

Supplementary materials

Table S1: Description of test samples

Sample ID	Size	Size discription	Production lot number	Sample number
Absorbable drug-eluting coronary stent	25012	Diameter:2.5mm, Length:12mm	20140529, 20141113, 20150109, 20150526	120
Stainless steel stent	25012	Diameter:2.5mm , Length:12mm	20140529, 20141113, 20150109	120

Table S2: Distribution of animal numbers in each group

Groups	Sex	Numbers
Test group	Female	60
	Male	60
Control group	Female	60
	Male	60

Table S3: Death of test group and control group

Groups	Male		Female	
	Test group	Control group	Test group	Control group
Death number during the test period	22	24	25	26
Death number euthanized at the end of the test	38	36	35	34
Total number	60	60	60	60
Survival rate at the end of the test (%)	63.3	60.0	58.3	56.7

Table S4: Summary of body weight

Sex	Interval	Before	1M	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M
Implantation on														
Male	Test	306.8 ± 5.30	315.2 ± 15.5	320.6 ± 16.4	326.2 ± 15.8	338.6 ± 16.2	340.4 ± 16.9	344.3 ± 17.1	348.2 ± 16.5	352.8 ± 16.9	360.2 ± 17.3	368.4 ± 17.7	372.6 ± 18.5	375.2 ± 19.5
	Control	307.8 ± 6.80	315.1 ± 16.7	321.5 ± 15.2	326.4 ± 14.6	340.2 ± 17.7	343.4 ± 17.2	346.6 ± 17.4	350.8 ± 16.2	353.6 ± 16.5	360.5 ± 17.4	363.2 ± 17.5	369.8 ± 18.0	374.1 ± 18.8
Female	Test	306.5 ± 9.4	308.8 ± 20.1	310.6 ± 22.3	312.2 ± 17.8	316.7 ± 22.2	318.5 ± 18.9	319.1 ± 15.1	320.2 ± 10.5	320.8 ± 15.9	321.2 ± 14.3	321.4 ± 10.7	322.6 ± 11.5	322.2 ± 15.5
	Control	303.1 ± 7.6	306.6 ± 21.5	314.5 ± 19.7	315.4 ± 20.2	316.2 ± 18.7	317.6 ± 20.3	318.5 ± 14.4	319.9 ± 11.1	320.6 ± 12.5	321.0 ± 13.6	321.8 ± 12.5	322.2 ± 15.9	323.9 ± 16.8
Sex	Interval	13M	14M	15M	16M	17M	18M	19M	20M	21M	22M	23M	24M	
Male	Test	380.5 ± 19.2	385.2 ± 21.9	390.1 ± 23.0	394.6 ± 24.7	400.8 ± 22.8	405.7 ± 23.6	410.1 ± 23.3	414.5 ± 24.0	420.2 ± 25.2	424.6 ± 25.5	429.2 ± 25.9	433.4 ± 60.9	
	Control	380.8 ± 20.2	387.2 ± 22.2	390.6 ± 22.8	394.8 ± 22.5	399.9 ± 24.6	402.5 ± 24.5	409.9 ± 24.4	413.8 ± 24.7	418.9 ± 25.1	423.7 ± 25.3	436.3 ± 24.5	443.1 ± 48.4	
Female	Test	323.5 ± 18.2	323.9 ± 20.1	324.3 ± 22.2	324.8 ± 20.1	325.2 ± 20.2	325.7 ± 20.6	326.1 ± 19.3	326.1 ± 22.7	326.4 ± 23.1	326.8 ± 21.5	327.0 ± 23.6	327.5 ± 19.4	
	Control	324.3 ± 20.3	324.8 ± 21.4	325.0 ± 21.8	325.5 ± 22.3	326.1 ± 18.4	326.8 ± 19.5	327.2 ± 21.2	327.7 ± 22.6	328.3 ± 22.1	328.7 ± 20.6	329.2 ± 21.5	330.4 ± 10.6	

Table S5: Summary of tumor types and numbers (Male)

Sex	Tumor types	Test group		Control group	
		Animal number	Percentage (%)	Animal number	Percentage (%)
Male	Subcutaneous fibroma	6	10.00	4	6.67
	Pituitary adenoma	4	6.67	6	10.00
	Thyroid adenoma	1	1.67	2	3.33
	Islet cell adenoma	1	1.67	1	1.67
	Salivary adenoma	0	0	1	1.67
	Fibroadenoma	1	1.66	0	0
	Lipomyoma	0	0	0	0
	Fibroangioma	4	6.67	3	5.00
	Lung cancer	2	3.33	3	5.00
	Renal cell cancer	2	3.33	1	1.67
	Hemangiosarcoma	2	3.33	2	3.33
	Fibrosarcoma	2	3.33	2	3.33
	Stromal cell tumor of testis	1	1.67	1	1.67
	Squamous-cell carcinoma	1	1.67	1	1.67
	Total	27	45	27	45

Table S6: Summary of tumor types and numbers (Female)

Sex	Tumor Types	Test group		Control group	
		Animal number	Percentage (%)	Animal number	Percentage (%)
Female	Subcutaneous fibroma	5	8.33	4	6.67
	Breast fibroadenoma	5	8.33	4	6.67
	Pituitary adenoma	4	6.67	3	5.00
	Adenocarcinoma	1	1.67	1	1.67
	Breast cancer	4	6.67	4	6.67
	Breast adenoma	4	6.67	3	5.0
	Brain glioma	2	3.33	3	5.0
	Salivary adenoma	2	3.33	0	0
	Lipomyoma	2	3.33	2	3.33
	Lung cancer	2	3.33	2	3.33
	Uterine leiomyosarcoma	1	1.67	2	3.33
	Squamous cell cancer	3	5.00	3	5.00
	Total	35	58.33	31	51.67