

Fig.1

Blood pressure measurement in each group.

group	number	0 week			4 week			8 week			12 week		
		SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)
Normal	1	143	85	104.3333	134	69	90.66667	137	91	95.22222	155	88	93.7037
	2	137	89	105	148	72	97.33333	156	82	99.88889	160	90	99.03704
	3	142	78	99.33333	157	88	111	148	78	107.1111	165	85	108.4074
	4	141	72	95	140	79	99.33333	155	80	97.88889	169	96	98.37037
	5	150	57	88	140	67	91.33333	149	72	90.22222	152	99	90.59259
	6	136	78	97.33333	143	71	95	143	66	95.77778	181	86	95.51852
	7	145	88	107	137	75	95.66667	160	69	99.44444	166	74	98.18519
	8	146	71	96	141	88	105.6667	149	71	102.4444	172	78	103.5185
	9	142	69	93.33333	134	91	105.3333	152	88	101.3333	163	92	102.6667
	10	137	77	97	145	74	97.66667	163	82	97.44444	164	88	97.51852
	11	119	45	69.66667	156	85	108.6667	148	84	95.66667	160	101	100
	12	128	53	78	149	77	101	161	94	93.33333	149	99	95.88889
HFpEF	1	135	50	78.33333	189	95	126.3333	211	117	110.3333	221	133	115.6667
	2	133	73	93	201	111	141	198	92	125	227	124	130.3333
	3	141	56	84.33333	199	103	135	226	145	118.1111	231	152	123.7407
	4	138	72	94	186	127	146.6667	210	109	129.1111	214	127	134.963
	5	144	74	97.33333	203	106	138.3333	217	115	124.6667	200	126	129.2222
	6	140	61	87.33333	200	95	130	199	128	115.7778	198	140	120.5185
	7	155	88	110.3333	197	89	125	202	126	120.1111	197	129	121.7407
	8	130	63	85.33333	180	100	126.6667	215	132	112.8889	213	145	117.4815
	9	149	82	104.3333	194	114	140.6667	204	107	128.5556			
	10	147	80	102.3333	195	93	127	203	99	118.7778			
	11	142	53	82.66667	221	119	153	238	120	129.5556			
	12	136	62	86.66667	192	92	125.3333	207	131	112.4444			
Cana	1	149	74	99	147	96	113	173	92	108.3333	182	102	109.8889
	2	152	69	96.66667	132	77	95.33333	181	105	95.77778	179	95	95.62963
	3	138	87	104	165	88	113.6667	149	98	110.4444	172	100	111.5185
	4	150	90	110	169	93	118.3333	175	104	115.5556	193	101	116.4815

Fig.1 (continued)

Blood pressure measurement in each group.

group	number	0 week			4 week			8 week			12 week		
		SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)	SBP(mmHg)	DBP(mmHg)	MAP(mmHg)
	5	146	65	92	153	95	114.3333	166	97	106.8889	180	107	109.3704
	6	132	76	94.66667	148	90	109.3333	172	95	104.4444	176	94	106.0741
	7	139	61	87	155	73	100.3333	160	103	95.88889	190	91	97.37037
	8	147	78	101	151	71	97.66667	168	104	98.77778	177	102	98.40741
	9	153	78	103	144	84	104	169	115	103.6667	194	116	103.7778
	10	142	85	104	179	76	110.3333	188	94	108.2222	188	94	108.9259
	11	145	85	105	160	94	116	170	99	112.3333	172	105	113.5556
	12	140	74	96	162	84	110	169	90	105.3333	175	100	106.8889

Fig.2

HE staining and Masson staining of myocardial tissue in each group.

group	number	CSA(um ²)	CVF2	CVF3	CVF4	CVF5	CVF6
Normal	1	403.354	0.0743669	0.131431	0.109755	0.121282	0.091746
	2	358.2705	0.0703906	0.053783	0.110531	0.062587	0.081002
	3	472.1667	0.0808252	0.091038	0.128603	0.063801	0.089425
	4	386.9362	0.0832959	0.080372	0.095278	0.112954	0.10939
	5	297.4237	0.0816195	0.115578	0.12828	0.095542	0.096419
	6	283.4989	0.1062785	0.100989	0.103919	0.106713	0.097084
HFpEF	1	873.1185	0.1614429	0.192293	0.167232	0.160058	0.151908
	2	741.1464	0.1802222	0.147813	0.142362	0.160051	0.161213
	3	834.1265	0.1621021	0.174617	0.152587	0.167379	0.140787
	4	892.1276	0.1740072	0.145603	0.162996	0.167232	0.1625
Cana	1	537.114	0.0890544	0.076403	0.076873	0.052563	0.069827
	2	549.1757	0.1302702	0.064373	0.091353	0.134983	0.093995
	3	600.7152	0.1204533	0.114036	0.099818	0.11254	0.114626
	4	607.0744	0.1198633	0.137065	0.127672	0.131925	0.123569
	5	662.982	0.1026416	0.120293	0.102537	0.133608	0.092203
	6	674.4866	0.0993807	0.090514	0.115741	0.123621	0.102144

Fig.3

mRNA expression

group	number	RQ values		
		PGC-1 α	Nrf2	HO-1
Normal	1	1	1	1
	2	0.98025	1.527771	2.872257
	3	0.804915	2.728731	3.105798
	4	1.351043	2.069182	3.914377
	5	1.462773	1.475629	2.363715
	6	1.137659	2.58555	5.053544
HFpEF	1	0.792488	0.840557	0.738439
	2	0.400407	0.823307	0.580161
	3	0.971056	0.813112	1.239241
	4	0.615762	0.683609	1.160413
	5	0.566237	0.864391	1.535201
	6	0.388802	1.03187	0.956103
Cana	1	0.710958	1.785471	2.152877
	2	1.182652	2.751063	2.474415
	3	1.427472	2.583245	3.470251
	4	1.584288	1.123144	2.92688
	5	0.881027	1.123144	2.96471
	6	1.361325	1.724197	1.789574

