Sport Concussion Assessment Tool (SCAT)

FIFA	000		3	MIIHF	
	The SCA	T Card			
	(Sport Concussion A				
	Medical Ev	aluatio	n		
lame:			Date		
port/Team:			Mouth g	uard	? Y N
) SIGNS					
Vas there loss of	of consciousness or	unrespon	siveness?	Y	N
las there seizu	re or convulsive act	ivity?		Y	N
as there a bala	ance problem / unst	eadiness?		Y	N
MEMORY	cks questions (check	correct)			
t what venue a	re we?; Which h	alf is it? _	; Who sco	red l	ast?
Vhat team did v	ve play last?; Did	we win la	st game? _	_?	
SYMPTOM S	CORE				
	positive symptoms	(from reverse	side of the cer	d) =	
) COGNITIVE	ASSESSMENT				
			1807 W		00000
word recall	(Examples)	Immedi	ate L (after con	Delay	yed tion tax
Word 1	cat		taria. Soli		
Word 2	pen	-		-	
Word 3	shoe	-		-	~
Word 4	book	-		-	-
Word 5	car	a) de proces		*****	-
A CONTRACTOR OF STREET		Selection.		System	
Aonths in revers	se order: ar-Feb-Jan-Dec-Nov	-Oct-San	Aug. Iul.	urela i	nearrad
all-way-Api-wi	or		rug-sui (c	arue i	ricori go
Digits backward					
-2-8	3-9-1				
-2-9-4	4-3-7-1				
-3-2-7-9	1-4-9-3-6	-			
-3-9-1-4-2	5-1-8-4-6-8				
	200				
	Ask delayed 5-w	ord recall	now		
) NEUROLOGI	C SCREENING	D /	7.11		
		Pass	811		
peech					
ye Motion and	Pupils				
ronator Drift	70000 7 00000				
ait Assessmen	t	_ :			
Any neuro	logic screening abno neurologic or hosp			form	nal
) RETURN TO					
thletes should	i not be returned to	o play the	same day	ofi	njury
hen returning	athletes to play, the	y should fo	ollow a step	wise	9
ymptom-limited	program, with stag	es of prog	ression. Fo	ог ех	ample
1 rest in	ntil asymptomatic (p	hysical an	d mental re	(tee	2000

light aerobic exercise (e.g. stationary cycle)

full contact training after medical clearance return to competition (game play)

and the athlete should return to stage 1 if symptoms recur.

Resistance training should only be added in the later stages.

Medical clearance should be given before return to play.

There should be approximately 24 hours (or longer) for each stage

non-contact training drills (start light resistance training)

sport-specific exercise

Instructions:

This side of the card is for the use of medical doctors, physiotherapists or athletic therapists. In order to maximize the information gathered from the card, it is strongly suggested that all athletes participating in contact sports complete a baseline evaluation prior to the beginning of their competitive season. This card is a suggested guide only for sports concussion and is not meant to assess more severe forms of brain injury. Please give a COPY of this card to the athlete for their information and to guide follow-up assessment.

Signs:

Assess for each of these items and circle Y (yes) or N (no).

Memory: If needed, questions can be modified to make them specific to the sport (e.g. "period" versus "half")

Cognitive Assessment:

Select any 5 words (an example is given). Avoid choosing related words such as "dark" and "moon" which can be recalled by means of word association. Read each word at a rate of one word per second. The athlete should not be informed of the delayed testing of memory (to be done after the reverse months and/or digits). Choose a different set of words each time you perform a follow-up exam with the same candidate.

Ask the athlete to recite the months of the year in reverse order, starting with a random month. Do not start with December or January. Circle any months not recited in the correct sequence.

For digits backwards, if correct, go to the next string length. If incorrect, read trial 2. Stop after incorrect on both trials.

Neurologic Screening:

Trained medical personnel must administer this examination. These individuals might include medical doctors, physiotherapists or athletic therapists. Speech should be assessed for fluency and lack of slurring. Eye motion should reveal no diplopia in any of the 4 planes of movement (vertical, horizontal and both diagonal planes). The pronator drift is performed by asking the patient to hold both arms in front of them, palms up, with eyes closed. A positive test is pronating the forearm, dropping the arm, or drift away from midline. For gait assessment, ask the patient to walk away from you, turn and walk back.

Return to Play:

A structured, graded exertion protocol should be developed; individualized on the basis of sport, age and the concussion history of the athlete. Exercise or training should be commenced only after the athlete is clearly asymptomatic with physical and cognitive rest. Final decision for clearance to return to competition should ideally be made by a medical doctor.

For more information see the "Summary and Agreement Statement of the Second International Symposium on Concussion in Sport" in the April, 2005 Clinical Journal of Sport Medicine (vol 15), British Journal of Sports Medicine (vol 39), Neurosurgery (vol 59) and the Physician and Sportsmedicine (vol 33). ©2005 Concussion in Sport Group