tool 5 (CRT5). The SCAT5 is to be used for evaluating athletes aged 13 years and older. For children aged 12 years or younger, please use the Child SCAT5.

Preseason SCAT5 baseline testing can be useful for interpreting post-injury test scores, but is not required for that purpose. Detailed instructions for use of the SCAT5 are provided on page 7. Please read through these instructions carefully before testing the athlete. Brief verbal instructions for each test are given in italics. The only equipment required for the tester is a watch or timer.

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Recognise and Remove

A head impact by either a direct blow or indirect transmission of force can be associated with a serious and potentially fatal brain injury. If there are significant concerns, including any of the red flags listed in Box 1, then activation of emergency procedures and urgent transport to the nearest hospital should be arranged.

Key points

- Any athlete with suspected concussion should be REMOVED FROM PLAY, medically assessed and monitored for deterioration. No athlete diagnosed with concussion should be returned to play on the day of injury.
- If an athlete is suspected of having a concussion and medical personnel are not immediately available, the athlete should be referred to a medical facility for urgent assessment.
- Athletes with suspected concussion should not drink alcohol, use recreational drugs and should not drive a motor vehicle until cleared to do so by a medical professional.
- Concussion signs and symptoms evolve over time and it is important to consider repeat evaluation in the assessment of concussion.
- The diagnosis of a concussion is a clinical judgment, made by a medical professional. The SCAT5 should NOT be used by itself to make, or exclude, the diagnosis of concussion. An athlete may have a concussion even if their SCAT5 is "normal".

Remember:

- The basic principles of first aid (danger, response, airway, breathing, circulation) should be followed.
- Do not attempt to move the athlete (other than that required for airway management) unless trained to do so.
- Assessment for a spinal cord injury is a critical part of the initial on-field assessment.
- Do not remove a helmet or any other equipment unless trained to do so safely.

OFFICE OR OFF-FIELD ASSESSMENT

Please note that the neurocognitive assessment should be done in a distraction-free environment with the athlete in a resting state.

STEP 1: ATHLETE BACKGROUND

Sport / team / school:		
Date / time of injury:		
Years of education completed:		
Age:		
Gender: M / F / Other		
Dominant hand: left / neither / right		
How many diagnosed concussions has the athlete had in the past?:		
When was the most recent concussion?:		
How long was the recovery (time to being cleared to part of the most recent concussion?:	ılay)	(days)
Has the athlete ever been:		
Hospitalized for a head injury?	Yes	No
Diagnosed / treated for headache disorder or migraines?	Yes	No
Diagnosed with a learning disability / dyslexia?	Yes	No
Diagnosed with ADD / ADHD?	Yes	No
Diagnosed with depression, anxiety or other psychiatric disorder?	Yes	No
Current medications? If yes, please list:		
		

Name:	
OOB:	
Address:	
D number:	
Examiner:	
Date:	

STEP	2:	SYMPTOM	EVALUATION

The athlete should be given the symptom form and asked to read this instruction paragraph out loud then complete the symptom scale. For the baseline assessment, the athlete should rate his/her symptoms based on how he/she typically feels and for the post injury assessment the athlete should rate their symptoms at this point in time.

Please Check:

Baseline

Post-Injury

Please hand the form to the athlete

	notte	m	ild	mod			rere
Headache	0	1	2	3	4	5	6
"Pressure in head"	0	1	2	3	4	5	6
Neck Pain	0	1	2	3	4	5	6
Nausea or vomiting	Ð	1	2	3	4	5	6
Dizziness	ø	1	2	3	4	5	6
Blurred Vision	ō	1	2	3	4	5	6
Balance problems	0	1	2	3	4	5	6
Sensitivity to light	0	1	2	3	4	5	6
Sensitivity to noise	O	1	2	3	4	5	6
Feeling slowed down	٥	1	2	3	4	5	6
Feeling like "in a fog"	0	1	2	3	4	5	6
"Don't feel right"	O	1	2	3	4	5	6
Difficulty concentrating	0	1	2	3	4	5	6
Difficulty remembering	Ð	1_	2	3	4	5	6
Fatigue or low energy	0	7	2	3	4	5	5
Confusion	O	1	2	3	4	5	6
Drowsiness	0	1	2	3	4	5	6
More emotional	0	1	2	3	4	5	6
Irritability	O	1	2	3	4	5	6
Sadness	0	1	2	3	4	6	6
Nervous or Anxious	0	1	2	3	4	5	6
Trouble falling asleep (if applicable)	0	1	2	3	4	5	6
Total number of symptoms:							af 22
Symptom severity score:						0	132
Do your symptoms get worse	e with physic	al acti	vity?			Y 1	4
Do your symptoms get worse	e with menta	l activ	ity?			Y	4
If 100% is feeling perfectly n percent of normal do you fee							
If not 100%, why?							

