

Table 1: Average Preprandial Volumetric Flow Rates (mL/min/kg)

	SCAo	IRAo	LRA	RRA	SMA	CA	SMV	SV	PV
Control	48.2 ± 17.6	15.5 ± 7.81	5.00 ± 3.40	4.85 ± 2.42	5.97 ± 3.15	11.8 ± 7.88	6.61 ± 2.66	6.52 ± 4.18	14.1 ± 5.57
CMI-	44.6 ± 15.6	16.5 ± 6.50	6.40 ± 2.73	6.18 ± 2.99	8.04 ± 4.35	6.72 ± 3.54	6.89 ± 4.14	6.46 ± 3.63	13.5 ± 4.40
CMI+	36.5 ± 10.4	19.1 ± 3.88	6.68 ± 8.44	6.01 ± 6.37	7.59 ± 3.13	7.80 ± 3.51	10.7 ± 3.64	5.21 ± 1.89	17.7 ± 5.71

Volumetric flow rates are expressed as mean ± 1 standard deviation. **Bold** indicates statistical significance (p < 0.05) compared to controls. Underline indicates statistical significance (p < 0.05) between CMI and Neg. Diag. group. SCAo = supraceliac aorta, IRAo = infrarenal aorta, LRA = left renal artery, RRA = right renal artery, SMA = superior mesenteric artery, CA = celiac artery, SMV = superior mesenteric vein, SV = splenic vein, and PV = portal vein.

Table 2: Average Postprandial Volumetric Flow Rates (mL/min/kg)

	SCA _o	IRA _o	LRA	RRA	SMA	CA	SMV	SV	PV
Control	55.3 ± 19.9	14.0 ± 6.15	4.94 ± 2.91	5.21 ± 2.72	11.1 ± 5.00	11.0 ± 7.00	14.2 ± 4.56	5.80 ± 2.52	20.6 ± 5.91
CMI-	54.2 ± 22.3	19.3 ± 6.93	6.33 ± 2.74	6.33 ± 3.70	12.5 ± 6.40	7.00 ± 4.42	16.7 ± 7.23	5.94 ± 3.85	23.1 ± 6.56
CMI+	<u>35.3 ± 11.3</u>	18.6 ± 7.00	6.37 ± 9.29	3.82 ± 4.18	9.37 ± 4.52	8.17 ± 3.96	15.5 ± 8.60	4.46 ± 1.67	20.8 ± 10.3

Volumetric flow rates are expressed as mean \pm 1 standard deviation. **Bold** indicates statistical significance ($p < 0.05$) compared to controls. Underline indicates statistical significance ($p < 0.05$) between the CMI- and CMI+ group. SCAo = supraceliac aorta, IRAo = infrarenal aorta, LRA = left renal artery, RRA = right renal artery, SMA = superior mesenteric artery, CA = celiac artery, SMV = superior mesenteric vein, SV = splenic vein, and PV = portal vein.

Table 3: Average Percent Change in Flow (%)

	SCAo	IRAO	LRA	RRA	SMA	CA	SMV	SV	PV
Control	15.7 ± 14.8	-7.03 ± 24.4	3.58 ± 15.4	6.97 ± 17.5	98.8 ± 80.7	-3.73 ± 18.9	132 ± 80.7	-4.76 ± 32.3	56.7 ± 47.9
CMI-	21.1 ± 16.6	13.0 ± 31.1	2.03 ± 21.0	-0.950 ± 19.0	62.7 ± 66.5	0.930 ± 35.6	178 ± 147	-3.77 ± 36.0	72.1 ± 50.4
CMI+	<u>-2.57 ± 12.1</u>	-3.16 ± 27.1	-19.9 ± 26.1	-35.7 ± 37.1	23.5 ± 32.7	4.52 ± 8.53	<u>40.3 ± 55.6</u>	-11.7 ± 19.4	<u>11.7 ± 30.9</u>

Percent change values are expressed as mean \pm 1 standard deviation. **Bold** indicates statistical significance ($p < 0.05$) compared to controls. Underline indicates statistical significance ($p < 0.05$) between the CMI- and CMI+ group. SCAo = supraceliac aorta, IRAo = infrarenal aorta, LRA = left renal artery, RRA = right renal artery, SMA = superior mesenteric artery, CA = celiac artery, SMV = superior mesenteric vein, SV = splenic vein, and PV = portal vein.

