

CONCUSSION in SPORT

Education Package for



Doctors AXON COGSTATE













The Axon Sports Computerized Cognitive Assessment Tool (CCAT)

- 8-10 minute neurocognitive online test that helps qualified Medical providers manage return-to-play decisions after an Athlete has sustained a concussion.
- The test measures multiple cognitive areas that are especially sensitive to concussions, including attention, processing speed, working memory, and learning.
- An initial "Baseline" test is taken before a concussion occurs -- typically in the preseason.
- The test is repeated after a head injury.
- The combination of the Baseline and After Injury test scores provides valuable information to the Medical Provider who is managing the Athlete's care and the return-to-play decision, reducing the risk of additional injury become complete recovery.



When you are ready to begin the Practice Test, please click on the Enter button to start.

The Practice Test is a shorter version of the actual test.

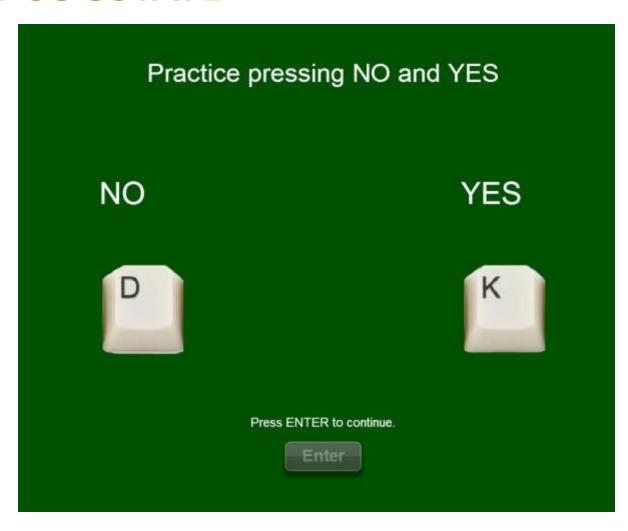
There will be a series of four tasks.

When taking the test, it is important to remember that you should be in a quiet room and free from distractions.

Please be sure you have the volume on your computer turned up to hear the sound indicators.

Enter









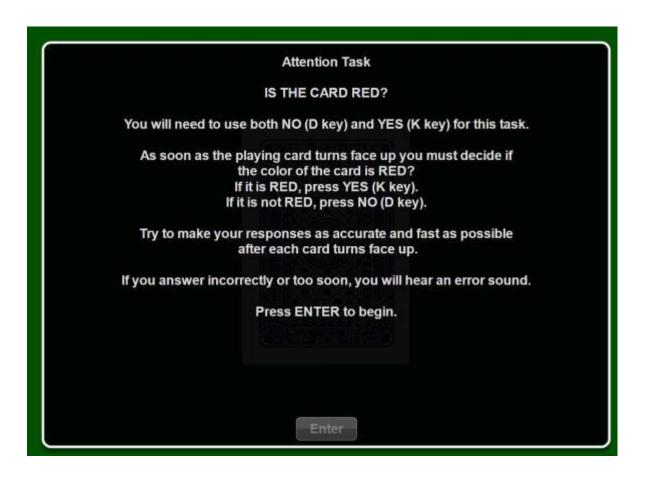






















Learning Task

HAVE YOU SEEN THIS CARD BEFORE?

You will need to use both NO (D key) and YES (K key) for this task.

As soon as the playing card turns face up you need to make a decision: If you HAVE seen the card before in this task, press YES (K key). If you HAVE NOT seen the card before in this task, press NO (D key).

Try to make your responses as accurate and fast as possible after each card turns face up.

If you answer incorrectly or too soon, you will hear an error sound.

BECAUSE THERE IS NO PRIOR CARD TO COMPARE TO THE FIRST CARD, THE CORRECT RESPONSE FOR THE FIRST CARD IS NO (D key).

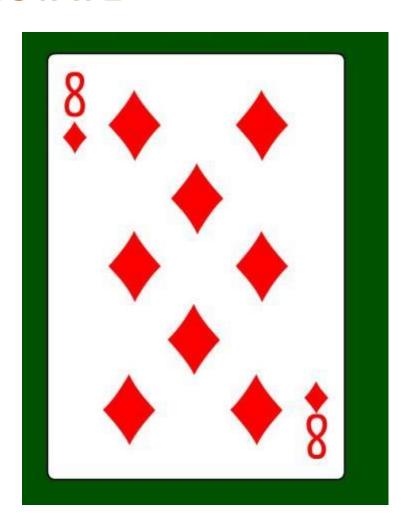
Press ENTER to begin.

Enter

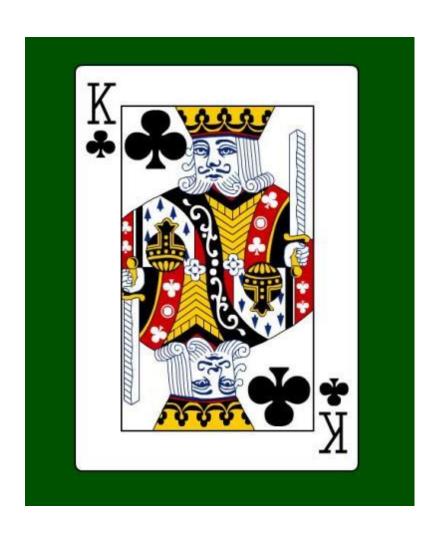














Working Memory Task

IS THE PREVIOUS CARD THE SAME?

You will need to use both NO (D key) and the YES (K key) for this task.

As soon as the playing card turns face up you must decide
if the card is EXACTLY the same as the previous card.