Please hand form back to examiner

STEP 3: COGNITIVE SCREENING Standardised Assessment of Concussion (SAC)4 **ORIENTATION** What month is it? What is the date today? What is the day of the week? What year is it? What time is it right now? (within 1 hour) Orientation score IMMEDIATE MEMORY

The Immediate Memory component can be completed using the traditional 5-word per trial list or optionally using 10-words per trial to minimise any ceiling effect. All 3 trials must be administered irrespective of the number correct on the first trial. Administer at the rate of one word per second.

Please choose EITHER the 5 or 10 word list groups and circle the specific word list chosen for this test.

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. For Trials 2 & 3: I am going to repeat the same list again. Repeat back as many words as you can remember in any order, even if you said the word before.

List		Alto	mate 5 word	liete		S	ore (of 5	i)
Figr		Alte	IIIACE S WOIL	Hote		Trial 1	Trial 2	Trial :
Α	Finger	Penny	Blanket	Lemon	Insect			
В	Candle	Paper	Sugar	Sandwich	Wagon			
c	Baby	Monkey	Perfume	Sunset	Iron			
D	Elbow	Apple	Carpet	Saddle	Bubble			
E	Jacket	Arrow	Pepper	Cotton	Movie			
f	Dollar	Honey	Mirror	Saddle	Anchor			
			lmi	mediate Mem	ory Score			of 15
			Time that I	ast trial was c	ompleted			

			lm	mediate Men	ory Score			of 30
	Dollar	Honey	Mirror	Saddle	Anchor			
1	Jacket	Arrow	Pepper	Cotton	Movie			
	Elpow	Apple	Carpet	Saddle	Bubble			
н	Baby	Monkey	Perfume	Sunset	noni			
G	Candle	Paper	Sugar	Sandwich	Wagon			
_	Finger	Penny	Blanket	Lemon	Insect			
						Trial 1	Trial 2	Tria
List		Alter	nate 10 wor	lists				

Name.	
DOB:	
Address:	
ID number:	\times
Examiner:	
Date:	

CONCENTRATION

DIGITS BACKWARDS

Please circle the Digit list chosen (A, B, C, D, E, F). Administer at the rate of one digit per second reading DOWN the selected column.

I am 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.

Concentra	tion Number Lis	is (circle dile)			
List A	List 8	List C			
4-9-3	5-2-6	1-4-2	Υ	N	0
6-2-9	4-1-5	6-5-8	γ	N	1
3-8-1-4	1-7-9-5	6-8-3-1	γ	N	0
3-2-7-9	4-9-6-8	3~4~8~1	Y	N	1
6-2-9-7-1	4-8-5-2-7	4-9-1-5-3	Υ	N	۵
7-5-2-8-6	6-1-8-4-3	6-8-2-5-1	Y	N	1
7-1-8-4-6-2	8-3-1-9-6-4	3-7-6-5-1-9) Y /	N	0
5-3-9-1-4-8	7-2-4-8-5-6	9-2-6-5-1-4	Y	N	51/5
List D	ListE	List F			
7-8-2	3-8-2	2-7-1	Y	N	D
9-2-6	5-1-8	4-7-9	Y	N	1
4-1-8-8	2-7-9-3	1-6-8-3	Y	N	0
9-7-2-3	2-1-6-9	3-9-2-4	Y	N	1
1-7-9-2-6	4-1-8-6-9	2-4-7-5-8	Y	N	0
4-1-7-5-2	9-4-1-7-5	8-3-9-6-4	Y	N	1
2-6-4-8-1-7	6-9-7-3-8-2	5-8-5-2-4-9	Y	N	Ū
8-4-1-9-3-5	4-2-7-9-3-8	3-1-7-8-2-6	Υ.	N	-4
		Digits Score:			of 4

MONTHS IN REVERSE ORDER

Now tell me the months of the year in reverse order. Start with the last month and go backward. So you'll say December, November. Go ahead.

