Table 1: Vessel overview

ID	Name	Start	-coordinates	End	-coordinates	Length	Angle
1	Aorta ascendens	1	(0,0,2)	26	(-6,8,2)	10	126.87
2	Left heart	1	(0,0,-2)	1	(0,0,2)	4	
3	Truncus brachiocephalica	26	(-6,8,2)	27	(-12, 15, 2)	9.22	130.6
4	Arcus aorta 1	26	(-6,8,2)	28	(-3,8,2)	3	0
5	A subclavia (d)	27	(-12, 15, 2)	15	(-20, 17, 2)	8.25	165.96
6	A carotis communis (d)	27	(-12, 15, 2)	5	(-5,44,2)	29.83	76.43
7	A carotis communis (s)	28	(-3,8,2)	5	(-5,44,2)	36.06	93.18
8	Arcus aorta 2	28	(-3,8,2)	29	(0,8,2)	3	0
9	Head	5	(-5,44,2)	5	(-5,44,-2)	4	
10	A axillaris (d)	15	(-20, 17, 2)	16	(-30,8,2)	13.45	-138.01
11	Right shoulder	15	(-20, 17, 2)	15	(-20, 17, -2)	4	
12	A subclavia (s)	29	(0,8,2)	4	(10,17,2)	13.45	41.99
13	Aorta thoratica	29	(0,8,2)	30	(-2,-3,2)	11.18	-100.3
14	A brachialis (d)	16	(-30,8,2)	19	(-30,-18,2)	26	-90
15	Right upper arm	16	(-30,8,2)	16	(-30,8,-2)	4	
16	A axillaris (s)	4	(10,17,2)	3	(20,8,2)	13.45	-41.99
17	Left shoulder	4	(10,17,2)	4	(10,17,-2)	4	
18	A intercostales posteriores	30	(-2,-3,2)	6	(12,-4,2)	14.04	-4.09
19	Aorta abdominalis 1	30	(-2,-3,2)	31	(-5,-14,2)	11.4	-105.26
20	A radialis ulnaris (d)	19	(-30,-18,2)	23	(-30,-43,2)	25	-90
21	Right ellbow	19	(-30,-18,2)	19	(-30,-18,-2)	26	
22	A brachialis (s)	3	(20,8,2)	8	(20,-18,2)	26	-90
23	Left upper arm	3	(20,8,2)	3	(20,8,-2)	4	
24	Chest and back	6	(12,-4,2)	6	(12,-4,-2)	4	
25	A splenica	31	(-5,-14,2)	7	(1,-14,2)	6	0
26	Aorta abdominalis 2	31	(-5,-14,2)	32	(-5,-16,2)	2	-90
27	Right hand	23	(-30,-43,2)	23	(-30,-43,-2)	4	

ID	Name	Start	-coordinates	End	-coordinates	Length	Angle
28	A radialis ulnaris (s)	8	(20,-18,2)	12	(20,-43,2)	25	-90
29	Left forearm	8	(20,-18,2)	8	(20,-18,-2)	4	
30	Spleen	7	(1,-14,2)	7	(1,-14,-2)	4	
31	Aorta abdominalis 3	32	(-5,-16,2)	33	(-5,-20,2)	4	-90
32	A hepatica communis	32	(-5,-16,2)	18	(-13,-16,2)	8	180
33	Left hand	12	(20,-43,2)	12	(20,-43,-2)	4	
34	Aorta abdominalis 4	33	(-5,-20,2)	34	(-5,-24,2)	4	-90
35	A mesenterica	33	(-5,-20,2)	20	(-14,-20,2)	9	180
36	Liver	18	(-13,-16,2)	18	(-13,-16,-2)	4	
37	A renalis	34	(-5,-24,2)	9	(3,-24,2)	8	0
38	A iliaca communis	34	(-5,-24,2)	35	(-5,-29,2)	5	-90
39	Intestine	20	(-14,-20,2)	20	(-14,-20,-2)	4	
40	Kidneys	9	(3,-24,2)	9	(3,-24,-2)	4	
41	A iliaca communis (s)	35	(-5,-29,2)	36	(0,-33,2)	6.4	-38.66
42	A iliaca communis (d)	35	(-5,-29,2)	37	(-10,-33,2)	6.4	-141.34
43	A iliaca interna (s)	36	(0,-33,2)	10	(13,-28,2)	13.93	21.04
44	A iliaca externa (s)	36	(0,-33,2)	11	(13,-41,2)	15.26	-31.61
45	A iliaca interna (d)	37	(-10,-33,2)	21	(-23,-28,2)	13.93	158.96
46	A iliaca externa (d)	37	(-10,-33,2)	22	(-23,-41,2)	15.26	-148.39
47	Left pelvis and genitals	10	(13,-28,2)	10	(13,-28,-2)	4	
48	A femoris (s)	11	(13,-41,2)	13	(13,-78,2)	37	-90
49	Left hip	11	(13,-41,2)	11	(13,-41,-2)	4	
50	A femoris (d)	22	(-23,-41,2)	24	(-23,-78,2)	37	-90
51	Right pelvis and genitals	21	(-23,-28,2)	21	(-23,-28,-2)	4	
52	Right hip	22	(-23,-41,2)	22	(-23,-41,-2)	4	
53	A popiltea tibialis (s)	13	(13,-78,2)	14	(13,-131,2)	53	-90
54	Left knee	13	(13,-78,2)	13	(13,-78,-2)	4	
55	A popiltea tibialis (d)	24	(-23,-78,2)	25	(-23,-131,2)	53	-90

