CRS-R COMA RECOVERY SCALE-REVISED ©2004

Administration and Scoring Guidelines

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JFK COMA RECOVERY SCALE ©2004

Record Form

This form should only be used in association with the "CRS-R ADMINISTRATION AND SCORING GUIDELINES" which provide instructions for standardized administration of the scale.

Patient:	Diagnosis:									
Date of onset:	Date	e of Ad	miss	ion:						
Date										
Assessment		1		2		3		4		5
AUDITORY FUNCTION SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
4 – Consistent Movement to Command■										
3 – Reproducible Movement to Command •										
2 – Localization to Sound										
1 – Auditory Startle										
0 – None										
VISUAL FUNCTION SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
5 – Object Recognition■										
4 – Object localization: Reaching*										
3 – Visual Pursuit*										
2 – Fixation*										
1 – Visual Startle										
0 – None										
MOTOR FUNCTION SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
6 – Functional Object Use†										
5 – Automatic Motor Response*										
4 – Object Manipulation*										
3 – Localisation to Noxious Stimulation*										
2 – Flexion Withdrawal										
1 – Abnormal Posturing										
0 – None										
OROMOTOR/VERBAL FUNCTION SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
3 – Intelligible Verbalization■										
2 – Vocalization/Oral Movement										
1 – Oral Reflexive Movement										
0 – None										
COMMUNICATION SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
2 – Functional: Accurate†										
1 – Non-functional: Intentional										
0 – None										
AROUSAL SCALE	#	TCC	#	TCC	#	TCC	#	TCC	#	TCC
3 – Attention										
2 – Eye Opening w/o Stimulation										
1 – Eye Opening with Stimulation										
0 – Unarousable										
TOTAL SCORE										

TCC Test Completion Code

^{*} Denotes Minimally Conscious State Minus (MCS-)

Denotes Minimally Conscious State Plus (MCS+)
 † Denotes emergence from Minimally Conscious State (eMCS)

BRAIN STEM REFLEX GRID ©2004

Administer daily during the acute phase, then weekly

	Б. (
Mark all that	Date					
apply	Assessment	1	2	3	4	5
Pupils	Nonreactive: pupils do not constrict in response to light and do not dilate in the dark					
	Absent					
Corneal Reflex	Present in one or both eyes					
	No spontaneous or elicited eye movement Skew or Conjugate Gaze Deviation: At rest, one or both eyes are					
Eye Position and Movement	either positioned up or to the left/right, rather than midline Dysconjugate Gaze:					
	eyes do not move together in the same direction					
	Roving: slow, conjugate, lateral, back and forth eye movements					
	NI					
	None: eyes move in the same direction as head or stay fixed at midline					
Oculocephalic Reflex	Abnormal: response is present but sluggish or unilateral					
	Normal: eyes move in the direction opposite the head					
Dootyral						
Postural Responses	Abnormal Extension					
(Indicate limb)	Abnormal Flexion					

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Notes:

AROUSAL FACILITATION PROTOCOL (AFP) ©2004

GUIDELINES

- 1) The goal of this intervention is to prolong the length of time the patient maintains arousal (i.e. eye opening)
- 2) The protocol is administered any time the patient is observed to:
 - Exhibit sustained eyelid closure AND/OR
 - Stops following commands for a period of at least one minute
- 3) Readminister the arousal facilitation protocol when
 - Sustained eye closure re-occurs **OR**
 - Behavioral responsiveness ceases despite sustained eye opening

INTERVENTIONS

Deep Pressure:

- 1) Present deep pressure stimulation unilaterally to the face, neck, shoulder, and sternocleidomastoid muscles. The muscle should be firmly grasped at its base between the thumb and forefinger. While squeezing the muscle firmly, it should be "rolled" back and forth through the fingertips three to four times. This procedure should be repeated sequentially working from the facial musculature to the sternocleidomastoid. The examiner should assure that there are no intravenous lines, local injuries (e.g. fractures, contusions, decubiti) or systemic complications (e.g. heterotopic ossification) before administering deep pressure.
- 2) Administer same on contralateral side.