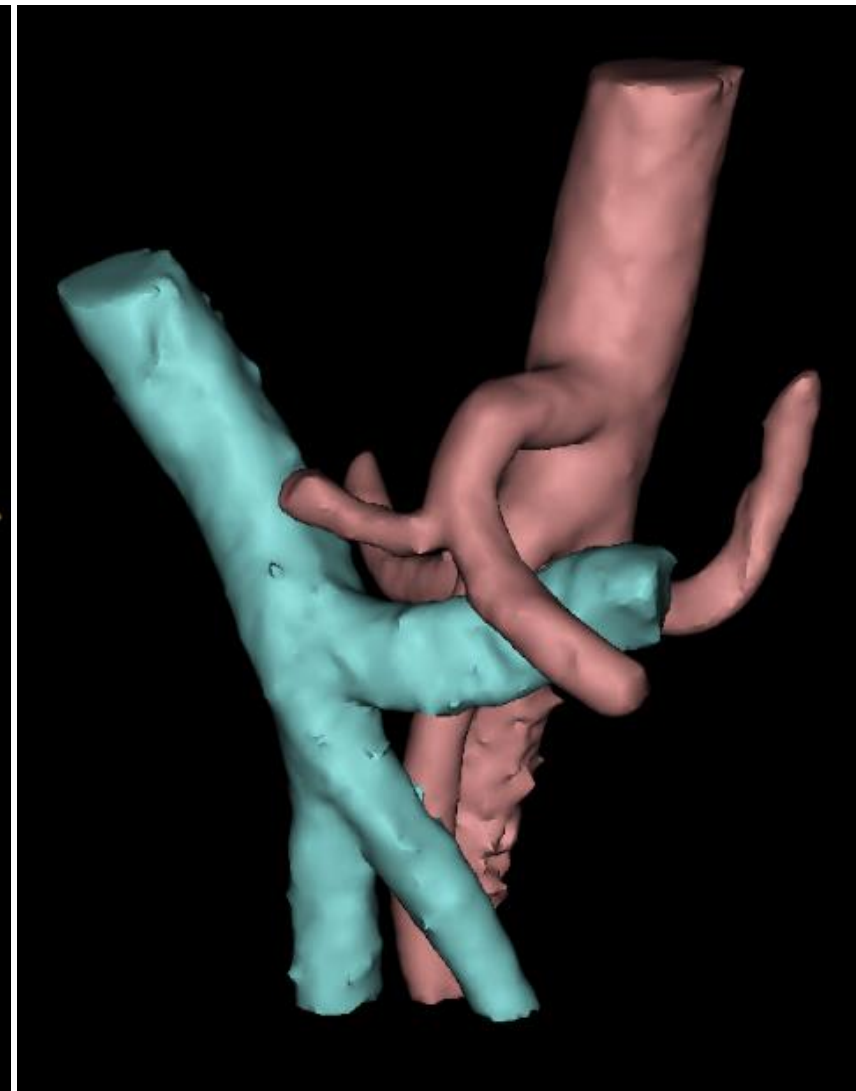
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