







## HEAD TRAUMA

### THE SMALL ANIMAL COMA SCALE FOR EVALUATING HEAD TRAUMA VICTIMS

CATEGORY/DESCRIPTION	SCORE
<b>MOTOR ACTIVITY</b>	
Normal gait; normal spinal reflexes	6
Hemiparesis. Tetraparesis or decerebrate activity	5
Recumbent; intermittent extensor rigidity	4
Recumbent; constant extensor rigidity	3
Recumbent; constant extensor rigidity with opisthotonus	2
Recumbent; hypotonia, depressed or absent spinal reflexes	1
<b>BRAIN STEM REFLEXES</b>	
Normal PLR and oculocephalic reflexes	6
Slow PLR, normal to reduced oculocephalic reflexes	5
Bilateral unresponsive miosis; normal to reduced oculocephalic reflexes	4
Pinpoint pupils; reduced to absent oculocephalic reflexes	3
Unilateral, unresponsive mydriasis; reduced to absent oculocephalic reflexes	2
Bilateral unresponsive mydriasis; reduced to absent oculocephalic reflexes	1
<b>LEVEL OF CONSCIOUSNESS</b>	
Occasional periods of alertness and response to environment	6
Depression or delirium; capable of responding to environment	5
Semicomatose; responsive to visual stimuli	4
Semicomatose; responsive to auditory stimuli	3
Semicomatose; responsive to noxious stimuli	2
Comatose; unresponsive to repeated noxious stimuli	1

#### **Total score                      Likely prognosis**

3-8	Grave
9-14	Poor to guarded
15-18	Good

	Pupil Size	Reactivity	Prognosis
	Normal (midrange)	Normal	Good
	Bilateral Miosis	Poor to Non-responsive	Guarded (variable, depending on other signs)
	Unilateral Mydriasis	Poor to Non-responsive (mydriatic side)	Guarded to Poor
	Unilateral Mydriasis with Ventrolateral Strabismus	Poor to Non-responsive (mydriatic side)	Guarded to Poor
	Normal (midrange)	Non-responsive	Poor to Grave
	Bilateral Mydriasis	Poor to Non-responsive	Poor to Grave