

Supplement Material

Supplemental figure I. A hypothetical model to explain the role of integrin $\beta 3$ in endothelial regeneration in AVGs. Platelet aggregation in AVGs after surgery was decreased in integrin $\beta 3$ mice, and less CACs were recruited in the denuded subendothelial matrices in integrin $\beta 3$ mice. The higher level of TGF- $\beta 1$ secreted from integrin $\beta 3$ platelets delayed the CAC differentiation into mature endothelial cells, resulting in AVG failure.

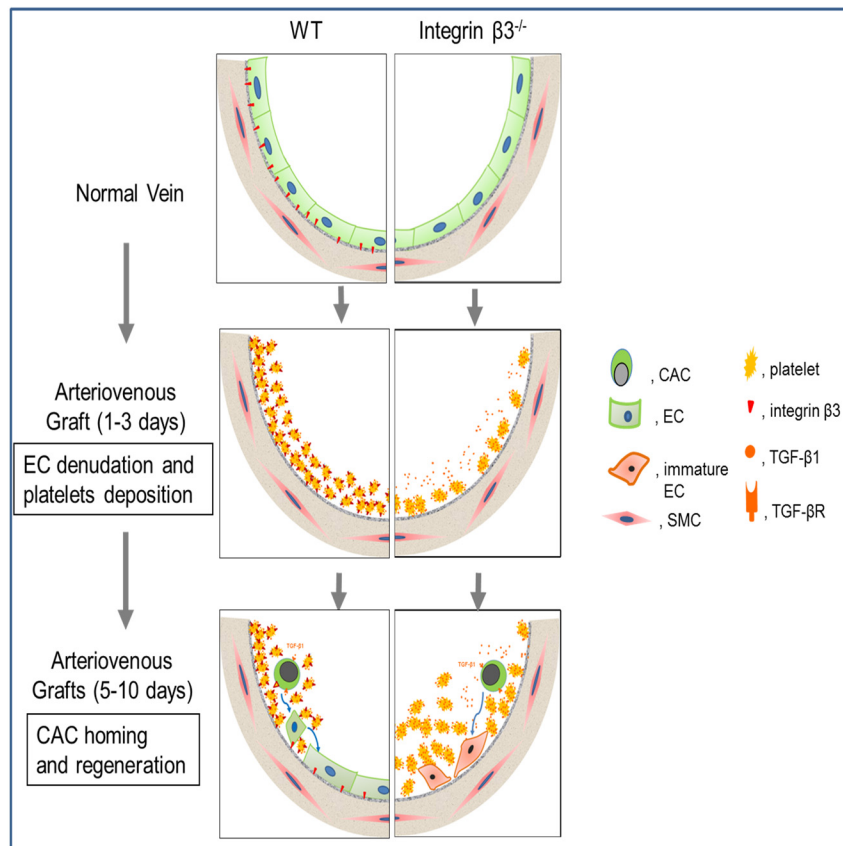


Table 1. Primers used in the manuscript

Genes		Primers
CD31	upstream	5'-AGGCTTGCATAGAGCTCCAG-3'
	downstream	5'-TTCTTGGTTTCCAGCTATGG-3'
VE-cadherin	upstream	5'-CAC TGTCAAGGTG CATGATAT-3'
	downstream	5'-GTACAAGACA GTGGCGTGGC-3'
RBP-Jk	upstream	5'-CAATGCAAGACCAAGCCCTCCAAT-3'
	downstream	5'-AGGGTCTTGGCACAACCAAATTCC-3'
Notch1	upstream	5'-TGAGACTGCCAAAGTGTTGC-3'
	downstream	5'-GTGGGAGACAGAGTGGGTGT-3'
Jagged 1	upstream	5'-TCTCTGACCCCTGCCATAAC-3'
	downstream	5'-TTGAATCCATTACCAGATCC-3'
Hes1	upstream	5'-ACACCGGACAAACCAAAGAC-3'
	downstream	5'-CGCCTCTTCTCCATGATAGG -3'
Hes5	upstream	5'-AGCTACCTGAAACACAGCAAAGCC-3'
	downstream	5'-TAAAGCAGCTTCATCTGCGTGTCG-3'
SMA- α	upstream	5'-CTGACAGAGGCACCACTGAA-3'
	downstream	5'-GAAATAGCCAAGCTCAG-3'
S100A4	upstream	5'-TTCCAGAAGGTGATGAG-3'
	downstream	5'-TCATGGCAATGCAGGACAGGAAGA-3'
GAPDH	upstream	5'-CAGATCCACAACGGATATATTGGG-3'
	downstream	5'-CATGACAACCTTTGGCATTGTGG-3'