

Supplementary Tables

Supplementary Table 1. Characteristics of bone cancer patients according to use of Chinese herb and non-used before frequency matching.

Variable	Bone cancer patients				p-value
	Non-TCM (n =673)		Using Danshen (n =159)		
	n	%	n	%	
Gender					<.0001
Female	234	34.77	87	54.72	
Male	439	65.23	72	45.28	
Age group					<.0001
0-18	124	18.42	22	13.84	
18-39	115	17.09	51	32.08	
40-59	217	32.24	18	11.32	
≥60	217	32.24	68	42.77	
Mean±SD (years) ^a	48.86(24.57)		41.54(19.07)		<.0001
Follow time, years (mean, median)	1.64(0.67)		4.13(3.07)		
Interval between onset of cancer and the first using TCM date, day (median)	459(175)		1326(898)		<.0001

*Chi-Square Test;^a t test

Supplementary Table 2. Characteristics of bone cancer patients according to use of Chinese herb and non-used after frequency matching.

Variable	Bone cancer patients				p-value
	Non-TCM (n =22)		Using Danshen (n =22)		
	n	%	n	%	
Gender					0.99*
Female	12	54.55	12	54.55	
Male	10	45.45	10	45.45	
Age group					0.99*
18-39	7	31.82	7	31.82	
40-59	11	50.00	11	50.00	
≥60	4	18.18	4	18.18	
Mean±SD (years) ^a	51.30 (16.17)		51.68 (16.45)		0.9423 ^a
Follow time, years (mean, median)	1.16 (0.62)		4.65 (2.46)		
Interval between onset of cancer and the first using TCM date, day (median)	157		194		0.8392 ^a

*Chi-Square Test;^a t test

Supplementary Table 3. Sequencing of primers.

Primers qPCR

Human Gene	Forward	Reverse
SESN2	5'- GAC CAT GGC TAC TCG CTG AT -3'	5'- GCT GCC TGG AAC TTC TCA TC -3'
HIF-1 α	5'- AAA CTT GGC AAC CTT GGA TTG G -3'	5'- TCC GTC CCT CAA CCT CTC AG -3'
catalase	5'- ACT TCT GGA GCC TAC GTC CT -3'	5'- TCT GGA ATC CCC CGA TCA CT -3'
MnSOD	5'- AGC GGC TTC AGC AGA TCG -3'	5'- AGA TAC CCC AAA ACC GGA GC -3'
GPX1	5'- GCG GCC CAG TCG GTG -3'	5'- CAG AGG GAC GCC ACA TTC TC -3'

Primers ChIP

Promoter	Forward	Reverse
SESN2	5'- AAA AGG GTC AGA TAA AAC AT -3'	5'- TTA GTA AAT AGA GAC AGG GT -3'