



FIG 1. Experimental procedure time axis of two animal models.

VFCA, ventricular fibrillation cardiac arrest; ACA, asphyxia cardiac arrest; ROSC, return of spontaneous circulation

SUPPLEMENTAL TABLE 1. Difference between VFCA and ACA animal models

	VFCA animal model	ACA animal model
Simulated clinical events	VF induced cardiac arrest	apnea induced cardiac arrest
No blood flow time after VF or apnea	uniform, 6min	not preciously uniform, about 3-4min
The CPR time required for ROSC	long	short
Need defibrillation	yes	no
Cerebral damage	Ischemic neuronal changes	Ischemic neuronal changes and microinfarction
Cardiovascular damage	severe	mild to moderate
Post-resuscitation survival duration	short	long, reliable 72 hours

VFCA, ventricular fibrillation cardiac arrest; ACA, asphyxia cardiac arrest; CPR, cardiopulmonary resuscitation; ROSC, return of spontaneous circulation.

SUPPLEMENTAL TABLE 2. Partial amino acid sequence of NT 77 and ABS 201

Peptide	Amino acid sequence					
	8	9	10	11	12	13
NT 77 (another name NT 69L)	Me-L-Arg	L-Lys	L-Pro	L-neo-Trp	L-Ile	L-Leu
ABS 201(another name KK13)	N ³ -L-Hlys	L-Arg	L-Pro	L-Tyr	L-tert-Leu	L-Leu