

Supplementary Table 5 Interobserver variability of segmental WSS analysis of the *peak systolic cardiac phase-2* from the scan exams

	WSSmax (mPa)						WSSmean (mPa)					
	Bland-Altman		COV (%)	Correlation*		ICC	Bland-Altman		COV (%)	Correlation*		ICC
	Mean difference (mPa)	Limits of agreement ($\pm 2\sigma$) (mPa)		<i>r</i>	<i>P</i>		Mean difference (mPa)	Limits of agreement ($\pm 2\sigma$) (mPa)		<i>r</i>	<i>P</i>	
Proximal AAO	-61.9	578.1	9	0.84	0.002	0.86	-68.9	323.8	11	0.76	0.011	0.86
Distal AAO	-99.0	387.1	7	0.82	0.004	0.94	-1.7	48.5	2	0.99	<0.001	0.99
Aortic arch	-1.5	205.8	4	0.96	<0.001	0.96	21.5	74.6	4	0.95	<0.001	0.95
Proximal DAAo	-70.2	234.2	6	0.84	0.002	0.84	-6.8	43.4	2	0.98	<0.001	0.98
Distal DAAo	-142.4	230.7	6	0.95	<0.001	0.90	-14.3	101.5	4	0.93	<0.001	0.94

*Spearman correlation coefficient

AAo ascending aorta, DAAo descending aorta, COV coefficient of variation, ICC intraclass correlation coefficient

Title: Scan-rescan reproducibility of segmental aortic wall shear stress as assessed by phase-specific segmentation with 4D flow MRI in healthy volunteers

Journal: Magnetic Resonance Materials in Physics, Biology and Medicine

Authors Roel LF van der Palen, Arno AW Roest, Pieter J van den Boogaard, Albert de Roos, Nico A Blom, Jos JM Westenberg

Corresponding author: Roel LF van der Palen; Division of Pediatric Cardiology, department of Pediatrics, Leiden University Medical Center, Leiden, the Netherlands. Albinusdreef 2, 2333 ZA, Leiden, the Netherlands. E-mail: r.vanderpalen@lumc.nl