AUDITORY FUNCTION SCALE ©2004

1. Observe frequency of spontaneous movement for a one minute interval (See Baseline Observation and Command Following Protocol on page 7) 2. Choose at least 1 object-related and 1 non-object related command from the Command Following Protocol. The type of command chosen (eye, limb, oral) should be based on patient's physical capacity and should be of low spontaneous frequency. If at least 2 out of four commands are passed, and time permits, an additional command may be attempted. The commands respent 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view. Ask the patient to look at the object named (i.e. 'Look at the [name object]'). Next, reverse the positions of the 2 objects and ask the patient to look at the other object no both trials. Two trials per object should be administered for a total of 4 trials. 5. Diject-Related Limb Movement Command: Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object on both trials. Two trials per object should be administered for a total of 4 trials. 5. Diject-Related Limb Movement Command: Fresent 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the same object again. Administer two additional trials using the same two objects and repeat the above procedure with instruction to touch the other object on both trials. Two trials per object related or one of each). 5. Non-Object Related Commands: Select at least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same command should be used for all 4 trials. 6. Non-Object Related Commands: Select at least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same commands (e.g., 2 trials of a p	Score	Item	Method	Response
object related command from the Command Following Protocol. The type of command chosen (eye, limb, oral) should be based on patient's physical capacity and should be of low spontaneous frequency. If at least 2 out of four commands are passed, and time permits, an additional command may be attempted. The command should be repeated once during the 10 second response interval. a. Object-Related Eye Movement Commands: Fresent 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view. Ask the patient to look at the object named (i.e. 'Look at the [name object]'). Next, reverse the positions of the 2 objects and ask the patient to look at the same object again (i.e. 'Look at the [name object]'). Administer two additional trials using the same two trials. Two trials per object should be administered for a total of 4 trials. b. Object-Related Limb Movement Command: Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the other object on both trials. Two trials per object should be administered for a total of four trials. This command may also be attempted using head movement. c. Non-Object Related Commands: Select at least 1 eye movement, limb movement or oral m			1.Observe frequency of spontaneous movement for a one minute interval (See Baseline Observation and Command Following	
Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view. Ask the patient to look at the object named (i.e. 'Look at the [name object]'). Next, reverse the positions of the 2 objects and ask the patient to look at the same object again (i.e. 'Look at the [name object]'). Administer two additional trials using the same 2 objects and repeat the above procedure with instruction to look at the other object on both trials. Two trials per object should be administered for a total of 4 trials. b. Object-Related Limb Movement Command: Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the same object again. Administer two additional trials using the same two objects and repeat the above procedure with instruction to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient to touch the other object and ask the patient of the other object and the other object and the other object and the other object and the othe			object related command from the Command Following Protocol . The type of command chosen (eye, limb, oral) should be based on patient's physical capacity and should be of low spontaneous frequency. If at least 2 out of four commands are passed, and time permits, an additional command may be attempted. The command should be repeated once during the 10	
Administer two additional trials using the same 2 places and repeat the above procedure with instruction to look at the other object on both trials. Two trials per object should be administered for a total of 4 trials. b. Object-Related Limb Movement Command: Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the same object again. Administer two additional trials using the same two objects and repeat the above procedure with instruction to touch the other object on both trials. Two trials per object should be administered for a total of four trials. This command may also be attempted using head movement. c. Non-Object Related Commands: Select at least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same command should be used for all 4 trials. Movements that occur between commands (i.e. after the response interval has elapsed) should			Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view. Ask the patient to look at the object named (i.e. 'Look at the [name object]'). Next, reverse the positions of the 2 objects and ask the patient to look at the same object again (i.e.	accurate responses occur within 10 seconds on all 4 trials administered This item is credited only
b. Object-Related Limb Movement Command: Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the same object again. Administer two additional trials using the same two objects and repeat the above procedure with instruction to touch the other object on both trials. Two trials per object should be administered for a total of four trials. This command may also be attempted using head movement. c. Non-Object Related Commands: Select at least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same command should be used for all 4 trials. Movements that occur between commands (i.e. after the response interval has elapsed) should	4	Movement to	objects and repeat the above procedure with instruction to look at the other object on both trials. Two trials per object should be	passed. When more than one type of command from each
least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same command should be used for all 4 trials. Movements that occur between commands (i.e. after the response interval has elapsed) should			Present 2 common objects simultaneously and approximately 16 inches apart within the patient's field of view and within arm's (or leg's) length and ask the patient to touch the object named with their hand (or foot). Next, reverse the positions of the 2 objects and ask the patient to touch the same object again. Administer two additional trials using the same two objects and repeat the above procedure with instruction to touch the other object on both trials. Two trials per object should be administered for a total of four trials. This command may also be attempted using	scoring is based on successfully completing all 4 trials of any two different commands (e.g., 2 object-related, 2 non- object related or one of
			least 1 eye movement, limb movement or oral movement/vocalization command and present it over 4 trials at 15 second intervals. The same command should be used for all 4 trials. Movements that occur between commands (i.e. after the response interval has elapsed) should	