If it is an EXACT MATCH to the previous card, press YES (K key).

If it is NOT an EXACT MATCH to the previous card, press NO (D key).

Try to make your responses as accurate and fast as possible after each card turns face up.

If you answer incorrectly or too soon, you will hear an error sound.

BECAUSE THERE IS NO PRIOR CARD TO COMPARE TO THE FIRST CARD, THE CORRECT REPONSE FOR THE FIRST CARD is NO (D key).

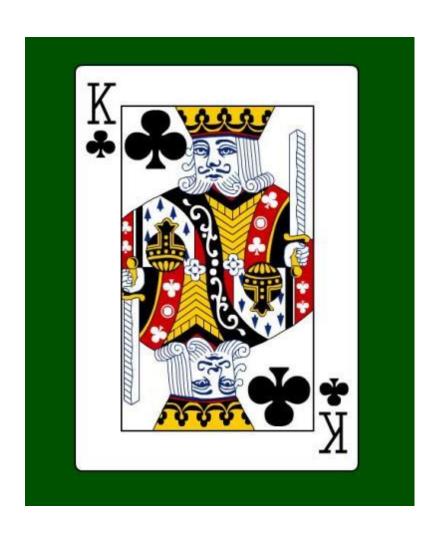
Press ENTER to begin.

Enter

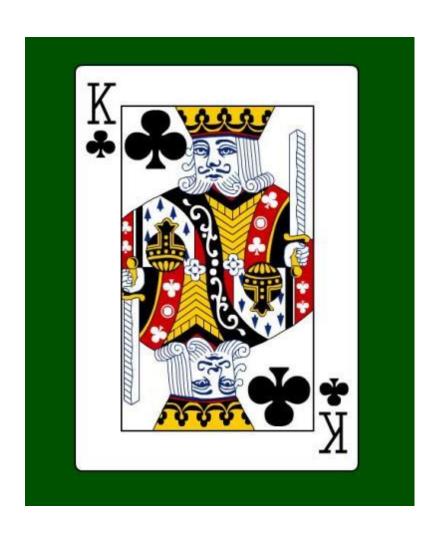
















Baseline Test Report

This is not a Medical Diagnosis. After injury reports should be interpreted only by a qualified Medical Provider and are intended solely to give the Provider additional information about an athlete's cognitive function.



Athlete Information

Name: Bradle: FOSTER Birth Year: 1989 25 Gender: Male Dominant Hand: Right Test Date: 10 Apr 2014 02:55 PM Test Time: Test Duration: 522 seconds Expiration Date*: 9 Apr 2015

Test ID: 1457

"White acceptable Baseline best results will be compared to After Injury tests, new Baseline tests are strongly recommended every year.

Integrity Checks

Processing Accuracy > 80% (97%)
Attention Accuracy > 80% (97%)
Learning Accuracy > 53% (63%)
W. Memory Accuracy > 53% (91%)
Processing Speed < Attention Speed
Processing Speed < W. Memory Speed

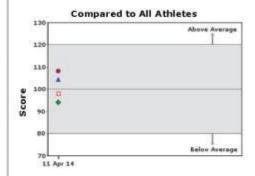
Nete: This is not a Medical Diagnosis. After Driving reports should be interpreted only by a qualified Medical Provider.

should be interpreted only by a qualified Nadical Provider and are intereded solels to give the theories additional information about an arthete's cognitive function. "Acceptable" means only that a fearing some on a particular test is statistically within normal sanges. It does not guarantee that the Computer test Cognitive Assessment Tool (COAT) results are an accurate measure of a particular atthlete's cognitive function. Many factors can influence the quality and validity of COAT results, including low mobilisation, districtions during test taking, amotions districts, lack of disease, set. A baseline test should be repeated if it is suspected that such factors may have impained the stating process.

	Task.	Score 10 Apr 2014	Acceptable
	Processing Speed	108.2	1
	Speed 1	263 ms	
	Apour acy 2	97.3%	
	Hitz 3	36	
	Missist *	1	
	Anticipations *	1	
*	Attention	104.8	1
	Spend 1	457 ma	
	Acouracy *	96.0%	
	H8 ₂ 3	30	
	Miss es *	1	
	Anticipations *	0	
•	Learning	94.6	1
	Speed 1	706 ms	
	Acquiracy ³	62.5%	
	Hits S	50	
	Miss es *	30	
	Asticipations *	Δ .	
	Working Nemory Speed	108.1	~
	Speed 1	544 mg	
	Working Memory Accuracy	98.9	1
	Accuracy 2	91.2%	
	HRs 3	31	
	Microso *	3	
	Anticipations *	D	
	Aligher value indicates a direce resp. Aligher value indicates a better resp. Aligher value indicates a better party Aligher value indicates a peomit party This hold is 160 standard deniates.	minor.	

Explanation

Acceptable Baseline. Please send a copy of these results to your qualified Medical Provider for their records. A new Baseline test is recommended every year.



Warming Taking this test will not prevent head injury. For more information or test reports and their measures, will a very accompanies on. Trausmattic brain injury and consistence are very serious excelled an adult of the case of a qualified Next and Previolent. Only a qualified Next and excelled next an adult of the case of a qualified Next and adult of the case

Questions? If you have questions regarding this test, please feel to free to contact us customerservice@avenoports.com. You can also call us at 1,877,395,2766 between 6 am and 8 pm CST. Please be advised that our customer service representatives are not authorized nor able to provide medical council or advice of any kind. Such issues should be discussed with a qualified Medical Provide.



Questions?





Assessment

