

Table S1. Pearson correlation analysis of HGS.

		Preoperative												
		Cord signal	age	Fall	NDI	mJOA score	mJOA grade	Fried	Frailty model	EQ-VAS	AST	SMT	STS	TUGT
All	Coefficient		-0.41	-0.32	-0.38						-0.50	-0.42	-0.44	
	(r)	0.147	9	0	3	0.400	-0.301		0.693	0.227	2	3	8	-0.526
	p-value	0.036	0.0000	0.0000	0.000	0.000	0.001		0.000	0.001	0.0000	0.0000	0.000	0.000
Male	Coefficient		-0.30	-0.36	-0.20						-0.32	-0.35	-0.42	
	(r)	NS	4	7	5	0.372	-0.283		0.289	0.267	8	9	3	-0.218
	p-value	NS	0.0020	0.0000	0.043	0.000	0.000		0.004	0.008	0.0010	0.0000	0.000	0.031
Female	Coefficient		-0.27	-0.36	-0.43						-0.28	-0.36	-0.33	
	(r)	-0.538	7	7	6	0.608	-0.318		0.798	0.549	7	4	5	-0.674
	p-value	0.000	0.0040	0.0000	0.000	0.000	0.000		0.000	0.000	0.0040	0.0000	0.001	0.000
		Postoperative 3 months												
		Cord signal	Age	Fall	NDI	mJOA score	mJOA grade	Frailty-Fried model	EQ-VAS	AST	SMT	STS	TUGT	
All	Coefficient		-0.47	-0.24	-0.14						-0.35	-0.36	-0.41	
	(r)	NS	4	0	9	0.390	-0.408		0.539	0.203	0	4	9	-0.297
	p-value	NS	0.0000	0.0010	0.034	0.000	0.000		0.000	0.040	0.0000	0.0000	0.000	0.000
Male	Coefficient		-0.30		-0.18						-0.62	-0.42		
	(r)	NS	8	NS	3	0.394	-0.435		NS	NS	NS	9	8	
	p-value	NS	0.002	NS	0.071	0.000	0.000		NS	NS	NS	0.0000	0.000	
Female	Coefficient		-0.42		-0.21						-0.50			
	(r)	-0.553	7	NS	6	0.321	-0.306		0.429	NS	5	NS	NS	NS
	p-value	0.000	0.000	NS	0.027	0.001	0.001		0.000	NS	0.000	NS	NS	NS
		Postoperative 1 year												
		Cord signal	age	Fall	NDI	mJOA score	mJOA grade	Frailty-Fried model	EQ-VAS	AST	SMT	STS	TUGT	
ALL	Coefficient		-0.41	-0.36	-0.18						-0.55	-0.66	-0.61	
	(r)	0.693	7	3	2	0.577	-0.713		0.385	0.194	3	5	7	-0.573
	p-value	0.000	0.0000	0.0000	0.045	0.000	0.000		0.000	0.041	0.0000	0.0000	0.000	0.000
Male	Coefficient				-0.31						-0.87	-0.89	-0.88	
	(r)	0.443	NS	NS	3	0.300	-0.569		NS	0.426	9	1	5	-0.670
	p-value	0.000	NS	NS	0.013	0.017	0.000		NS	0.000	0.0000	0.0000	0.000	0.000
Female	Coefficient		-0.51								-0.68	-0.67	-0.60	
	(r)	NS	6	NS	NS	0.632	-0.508		NS	NS	2	9	8	-0.327
	p-value	NS	0.000	NS	NS	0.000	0.000		NS	NS	0.0000	0.0000	0.000	0.050