AUDITORY FUNCTION SCALE ©2004

Score	Item	Method	Response
3	Reproducible Movement to Command	Same as the Consistent Movement to Command item	3 clearly discernible and accurate responses occur over the 4 trials on any one of the object or non-object related commands.
2	Localisation to Sound	Standing behind the patient and out of view, present an auditory stimulus (e.g. patient's name, voice, noise) from the right side for 5 seconds. Perform a second trial presenting the auditory stimulus from the left side. Repeat above procedure for a total of 4 trials, 2 on each side. If needed, reorient the head to midline between trials.	Head and/or eyes orient toward the location of the stimulus on both trials in at least one direction (ie, twice to the left) within 10 seconds of stimulus presentation. This item is scored when there is clear evidence of head and/or eye movement. It is not dependent on the degree or duration of movement.
1	Auditory startle	Present a loud noise (eg, whistle, clap) directly above the patient's head and out of view. Administer 4 trials.	Eyelid flutter or blink occurs immediately following the stimulus on at least 2 trials. If the eyes are closed, a shoulder shrug or other body startle response can be scored.
0	None	See above	No response to any of the above.

BASELINE OBSERVATION AND COMMAND FOLLOWING PROTOCOL ©2004

Baseline Observations of Spontaneous Behaviours and Resting Posture			
RUE:	LUE:		
RLE:	LLE:		
	RUE:	RUE: LUE:	

Commands	Trial 1	Trial 2	Trial 3	Trial 4		
Object Related Commands: Eye	Movement					
Look at the (object #1, object #2)						
Object Related Commands: Lim	Object Related Commands: Limb Movement					
Take the (object #1, object #2)						
Kick the (object #1, object #2)						
Non-Object Related Commands	: Eye Movement					
Look away from me						
Look up (at ceiling)						
Look down (<i>at floor</i>)						
Non-Object Related Commands	: Limb Movemer	nt				
Touch my hand						
Touch your nose						
Move your (body part)						
Non-Object Related Commands	: Oral Movemen	t/Vocalization				
Stick out your tongue						
Open your mouth						
Close your mouth						
Say 'ah'						
Related Commands: Oral Movement/Vocalization						
Other Command 1:						
Other Command 2:						

Notes:

VISUAL FUNCTION SCALE ©2004

Same as Consistent Movement to Command on Auditory Function Scale, Section 2a and b (see page 5.) Same as Consistent Movement to Command on Auditory Function Scale, Section 2a and b (see page 5.) 1. Identify the arm or leg with the greatest range of movement. 2. For upper extremity reaching, select common objects (e.g. comb, toothbrush, etc.) For lower extremity assessment, select a ball suitable for kicking. 3. Present the object approximately 8 inches to the left or right of the limb's resting position. The object should be placed in a position that is not obstructed from view. The patient should be instructed to Touch the [name object] with the appropriate arm or leg. 4. The command may be repeated once within the assessment interval. Do not provide any tactilic cues, as these may stimulate random limb movement. 5. Present an object twice to the left of the limb and twice to the right of the limb in random order for a total of 4 trials	Score	Item	Method	Response
with the greatest range of movement. 2. For upper extremity reaching, select common objects (e.g. comb, toothbrush, etc.) For lower extremity assessment, select a ball suitable for kicking. 3. Present the object approximately 8 inches to the left or right of the limb's resting position. The object should be placed in a position that is not obstructed from view. The patient should be instructed to 'Touch the [name object]' with the appropriate arm or leg. 4. The command may be repeated once within the assessment interval. Do not provide any tactile cues, as these may stimulate random limb movement. 5. Present an object twice to the left of the limb and twice to the right of the limb and twice to the right of the limb in random order for a total of 4 trials	•	Object Recognition	Movement to Command on Auditory Function Scale, Section 2a and b (see	If the Auditory Function score was >2 AND the command used was object-related, score 5 for the Visual Function Scale. If an object-related command was not administered, administer the Object Recognition item. If the Auditory Function score was < 3 AND the command used was object-related, continue with the
Continued	4		with the greatest range of movement. 2. For upper extremity reaching, select common objects (e.g. comb, toothbrush, etc.) For lower extremity assessment, select a ball suitable for kicking. 3. Present the object approximately 8 inches to the left or right of the limb's resting position. The object should be placed in a position that is not obstructed from view. The patient should be instructed to 'Touch the [name object]' with the appropriate arm or leg. 4. The command may be repeated once within the assessment interval. Do not provide any tactile cues, as these may stimulate random limb movement. 5. Present an object twice to the left of the limb and twice to the right of the limb in random order for a	Score the direction in which the limb first moves within a 10 second observation period, or score as no movement. The limb does not need to make contact with the object, only to move toward it; and Movement must occur in the correct direction in 3 of the 4