Dec - Nov - Oct - Sept - Aug - Jul - Jun - May - Apr - Mar - Feb - Jan Months Sc

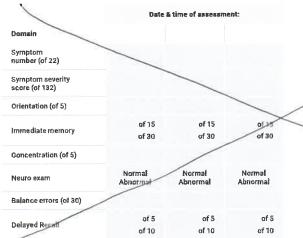
iul - Jun - May - Apr - Mar - Feb - Jan	0 1
Months Score	of 1
Concentration Total Score (Digits + Months)	of 5

STEP 4: NEUROLOGICAL SO	CREEN	
See the instruction sheet (page 7) for detaitest administration and scoring of the tests		
Can the patient read aloud (e.g. symptom check- list) and follow instructions without difficulty?	γ	N
Does the patient have a full range of pain- free PASSIVE cervical spine movement?	У	N
Without moving their head or neck, can the patient look side-to-side and up-and-down without double vision?	Υ	N
Can the patient perform the finger nose coordination test normally?	γ.	N
Can the patient perform tendem gait normally?		
TAL ANOT EVANUATION		N
BALANCE EXAMINATION Modified Balance Error Scoring System (ml	BESS) testing	
Modified Balance Error Scoring System (mil Which foot was tested (i.e. which is the non-domining foot)	D Left /	
Modified Balance Error Scoring System (ml Which foot was tested (i.e. which is the non-domining foot) Testing surface (hard floor, field, etc.)	D Left /	
Modified Balance Error Scoring System (ml Which foot was tested (i.e. which is the non-dominion foot) Testing surface (hard floor, field, etc.) Footwear (shoes, barefoot, braces, tape, 10.)	D Left /	
Modified Balance Error Scoring System (ml Which foot was tested (i.e. which is the non-domining foot) Testing surface (hard floor, field, etc.) Footwear (shoes, barefoot, braces, tape, hc.)	D Left D Right	
Modified Balance Error Scoring System (ml Whitch foot was tested (i.e. which is the non-dominion foot) Testing surface (hard floor, field, etc.) Footwear (shoes, barefoot, braces, tape, (c.) Condition Double leg stance	D Left D Right] ⁶
Modified Balance Error Scoring System (mi	D Left D Right	3 ⁵

Name:		
D08:		
Address:		
ID number:	\triangle	
Examiner:		
Date:		

CTED 5: NEI	AYED RECALL:	
		/
	should be performed a and of the Immediate Re	
pt. for each covect		/ 00010
	of words I read a few times ear	er? Tell me as many wo
from the list as you can re-	men ber in any order.	
	lime Starte	ed Line
	×	
Please record each word co	orrectly recorded. Total over equa	ils number of words recall
Please record each word co	orrectly recorded. Total to re equa	als number of words recall
Please record each word co	orrectly recorded. Total wore equa	als number of words recall
Please record each word co	prrectly remined. Total during equa	als number of words recall
Please record each word or		als number of words recall

STEP 6: DECISION



Date and time of injury:

If the athlete is known to you prior to their injury, are they different from their usual self?

Yes No Unsure Not Applicable

(If different, describe why in the clinical poles section)

Concussion Diagnosed?

Yes No Unsure Not Applicable

If resting, has the athlete improved?

Yes No Unsure Not Applicable

Imagination or licensed healthcare professional and I have personally administrated or supervised the administration of this SCAT5.

Signature:

Name:

Title:

Registration number (if applicable):

SCORING ON THE SCAT5 SHOULD NOT BE USED AS A STAND-ALONE METHOD TO DIAGNOSE CONCUSSION, MEASURE RECOVERY OR MAKE DECISIONS ABOUT AN ATHLETE'S READINESS TO RETURN TO COMPETITION AFTER CONCUSSION.

Date: