

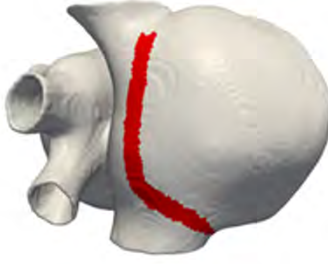





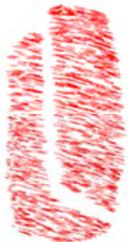
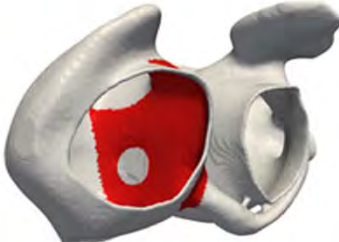







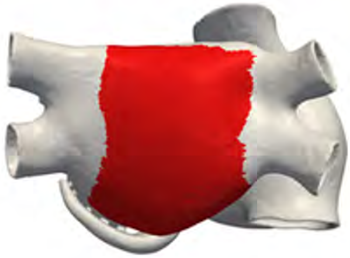
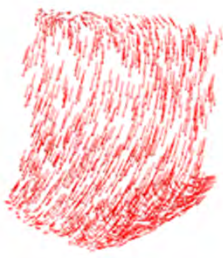
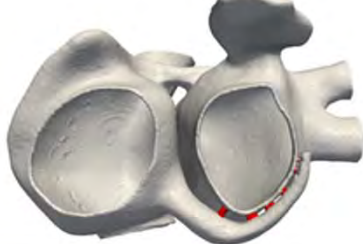



S1 Table: List of atrial regions and their main electrical properties

Nº	REGION	PROPERTY	VALUE	FIBRE DIRECTION	
1	SAN	Nº ELE	659		
		Sub-regions	–		
		V (mm³)	17.8		
		MODEL	RA		
		MATERIAL	SAN		
		CV _L	27.7		
		CV _T	27.7		
		LAT _{ini} (ms)	0		
		LAT _{BVD} (ms)	3		
2	CT	Nº ELE	5867		
		Sub-regions	–		
		V (mm³)	158.4		
		MODEL	CT		
		MATERIAL	CT		
		CV _L	100.0		
		CV _T	38.9		
		LAT _{ini} (ms)	3		
		LAT _{BVD} (ms)	60		
3	BBR BBL	Nº ELE	15227		
		Sub-regions	6		
		V (mm³)	411.1		
		MODEL	BB		
		MATERIAL	BB		
		CV _L	116.7		
		CV _T	46.5		
		LAT _{ini} (ms)	3		
		LAT _{BVD} (ms)	72		
	BB (Insulating)	Nº ELE	4430		NO FIBRES DIRECTION
		Sub-regions	2		
		V (mm³)	119.6		
		MODEL	–		
		MATERIAL	–		
		CV _L	0		
		CV _T	0		
		LAT _{ini} (ms)	0		
		LAT _{BVD} (ms)	0		
4	IB	Nº ELE	25732		
		Sub-regions	–		
		V (mm³)	694.8		
		MODEL	RA		
		MATERIAL	RA		
		CV _L	63.3		
		CV _T	36.6		
		LAT _{ini} (ms)	3		
		LAT _{BVD} (ms)	60		
5	RAS	Nº ELE	48977		
		Sub-regions	–		
		V (mm³)	1322.4		
		MODEL	RA		
		MATERIAL	RA		
		CV _L	63.3		
		CV _T	36.6		
		LAT _{ini} (ms)	20		
		LAT _{BVD} (ms)	95		

Nº	REGION	PROPERTY	VALUE	FIBRE DIRECTION	
6	RLW	Nº ELE	40932		
		Sub-regions	-		
		V (mm³)	1105.2		
		MODEL	RA		
		MATERIAL	RA		
		CV _l	63.3		
		CV _r	36.6		
		LAT _{ini} (ms)	18		
		LAT _{END} (ms)	85		
		7	RAA		
Sub-regions	-				
V (mm³)	749.0				
MODEL	RAA				
MATERIAL	RA				
CV _l	63.3				
CV _r	36.5				
LAT _{ini} (ms)	20				
LAT _{END} (ms)	75				
8	PM			Nº ELE	15259
		Sub-regions	10		
		V (mm³)	412.0		
		MODEL	PM		
		MATERIAL	PM		
		CV _l	115.4		
		CV _r	46.3		
		LAT _{ini} (ms)	15		
		LAT _{END} (ms)	75		
		9	IST	Nº ELE	9023
Sub-regions	-				
V (mm³)	243.6				
MODEL	RA				
MATERIAL	IST				
CV _l	76.6				
CV _r	76.6				
LAT _{ini} (ms)	75				
LAT _{END} (ms)	96				
10	SCV			Nº ELE	19121
		Sub-regions	-		
		V (mm³)	516.3		
		MODEL	RA		
		MATERIAL	RA		
		CV _l	63.3		
		CV _r	36.6		
		LAT _{ini} (ms)	3		
		LAT _{END} (ms)	52		
		11	ICV	Nº ELE	5231
Sub-regions	-				
V (mm³)	141.2				
MODEL	RA				
MATERIAL	RA				
CV _l	63.3				
CV _r	36.6				
LAT _{ini} (ms)	55				
LAT _{END} (ms)	92				