VISUAL FUNCTION SCALE ©2004

Score	Item	Method	Response
		Hold a mirror 4-6 inches directly in front of the patient's face and verbally encourage the patient to fixate on the mirror.	
2	3 Visual Pursuit	Tilt the mirror slowly 45 degrees to the right and left of the vertical midline and 45 degrees above and below the horizontal	Eyes must follow the mirror for 45 degrees without loss of fixation on 2 occasions in any direction.
	visual i disuit	midline.	If visual pursuit is not scored, the procedure may be repeated
		Repeat the above procedure so that a total of 2 trials are administered in each hemispace (ie twice up, twice down, twice left and twice right).	assessing one eye at a time (using an eye patch).
2	Fixation	Present a brightly colored or illuminated object 6 to 8 inches in front of the patient's face and then rapidly move to upper, lower, right and left visual fields, respectively for a total of 4 trials.	Eyes change from initial fixation point and refixate on the new target location for more than 2 seconds. At least 2 episodes of fixation are required.
1	Visual Startle	Present visual threat by passing finger 1 inch in front of patient's eye. Be careful not to touch eyelashes or create a breeze (manually open eyes if necessary). Conduct 4 trials per eye.	Eyelid flutter or blink following presentation of visual threat on at least 2 trials with either eye.
0	None	See above	No response to any of the above

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Updated 2020

MOTOR FUNCTION SCALE ©2004

Score	Item	Method	Response	
6	Functional Object Use	Select 2 common objects (e.g. comb, cup). Place one of the objects in the patient's hand and instruct the patient to 'Show me how to use a [name object]'. Next, place the second object in the patient's hand and restate the same instruction.	Movements executed are generally compatible with both objects' specific function (e.g. comb is placed on or near the head) on all 4 trials administered. If the patient is unable to hold the object because of	
		Repeat the above procedure using the same objects so that a total of 2 trials are administered with each object.	neuromuscular involvement, this should be noted on the record form and the item should not be scored.	
		Observe for automatic motor behaviors patterns such as nose scratching, grasping bedrail, crossing legs, grabbing tubes, that occur spontaneously during the examination.	At least 2 episodes of automatic motor behavior are observed within the session and each episode can be clearly differentiated	
		If spontaneous automatic motor behaviors are not observed, present a familiar gesture (e.g. wave) in association with the following series of alternating commands: 1) 'Show me how to wave' (demonstrate)	from a reflexive response.	
5	Automatic Motor Response	gesture) 2) 'I'm going to wave again. Do not move at all. Just hold still' (demonstrate gesture) 3) 'Show me how to wave' (demonstrate gesture) 4) 'I'm going to wave again. Do not move at all. Just hold still' (demonstrate gesture)	Patient performs the gesture (e.g. waves) or oromotor pattern on <i>Trials 2 and 4</i> (regardless of performance on trials 1 and 3).	
		For patients with limited ability to move their limbs, objects associated with oromotor activity may be used (e.g. spoon). Place the object in front of the patient's mouth without making contact . Administer the following series of commands:		
		 'Show me how to use [name object]' 'I am going to show you [name object] again. Do not move at all. Just hold still'. 'Show me how to use [name object]' 'I am going to show you [name object] again. Do not move at all. Just hold still'. 		
Continued				

