

Table S1 – Right atrial specimens used for Vision Gene Expression

Sample	Surgery	BMI	AGE	AT	Fibrosis	LVEF (%)
1	VMR+bypass	23	80	+	+	55
2	bypass	29	35	++	++	60
3	bypass	26	75	+	-	78
4	bypass	26	75	+	++	78
5	VMR	32	59	+	-	69
6	VMR	32	59	++	+	69

BMI, body mass index ; AT, Adipose tissue; LVEF; Left Ventricular Ejection Fraction

Table S2 – Right atrial specimens used for histomorphometry study

m/f, n	16/4
BMI	28±9,07
Age	68±17
LVEF (%)	56±14,78
surgery	11 bypass, 2 bypass+VMR, 6 VMR
AF, n	4
Atrial dilatation LA, n	5

M, male; f, female; BMI, body mass index; LVEF, Left Ventricular Ejection Fraction; AF, atrial fibrillation

Table S3 – Immune cells characterization for mice

antibody	Dye	Catalog #	Isotype	Purchased	clone
CD45	APC-Cy7	A15395	IgG2b	eBioscience	L3/2.3
NK1.1	APC	17-5941-82	IgG2ak	eBioscience	PK136
CD3	PerCPCy5.5	45-0037-41	IgG2b	eBioscience	17A2
CD4	FiTC	11-0042-85	IgG2ak	eBioscience	RM4-5
CD8	AF 700	557959	IgG2a	BD Biosciences	53-6.7
CD19	PE	12-0193-82	IgG2ak	eBioscience	1D3
Ly6C	FiTC	553104	IgMk	BD Bioscience	AL-21
Ly6G	PE	551461	IgG2ak	BD Bioscience	1A8

CD11b	BV605	63-0112-82	IgG2bk	eBioscience	M1/70
CD115	PeCy7	25-1152-82	IgG2ak	eBioscience	AFS98
F4/80	FiTC	11-4801-82	IgG2ak	eBioscience	BM8-1
MHCII	AF700	565321-82	IgG2a	eBioscience	M5/114.15.2
CCR2	PE	150609	IgG2b	Biolegend	SA203G11
Lyve1	EF450/PB	48-0443-80	IgG2ak	Life Tech	ALY7
CD11c	APC Cy7	117324	IgG	Biolegend	N418