

On-Line Table 1: Epidemiologic characteristics and imaging features of patients with brain stem traumatic lesions detected by MR and their relation to outcome and disability

	Outcome (GOSE)			Disability (Barthel Index <95)		
	Good (n = 17)	Poor (n = 34)	P	No (n = 24)	Yes (n = 27)	P
Epidemiologic characteristics						
Age, median (IQR)	23 (20–36)	30 (22–42)	>.05	24 (21–34)	31 (23–46)	>.05
Male (%)	11 (64)	27 (79)	>.05	17 (70)	21 (78)	
mGCS grade, median (IQR)	3 (1–4)	2 (1–4)	>.05	3 (1–4)	2 (1–3)	>.05
Shock, n (%)	5 (29)	9 (27)	>.05	7 (29)	7 (26)	>.05
Pupillary abnormality, n (%)	4 (24)	12 (35)	>.05	5 (21)	11 (40)	>.05
MR Characteristics						
Hemorrhagic	6 (35)	26 (77)	<.05	12 (50)	20 (74)	>.05
Bilateral	0	13 (38)	<.05	3 (13)	10 (37)	<.05
Posterior	4 (24)	23 (68)	<.01	8 (33)	19 (70)	<.01

Note:—mGCS indicates motor Glasgow Coma Scale.

On-Line Table 2: Relationship between MRI findings and poor outcome (GOSE) in 51 patients with brain stem injuries after severe head trauma

MRI Findings	Poor Outcome		P Value	OR (95% CI)	S	Sp	PPV	+LR	AUC
	Present n (%)	Absent n (%)							
Hemorrhagic	26 (81%)	8 (42%)	<.05	5.9 (1.6–22)	75	64	82	2.17	0.71
Bilateral	13 (100%)	21 (55%)	<.05	–	38	100	100	–	0.69
Posterior	23 (85%)	11 (46%)	<.05	6.8 (1.8–25)	68	76	85	2.88	0.72
Posterior + hemorrhagic	19 (91%)	15 (50%)	<.01	9.5 (1.8–48)	56	88	90	4.8	0.72
Posterior + hemorrhagic or bilateral	24 (92%)	10 (49%)	<.01	18 (3.5–93)	71	88	92	6	0.79

Note:—+LR = positive likelihood ratio; S, sensitivity; Sp, specificity.

On-Line Table 3: Relationship between MRI findings and presence of disability (Barthel Index <95) in 51 patients with brain stem injuries after severe head trauma

MRI Findings	Disability		P Value	OR (95% CI)	S	Sp	PPV	+LR	AUC
	Present n (%)	Absent n (%)							
Hemorrhagic	20 (63%)	7 (37%)	>.05	2.9 (0.8–9.2)	74	50	62	1.5	0.65
Bilateral	10 (77%)	17 (44%)	<.05	4.1 (1.1–17)	37	87	76	3	0.62
Posterior	19 (70%)	8 (33%)	<.01	4.8 (1.4–16)	70	66	70	2	0.69
Posterior + hemorrhagic	15 (71%)	12 (40%)	<.05	3.8 (1.1–12)	55	75	71	2.2	0.65

Note:—+LR = positive likelihood ratio; S, sensitivity; Sp, specificity.