MOTOR FUNCTION SCALE ©2004

Score	Item	Method	Response
4	Object Manipulation	Place a baseball size ball on the dorsal surface of one of the patient's hands. Roll the ball across the index finger and thumb without touching the undersurface of the hand or fingers. While moving the ball, instruct the patient to "Take the ball".	The following criteria must be met on 3 of the 4 trials administered: 1. The wrist must rotate and the fingers should extend as the object is moved along the dorsal surface of the hand; and
		Repeat the above for a total of 4 trials.	2. The object must be grasped and held for a minimum of 5 seconds. The object cannot be held by means of a grasp reflex or increased finger flexor tone.
3	Localization to Noxious Stimulation	Extend all four extremities. Apply pressure to the finger or toe of an extremity (use best extremity on each side of the body) for a minimum of 5 seconds (i.e. squeeze the finger or toe between your thumb and index finger). Administer 2 trials on each side for a total of 4 trials.	The non-stimulated limb must locate and make contact with the stimulated body part at the point of stimulation or with the examiner's hand on at least 2 of the 4 trials.
2	Flexion withdrawal	Extend all 4 extremities. Apply deep pressure to nailbeds of each extremity (i.e. press the ridge of a pencil into the cuticle). Administer 1 trial per extremity.	There is isolated flexion withdrawal of at least one limb. The limb must move away from the point of stimulation. If quality of response is uncertain, the trial may be repeated.
1	Abnormal Posturing	Observe response to above method	Slow, stereotyped flexion or extension of the upper and/or lower extremities occurs immediately after the stimulus is applied.
0	None	Observe response to method above	There is no discernible movement following application of noxious stimulation, secondary to hypertonic or flaccid muscle tone.

OROMOTOR/VERBAL FUNCTION SCALE ©2004

Score	Item	Method	Response
		1. Tell patient: 'I would like to hear your voice'. This should be followed by an attempt to directly elicit speech using the verbal prompts shown below. At least one prompt should be selected from the Aural Set and at least one from the Visual Set. A maximum of 4 prompts can be administered.	Each of the following criteria must be met: 1. Each verbalization must consist of at least one consonant-vowel-consonant (C-V-C) triad. For example, 'ma' would not be acceptable, but 'mom' would. Make sure objects chosen have a C-V-C sequence;
3	Intelligible verbalization	2. A maximum of 3 trials should be administered for each prompt chosen from the Aural and Visual Sets. Prompts should be administered at 10 second intervals. Aural Set: a) 'Your name is' b) 'You live in' c) 'Count to five. One, two, three,,' Visual Set: a) 'This is a ' (Hold up a common	and 2.Two different words must be documented by the examiner to ensure that a repetitive word-like sound is not mistaken for a word. Words need not be appropriate or accurate for the context, but must be fully intelligible; and 3.Words produced by writing or
		object in front of the patient's right and then left visual field for 10 seconds). b) 'I'm holding up fingers' (Hold up 4 or 5 fingers in front of the right and then left visual field for 10 seconds). c) 'This is a' (Point to your nose while positioned at the patient's visual midline).	Verbalisations that occur spontaneously or at other times during the assessment and meet the above criteria should also receive a score of 3.
2	Vocalization/ Oral movement	Observe for non-reflexive oral movements, spontaneous vocalizations or vocalizations that occur during administration of vocalization commands (see page 5)	At least 1 episode of non- reflexive oral movement (i.e., suggesting an attempt to speak, mouth opening other than yawning, lip licking, or any other oral movement that cannot be accounted for by reflexes) and/or vocalization occurs spontaneously or in response to application of sensory stimulation
			Yawning is scored as reflexive oral movement.
1	Oral reflexive movement	Present tongue blade between patient's lips and/or teeth	There is clamping of jaws, tongue pumping or chewing movement spontaneously or following introduction of tongue blade into mouth.
0	None	See above	No response to any of the above.

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COMMUNICATION SCALE ©2004

Administer only if a score of 3 or 4 is achieved on the auditory subscale, a score of 3 is achieved on the Verbal/Oromotor Scale, or there is evidence of spontaneous communication (e.g., gestural or verbal yes/no responses during the exam).

Score	Item	Method	Response
2	Functional: Accurate	Administer the 6 Situational Orientation questions from the Communication Assessment Protocol (page 12). The examiner may use the Visual Set, Auditory set or both sets, if appropriate. Repeat the question once within 10 seconds.	Clearly discernible and accurate responses (e.g head nods/shakes, thumbs up) occur within 10 seconds on all 6 of the Visual or Auditory Situational Orientation questions from the Communication Assessment Protocol (see page 14)
1	Non-functional: Intentional	Same as above	A clearly discernible communicative response*(e.g head nods/shakes, thumbs up) must occur within 10 seconds on at least 2 of the 6 Situational Orientation questions of either set (irrespective of accuracy).
0	None	See above	No discernible verbal or non-verbal communication responses occur at any time.