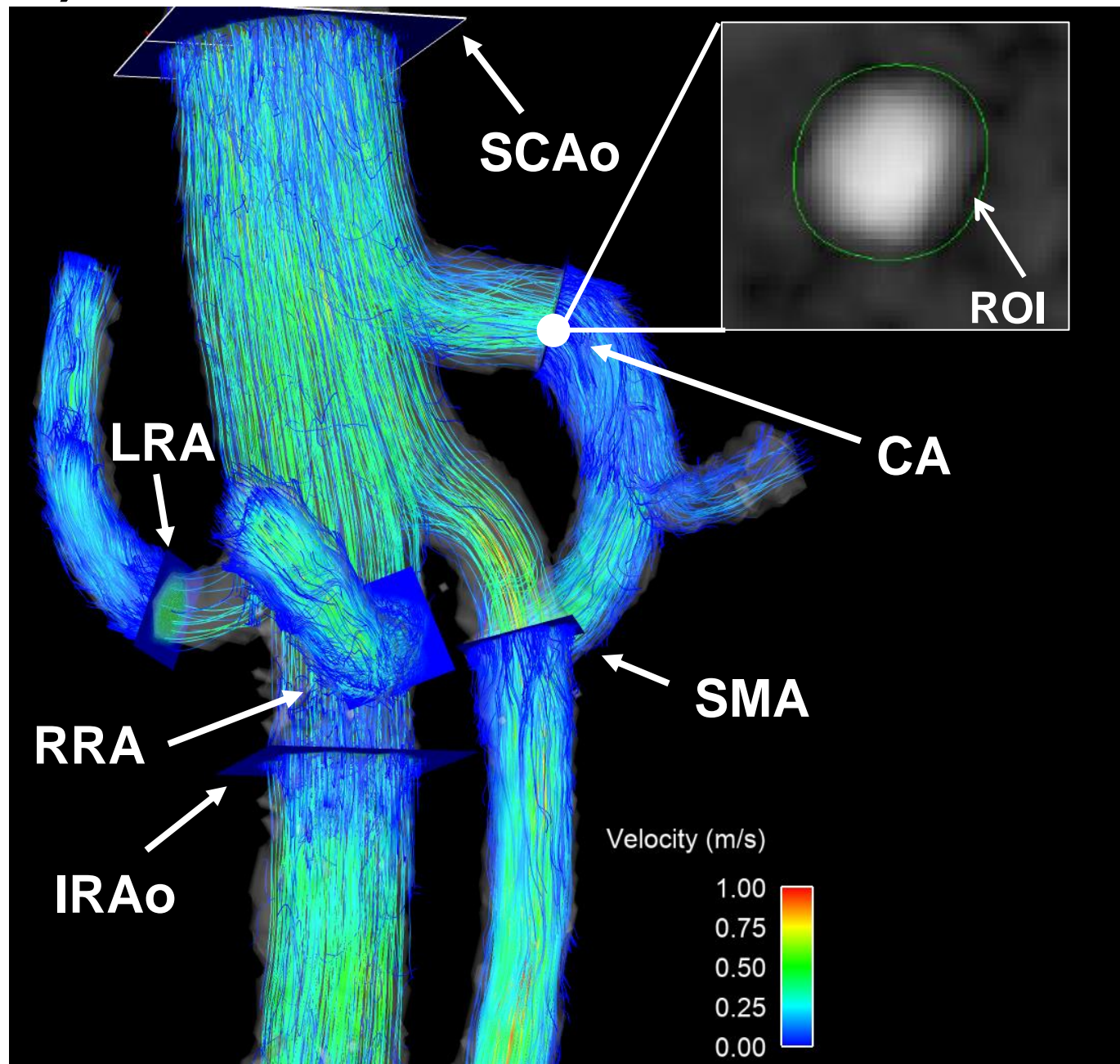
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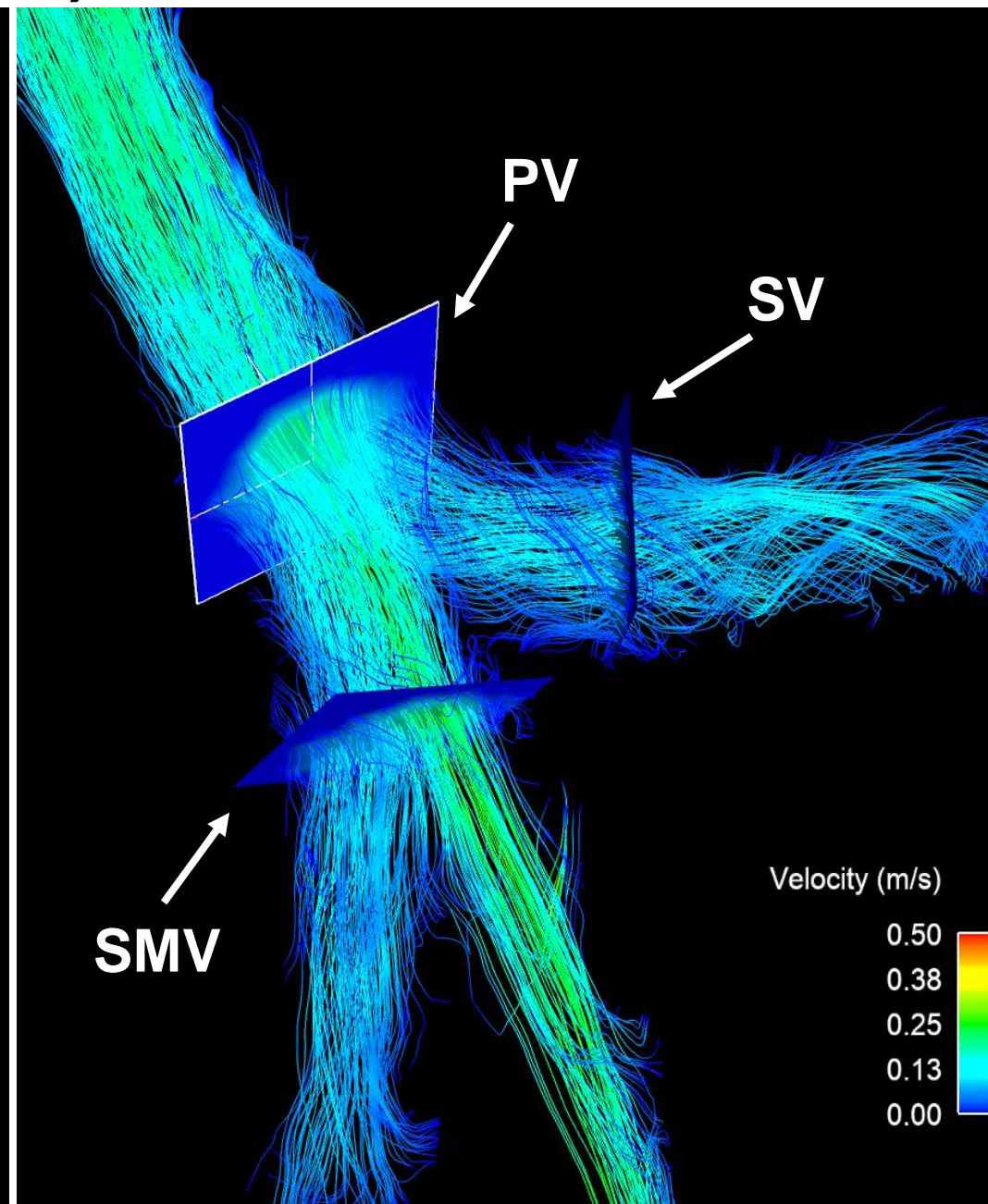
