Supplementary Figure S1. Representative image showing a rat dorsal skull craniotomy exposing the confluence of sinuses. C – caudal, R – rostral, LS – lambdoid suture, SS – sagittal suture, dashed line – interaural line, red asterisk – Lambda.

Supplementary Figure S2. The effects of insulin-induced hypoglycemia on blood pressure and heart rate in anesthetized rats. (**a**), Mean arterial pressure (MAP) and (**b**), Heart rate progressively decreased during the 2-h recording period in all groups; CHOW+Ins – black line, KD+Ins – red line. Data are mean + SEM

Supplementary Table S1. Grouped data for animals excluded due to clonic convulsions.

Time post Ins injection	**0min (n=4)**	**15min (n=4)**	**30min (n=4)**	**45min (n=4)**	**60min (n=4)**	**90min (n=4)**		**120min (n=2)**	
ASNA (%Δ from baseline)	0	23.1 ± 14.4	60.8 ± 18.2	106.8 ± 30.5	90.3 ± 26.7	68.2 ± 38.2	**Convulsions (n=2)**	-2.1 ± 4.4	**Convulsions (n=2)**
Blood glucose (mmol/L)	6.2 ± 0.7	4.7 ± 0.5	3.6 ± 0.4	2.9 ± 0.4	2.4 ± 0.3	1.8 ± 0.2		1.7 ± 0.6	
Blood BHB (mmol/L)	1.6 ± 0.2	1.4 ± 0.4	0.8 ± 0.1	0.8 ± 0.2	0.7 ± 0.1	0.5 ± 0.1		0.7 ± 0.2	

Values are mean ± SEM, number of animals are in parentheses.