COMMUNICATION ASSESSMENT PROTOCOL ©2004

Situational Orientation		
Visually Based	Aurally Based	
Am I touching my ear right now?	Am I clapping my hands right now?	
(touch nose)	(do not clap)	
Am I touching my nose right now?	Am I clapping my hands right now?	
(touch nose)	(clap)	
Am I touching my ear right now?	Am I touching my ear right now? Am I clapping my hands right now?	
(touch ear)	(clap)	
Am I touching my ear right now?	Am I touching my ear right now? Am I clapping my hands right now?	
(touch nose)	(do not clap)	
Am I touching my nose right now?	Am I clapping my hands right now?	
(touch ear)	(clap)	
Am I touching my ear right now?	Am I clapping my hands right now?	
(touch ear)	(do not clap)	

AROUSAL SCALE ©2004

Score	Item	Method	Response
3	Attention	Observe consistency of behavioral responses following verbal or gestural prompts	There are no more than 3 occasions across the duration of the evaluation in which the patient fails to respond to a verbal or gestural prompt.
2	Eye opening w/o Stimulation	Observe status of the eyelids across length of assessment	Eyes remain open across the length of the examination without the need for tactile, pressure or noxious stimulation
1	Eye opening with stimulation	Same as above	Tactile, pressure or noxious stimulation must be applied at least once during the examination in order for the patient to sustain eye opening (the length of time the eyes remain open may vary and is not considered in the scoring)
0	Unarousable	See above	No eye opening noted. Note, if the eyes do not open but MCS behaviors are scored, the Arousal subscale is scored as "not testable"

ASSESSMENT OF CONTINGENT BEHAVIOR ©2004 (Supplementary Item)

Score	ltem	Method	Response
Not scored	Contingent Vocalization/ Gesture/ Affective Response	 Vocalizations, gestures and affective responses are assessed through a combination of reports from family and clinicians, and direct observations from treating staff. Family and clinical staff should be questioned about any vocalizations, gestures or affective responses (i.e., (smiling, laughing, frowning, crying) that are observed to occur spontaneously or in response to a specific stimulus. If above response is based on report, staff should attempt to directly elicit the behavior again with the assistance of the individual who reported it. If affective responses are observed during direct examination, the examiner should attempt to re-elicit the behavior using the same eliciting stimulus previously noted to produce the behavior. Examples of appropriate eliciting stimuli include verbal requests ('What's your name?'), limb gestures (waves), facial gestures (sticking out tongue) and pictures (family photos). The examiner should document: The nature of the eliciting stimulus (e.g. Verbal: 'Are you feeling sad?', Limb gesture: handshake); Specific characteristics of the behavioral response (e.g. facial grimace with tearing of the eyes, smiling, moaning); Number of times the behavior has been observed to occur within 10 seconds of the eliciting stimulus; Number of times the behavior has been observed to occur spontaneously; The time frame allowed for 'c' and 'd' should be specified and approximately the same. 	A vocalization, gesture or affective response occurs significantly more often in response to a specific eliciting stimulus, than when the stimulus is absent. Contingent responses do not include those that occur following administration of noxious stimuli.

Test Completion Codes (TCC)

A TCC should be assigned to each CSR-R subscale to indicate the validity of the subscale score.

Test Completion Codes				
1	test completed in full - results valid			
Test attempted, not completed due to:				
2.1	impaired sensory function (cortical or peripheral)			
2.2	aphasia			
2.3	physical injury (e.g., fracture, brachial plexus, hemiparesis)			
2.4	primary language barrier			
2.5	illness/medical instability			
2.6	examiner error			
2.7	logistical reasons			
2.8	other (specify):			
Test not a	Test not attempted due to:			
3.1	impaired sensory function (cortical or peripheral)			
3.2	aphasia			
3.3	physical injury (e.g., fracture, brachial plexus, hemiparesis)			
3.4	primary language barrier			
3.5	illness/medical instability			
3.6	examiner error			
3.7	logistical reasons			
3.8	other (specify):			