

## Supplementary material

*Jędrzejczyk-Spaho J, Pietrucha A, Zasada W, et al. Evaluation of microdamage to the central nervous system, expressed by an increase in plasma concentration of specific neuronal enolase in the course of vasovagal syncope. Kardiol Pol. 2023.*

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**Table S1. NSE1 and NSE 2 plasma concentration**

	NSE1, ng/ml	NSE2, ng/ml	P-value
Minimal concentration	1.69	3.52	
Median (IQR)	7.6 (5.74–9.15)	7.6 (5.18–9.11)	0.98
Maximal concentration	16.99	21.66	

**Table S2. Comparison of the plasma concentration of NSE 1 and NSE 2 in relations to the HUTT result**

	HUTT-positive	HUTT-negative	HUTT – doubtful	P-value
NSE1, ng/ml, median (IQR)	7.55 (5.74–8.86)	7.1 (5.64–8.56)	10.71 (5.38–14.99)	0.55
NSE2, ng/ml, median (IQR)	7.58 (4.96–8.49)	8.29 (5.48–11.11)	11.63 (5.29–16.24)	0.51

**Table S3. Comparison of the plasma concentration of NSE 1 and NSE 2 in relation to the syncope occurrence during HUTT**

		Syncope		P
		No	Yes	
NSE1, ng/ml	Median (IQR)	8.56 (5.64–12.99)	7.55 (5.74–8.86)	0.51
	within normal limits, n (%)	6 (85.7)	28 (100.0)	0.20
	elevated, n (%)	1 (14.3)	0 (0.0)	
NSE2, ng/ml	Median (IQR)	11.11 (5.48–12.10)	7.58 (4.96–8.50)	0.27
	within normal limits, n (%)	6 (85.7)	27 (96.4)	0.36
	elevated, n (%)	1 (14.3)	1 (3.6)	

NSE2>NSE1	yes, n (%)	4 (57.1)	13 (46.4)	0.69
	no, n (%)	3 (42.9)	15 (53.6)	

Abbreviations: VVS, vasovagal syndrome; NSE1, neuronal enolase before HUTT; NSE2, neuronal enolase after HUTT; HUTT, head-up tilt test