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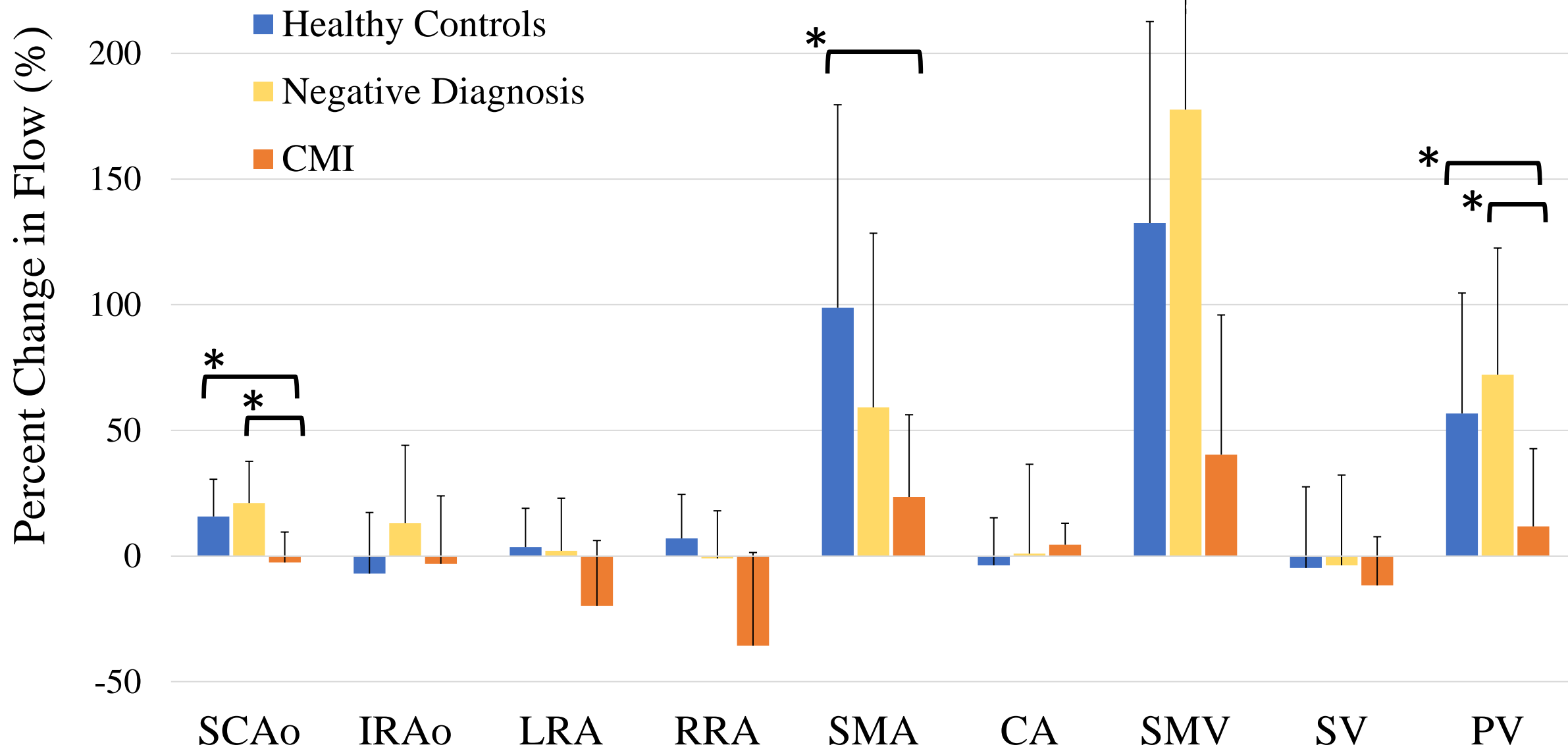