ID	Name	Start	-coordinates	End	-coordinates	Length	Angle
56	Right knee	24	(-23,-78,2)	24	(-23,-78,-2)	4	
57	Truncus pulmonalis	2	(-4,4,2)	17	(-14,4,2)	10	180
58	Right heart	2	(-4,4,-2)	2	(-4,4,2)	4	
59	Left foot	14	(13,-131,2)	14	(13,-131,-2)	4	
60	Right foot	25	(-23,-131,2)	25	(-23,-131,-2)	4	
61	Lung	17	(-14,4,2)	17	(-14,4,-2)	4	
62	V popiltea tibialis (s)	14	(13,-131,-2)	13	(13,-78,-2)	53	90
63	V popiltea tibialis (d)	25	(-23,-131,-2)	24	(-23,-78,-2)	53	90
64	V basilica cephalica (s)	12	(20,-43,-2)	8	(20,-18,-2)	25	90
65	V basilica cephalica (d)	23	(-30,-43,-2)	19	(-30,-18,-2)	25	90
66	V femoris (s)	13	(13,-78,-2)	11	(13,-41,-2)	37	90
67	V femoris (d)	24	(-23,-78,-2)	22	(-23,-41,-2)	37	90
68	V brachialis (s)	8	(20,-18,-2)	3	(20,8,-2)	26	90
69	V brachialis (d)	19	(-30,-18,-2)	16	(-30,8,-2)	26	90
70	V iliaca interna (s)	10	(13,-28,-2)	45	(0,-33,-2)	13.93	-158.96
71	V iliaca externa (s)	11	(13,-41,-2)	45	(0,-33,-2)	15.26	148.39
72	V iliaca interna (d)	21	(-23,-28,-2)	46	(-10,-33,-2)	13.93	-21.04
73	V iliaca externa (d)	22	(-23,-41,-2)	46	(-10,-33,-2)	15.26	31.61
74	V axillaris (s)	3	(20,8,-2)	4	(10,17,-2)	13.45	138.01
75	V axillaris (d)	16	(-30,8,-2)	15	(-20, 17, -2)	13.45	41.99
76	V Splenica	7	(1,-14,-2)	42	(-8,-18,-2)	9.85	-156.04
77	V mesenterica	20	(-14,-20,-2)	42	(-8,-18,-2)	6.32	18.43
78	V iliaca communis (s)	45	(0,-33,-2)	44	(-5,-29,-2)	6.4	141.34
79	V iliaca communis (d)	46	(-10,-33,-2)	44	(-5,-29,-2)	6.4	38.66
80	V subclavia (s)	4	(10,17,-2)	39	(2,15,-2)	8.25	-165.96
81	V jugularis interna (s)	5	(-5,44,-2)	39	(2,15,-2)	29.83	-76.43
82	V subclavia (d)	15	(-20, 17, -2)	40	(-12, 15, -2)	8.25	-14.04
83	V jugularis interna (d)	5	(-5,44,-2)	40	(-12, 15, -2)	29.83	-103.57

ID	Name	Start	-coordinates	End	-coordinates	Length	Angle
84	V portae hepatis	42	(-8,-18,-2)	18	(-13,-16,-2)	5.39	158.2
85	V iliaca communis	44	(-5,-29,-2)	43	(-5,-24,-2)	5	90
86	V renalis	9	(3,-24,-2)	43	(-5,-24,-2)	8	180
87	V azygos	6	(12,-4,-2)	38	(-5,8,-2)	20.81	144.78
88	V brachiocephalica (s)	39	(2,15,-2)	38	(-5,8,-2)	9.9	-135
89	V brachiocephalica (d)	40	(-12, 15, -2)	38	(-5,8,-2)	9.9	-45
90	V hepatica communis	18	(-13,-16,-2)	41	(-5,-16,-2)	8	0
91	V cava inferior 1	43	(-5,-24,-2)	41	(-5,-16,-2)	8	90
92	V cava superior	38	(-5,8,-2)	2	(-4,4,-2)	4.12	-75.96
93	V cava inferior 2	41	(-5,-16,-2)	2	(-4,4,-2)	20.02	87.14
94	V pulmonalis	17	(-14,4,-2)	1	(0,0,-2)	14.56	-15.95