

Study	Design prospective study	n	Age, y mean (SD) median* [min-max]	GCS	Biomarkers in serum	Assay technique (unit)	Cutoff	Sampling time	Biomarkers mean median*	Results				
										SE (%) [95% CI]	SP (%) [95% CI]	AUC ROC [95% CI]		
Papa 2016 [49]	Monocentric cohort. 4 years.	584	40 (16) [18-83]	G9-12: 7 G13: 3 G14 :40 G15 : 534	GFAP	ELISA (ng/mL)	/	<4h + kinetics (19 points) until 180h	CT+: 0.59* CT-: 0.03*	n=412 CT	/	/	0.84 [0.75 to 0.92]	
					UCH-L1				CT+: 0.32* CT- : 0.25*				/	/
Papa 2012 [50]	Multicentric cohort.	108 TBI 199 no TBI	39 (15) 37 (14)	G9-12: 11 G13-15: 296	GFAP-BDP	ELISA (ng/mL)	0.035	<4h	CT+: higher CT-: lower	n=117 CT	97 [82 to 100]	18 [11 to 28]	0.79 [0.69 to 0.89]	
Papa 2012 [51]	Multicentric cohort.	96 TBI 199 no TBI	39 (15) 37(14)	G9-12: 10 G13-15: 285	UCH-L1	ELISA (ng/mL)	0.09	<4h	CT+: higher CT-: lower	n=105 CT	100 [88 to 100]	21 [13 to 32]	0.73 [0.62 to 0.83]	
Gill 2018 [56]	Monocentric cohort.	277 TBI 49 no TBI	41 to 52 49 (16)	G13-G15: 326	GFAP	Digital ELISA (ng/mL)	/	<48h	CT+MRI+: 2.85* CT-MRI+: 2.10* CT-MRI-: 0.27*	n=274 CT n=274 MRI	/	/	/	0.77 0.80
					NFL	Digital ELISA (pg/mL)			CT+MRI+: 23.2* CT-MRI+: 17.9* CT-MRI-: 7.6*	n=274 CT n=274 MRI	/	/	/	0.65 0.66
					Tau	Digital ELISA (pg/mL)			CT+MRI+: 2.85* CT-MRI+: 2.10* CT-MRI-: 0.27*	n=274 CT n=274 MRI	/	/	/	0.66 0.72
Lagerstedt 2018 [52]	Multicentric cohort.	2 cohorts 1: 132 2: 109	CT-: 46 (21) CT+: 63 (24) CT-: 51 (22) CT+: 60 (22)	G15: all	Panel with combined GFAP and H-FABP	ELISA (GFAP pg/mL; H-FABP ng/mL)	GFAP: 97.31 H-FABP: 1.99	<6h	/	Cohort 1: n=132 CT	100 [100 to 100]	45.9 [36 to 55]	/	
									/	Cohort 2: n=109 CT	100 [100 to 100]	44.6 [34.8 to 54.4]	/	
Kavalci 2007 [53]	Monocentric cohort. 6 months	88	CT+: 25 (17) CT-: 24 (20)	G13: 7 G14 :15 G15 : 66	Tau	ELISA (pg/mL)	/	<24h	CT+: 18.39 CT-: 16.29	n=88 CT	/	/	/	
Gaston 2014 [54]	Monocentric cohort.	62	CT+: 35 (1.6) CT-: 33 (9.8)	G13: 12 G14 :7 G15 : 15	NFH	ELISA (ng/mL)	1071	<24h	CT+: 855 CT-: 4083	n=34 CT	87.5	70	0.825	
Bazarian 2018 [57]	Multicentric cohort.	1920	48.8 (20.9)	G14 :92 G15 : 1828	Panel with combined GFAP and UCH-L1	ECLIA (GFAP pg/mL; UCH-L1 pg/mL)	GFAP: 22 UCH-L1: 327	<12h	GFAP CT+: 167.4 GFAP CT-: 44.3 UCHL1 CT+: 843.3 UCH-L1 CT-: 420.6	n=1920 CT	97.3 [92.4 to 99.4]	36.7 [34.5 to 39]	/	

**Table 2**