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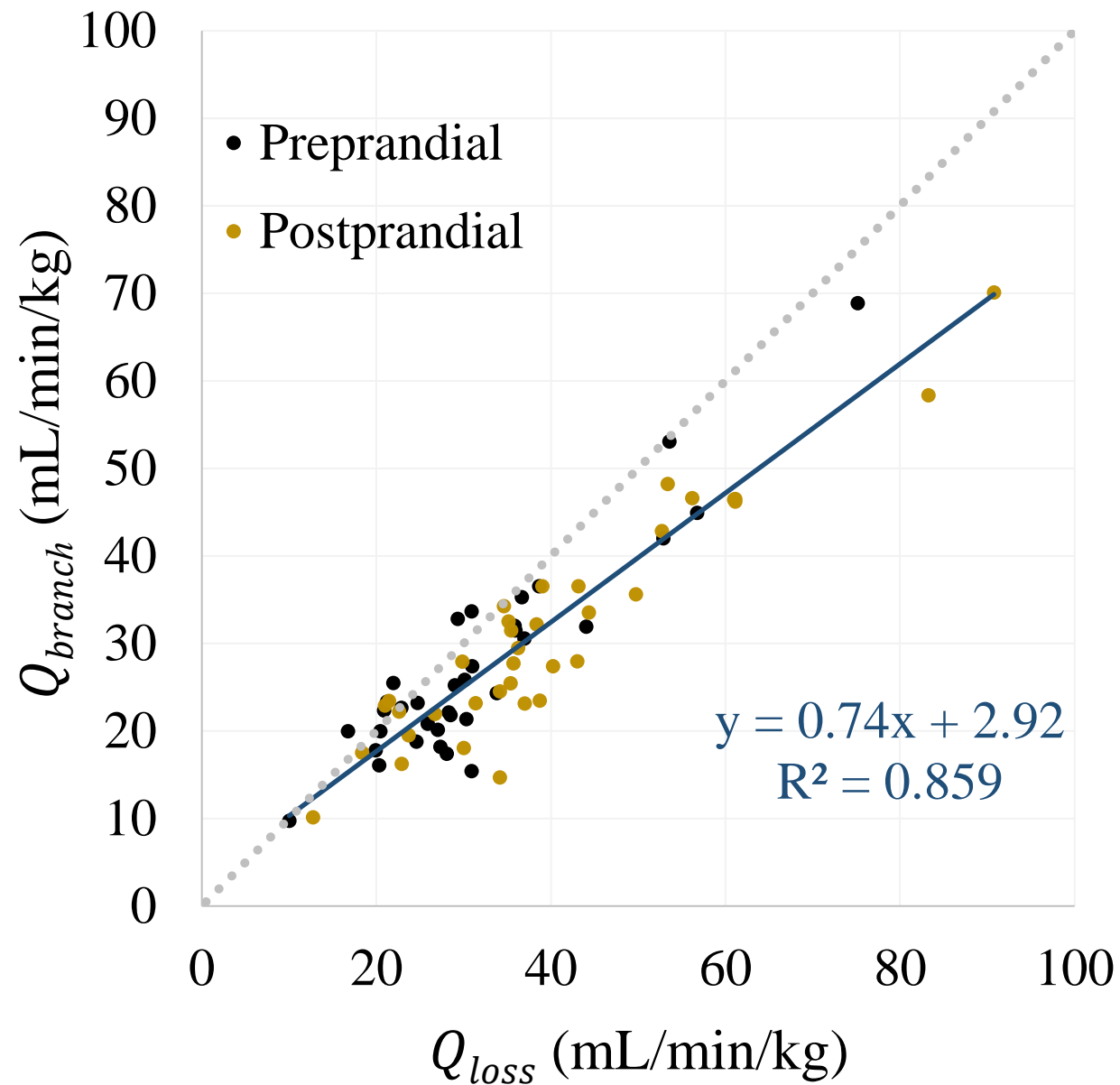
