

Supplemental table 2A Univariable and multivariable Cox proportional hazards model for risk of reintervention

	<b>All patients</b>			<b>Non-critical AS</b>			<b>Critical AS</b>		
	Univariable	Multivariable		Univariable	Multivariable		Univariable	Multivariable	
	<i>p</i>	<i>p</i>	HR (CI 95%)	<i>p</i>	<i>p</i>	HR (CI 95%)	<i>p</i>	<i>p</i>	HR (CI 95%)
<b>Gender, male/female</b>	0.9			0.55			0.63		
<b>Gestational age, weeks</b>	<b>0.024</b>	0.41	0.9 (0.8–1.1)	0.24			0.45		
<b>Birth weight</b>	0.54			0.24			0.58		
<b>Duct dependent</b>	<b>0.001</b>	0.11	2.1 (0.8–5.3)	NA			<b>0.052</b>	0.21	1.8 (0.7–4.8)
<b>Aortic annulus, z-score</b>	<b>&lt;0.001</b>	<b>0.024</b>	0.8 (0.6–1.0)	0.32	0.46	0.9 (0.6–1.3)	<b>0.002</b>	<b>0.014</b>	0.7 (0.5–0.9)
<b>EFE</b>	<b>0.013</b>	0.52	0.7 (0.3–1.9)	NA			0.42		
<b>LVEDd, z-score</b>	0.56			0.37			0.86		
<b>LVPWd, z-score</b>	0.30			0.94			0.48		
<b>LVFS, %</b>	0.11	0.63	1.0 (1.0–1.0)	0.50	0.17	1.1 (1.0–1.2)	0.51	0.25	1.0 (0.9–1.0)
<b>Peak aortic gradient</b>	0.98			0.69					
<b>Residual peak gradient</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	1.0 (1.0–1.1)	<b>0.003</b>	<b>0.026</b>	1.0 (1.0–1.1)	<b>&lt;0.001</b>	<b>&lt;0.001</b>	1.1 (1.0–1.1)
<b>Valve morphology:</b>									
<b>Tricuspid (ref)</b>									
<b>Bicuspid</b>	0.58			0.53			0.54		
<b>Unicuspid</b>	0.19						0.33		
<b>AR post first intervention:</b>									
<b>No AR (ref)</b>									
<b>AR grade 1</b>	0.76			0.57			0.90		
<b>AR grade 2 or 3*</b>	0.63			0.77			0.29		

Bold indicates *p*-values <0.1. Pre- and post-treatment aortic valve gradients were measured with echo Doppler. \*No patient had AR grade 4. (AS, aortic stenosis; HR, hazard ratio; CI, confidence interval; LVEDd, left ventricle end diastolic diameter; LVPWd, left ventricle posterior wall diameter; AR, Aortic regurgitation.)