Nº	REGION	PROPERTY	VALUE	FIBRE DIRECTION		
12	TV	Nº ELE	15194			
		Sub-regions	-			
		V (mm³)	410.2			
		MODEL	TV			
		MATERIAL	RA			
		CV _L	63.3			
		CV _T	36.5			
		LAT _{INI} (ms)	64			
		LAT _{END} (ms)	109			
		13	LFO			Nº ELE
Sub-regions	-					
V (mm³)	125.7					
MODEL	RA					
MATERIAL	LFO					
CV _L	99.1					
CV _T	38.6					
LAT _{INI} (ms)	48					
LAT _{END} (ms)	80					
FO (Insulating)	Nº ELE			6357		NO FIBRES DIRECTION
	Sub-regions		-			
	V (mm³)		171.6			
	MODEL		-			
	MATERIAL		-			
	CV _L		0.0			
	CV _T		0.0			
	LAT _{INI} (ms)		NA			
	LAT _{END} (ms)		NA			
	14		LSW	Nº ELE		
Sub-regions				2		
V (mm³)		513.2				
MODEL		LA				
MATERIAL		LA				
CV _L		63.3				
CV _T		36.6				
LAT _{INI} (ms)		38				
LAT _{END} (ms)		81				
15		LAS		Nº ELE	37094	
	Sub-regions		-			
	V (mm³)		1001.5			
	MODEL		LA			
	MATERIAL		LA			
	CV _L		63.3			
	CV _T		36.6			
	LAT _{INI} (ms)		40			
	LAT _{END} (ms)		83			
	16		LAA	Nº ELE	31711	
Sub-regions		2				
V (mm³)		856.2				
MODEL		LAA				
MATERIAL		LA				
CV _L		63.3				
CV _T		36.5				
LAT _{INI} (ms)		64				
LAT _{END} (ms)		125				

Nº	REGION	PROPERTY	VALUE	FIBRE DIRECTION	
17	LPW	Nº ELE	61325		
		Sub-regions	-		
		V (mm³)	1655.8		
		MODEL	LA		
		MATERIAL	LA		
		CV _l	63.3		
		CV _r	36.6		
		LAT _{INI} (ms)	64		
		LAT _{END} (ms)	128		
		18	MV		
Sub-regions	2				
V (mm³)	579.9				
MODEL	MV				
MATERIAL	LA				
CV _l	62.9				
CV _r	36.5				
LAT _{INI} (ms)	64				
LAT _{END} (ms)	116				
19	RPV			Nº ELE	30588
		Sub-regions	6		
		V (mm³)	825.9		
		MODEL	PV		
		MATERIAL	PV		
		CV _l	75.0		
		CV _r	53.0		
		LAT _{INI} (ms)	64		
		LAT _{END} (ms)	91		
		20	LPV	Nº ELE	45026
Sub-regions	6				
V (mm³)	1215.7				
MODEL	PV				
MATERIAL	PV				
CV _l	75.0				
CV _r	53.0				
LAT _{INI} (ms)	67				
LAT _{END} (ms)	108				
21	CS			Nº ELE	21873
		Sub-regions	3		
		V (mm³)	590.6		
		MODEL	RA		
		MATERIAL	CS		
	CV _l	97.2			
	CV _r	68.6			
	LAT _{INI} (ms)	75			
	LAT _{END} (ms)	132			
	CS (Unions)	Nº ELE	611		
Sub-regions		1			
V (mm³)		16.5			
MODEL		RA			
MATERIAL		LA			
CV _l	63.3				
CV _r	36.6				
LAT _{INI} (ms)	75				
LAT _{END} (ms)	132				