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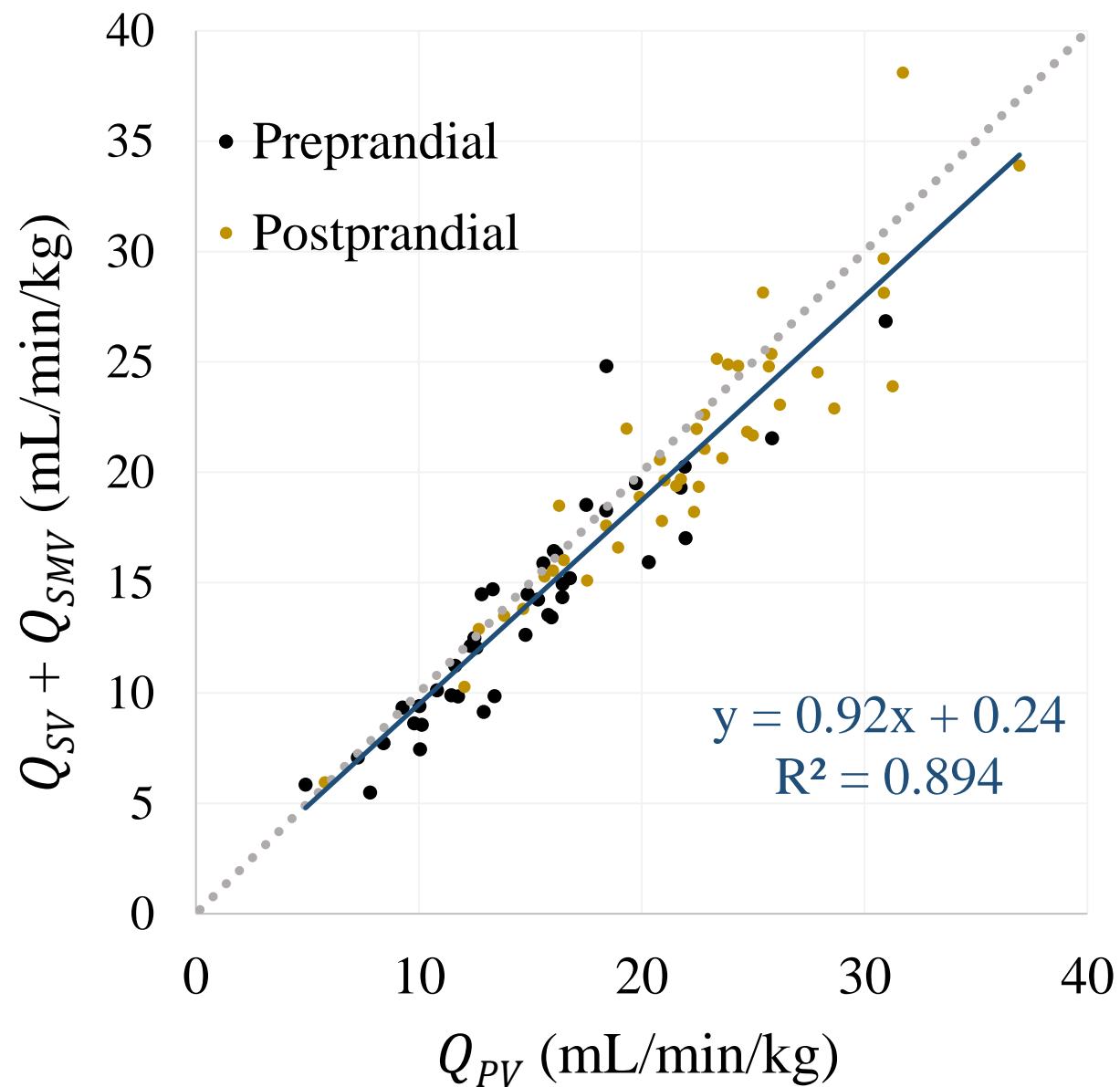
Average Flow Augmentation



