

SUPPLEMENTAL MATERIAL

SUPPLEMENTAL TABLES

Supplemental table 1: Femoral artery balloon angioplasty model comparison with complete mixed-effect linear model results.

	Single-injury	Double-injury	P	β coefficient (95% CI)
Quantitative analysis				
Percent luminal stenosis	5.5%(2.5-9.7)	11%(8.0-17)	.002	7.7% (2.9 to 12)
Neointimal thickness, mm	.18(.08-.32)	.13(.09-.24)	.9	.013 (-.15 to .18)
Medial thickness, mm	.35(.31-.40)	.51(.46-.54)	<.001	.13 (.094 to .17)
Intima/media ratio	.08(.04-.16)	.10(.07-.15)	.5	.028 (-.056 to .11)
Adventitial microvessels	25(10-83)	11(9-15)	.2	-44 (-108 to 20)
Semi-quantitative analysis				
Injury	2(0-3)	0(0-1)	.4	-3.3 (-11 to 4.3)
Inflammation	1(1-1)	1(1-1)	.3	-1.8 (-5.4 to 1.9)
Medial fibrosis	1.5(0-2)	.5(0-1.5)	.4	-.87 (-2.7 to .99)
Fibrin/thrombus	0	0	1	NS
Hemorrhage	0	0	1	NS
Pigs (femoral injury sites), n	2(4)	2(4)		

All values are median(IQR).

Supplemental table 2. Histomorphometry and histology results at 28 days with complete mixed-effect linear model results.

	Control	Nab-rapamycin	P	β coefficient (95% CI)
Quantitative analysis				
Lumen area, mm ²	1.9(.85-2.6)	2.6(1.8-3.3)	.04	.73 (.022 to 1.45)
Percent luminal stenosis	17%(12-35)	10%(8.3-14)	.001	-12% (-20 to -5.4)
Neointimal area, mm ²	.38(.19-.57)	.26(.22-.32)	.04	-.27 (-.52 to -.013)
Neointimal thickness, mm	.16(.096-.37)	.096(.081-.19)	.02	-.16 (-.29 to -.029)
Medial thickness, mm	.51(.41-.53)	.45(.37-.53)	.63	-.019 (-.098 to .059)
Intima/media ratio	.13(.087-.21)	.099(.088-.14)	.05	-.090 (-.18 to 0)
Total vessel area, mm ²	6.8(5.0-7.3)	6.6(5.7-8.0)	.1	.80 (-.26 to 1.8)
Adventitial microvessels	15(9-22)	7(3-10)	.001	-9.6 (-15 to -4)
Semi-quantitative analysis				
Injury	1(0-1.5)	1(0-1)	1	-.025 (-1.1 to 1.0)
Inflammation	1(1-1)	1(1-1)	.6	.45 (-1.4 to 2.3)
Medial fibrosis	1(1-2)	.5(0-1)	<.001	-2.6 (-4.0 to -1.2)
Fibrin/thrombus	0	0	.6	-.36 (-1.8 to 1.1)
Hemorrhage	0	0	1	NS
Pigs (femoral injury sites), n	2(4)	2(4)		

All values are median(IQR).

Supplemental table 3: Complete mixed-effects linear model results for Figures 2, 4 and 5.

	Control	Nab-rapamycin	P	β coefficient (95% CI)
Figure 2:				
Endothelialization				
3d	3 (2-3)	2 (2-2)	<.001	-20 (-21 to -18)
8d	3 (2-3)	3 (3-3)	.3	1.8 (-1.4 to 5.0)
28d	3 (2.5-3)	3 (3-3)	.6	.85 (-2.0 to 3.7)
Figure 4: Adventitial				
WBC				
3d	130 (123-148)	92 (88-115)	<.001	-34 (-47 to -21)
8d	125 (84-150)	87 (74-104)	.2	-32 (-81 to 16)
28d	52 (48-55)	48 (39-77)	.7	4.2 (-18 to 26)
Figure 5: Medial cell				
proliferation index				
8d	13 (8.6-16)	3.2 (.8-10)	.02	-6.1 (-11 to -1.0)
28d	6.5 (5.5-7.7)	1.5 (1.3-2)	<.001	-4.7 (-6.0 to -3.4)

All values are median (IQR).