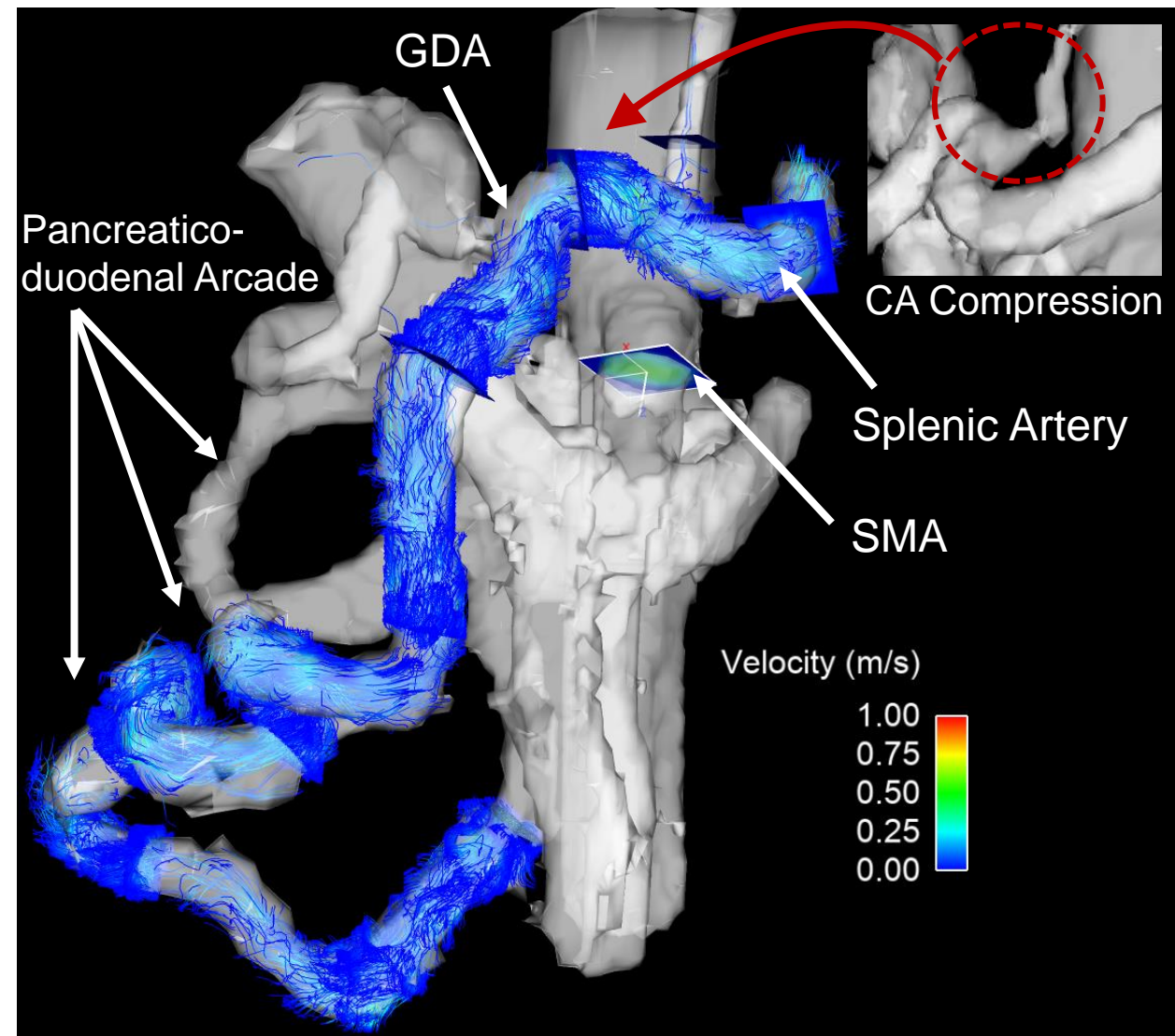
Arterial Conservation of Flow



Venous Conservation of Flow



a)



b)

