

Supplemental table 2B Univariable and multivariable Cox proportional hazards model for risk of aortic valve replacement

	All patients			Non-critical AS			Critical AS		
	Univariable <i>p</i>	Multivariable <i>p</i> HR (CI 95%)		Univariable <i>p</i>	Multivariable <i>p</i> HR (CI 95%)		Univariable <i>p</i>	Multivariable <i>p</i> HR (CI 95%)	
<b>Gender, male/female</b>	0.44			0.68			0.52		
<b>Gestational age, weeks</b>	<b>0.027</b>	0.27	0.9 (0.8–1.1)	0.18			0.18		
<b>Birth weight</b>	0.10			0.40			0.29		
<b>Duct dependent</b>	<b>0.01</b>	0.59	1.4 (0.4–4.7)	NA			<b>0.05</b>	0.49	1.6 (0.4–6.1)
<b>Aortic annulus, z-score</b>	<b>0.024</b>	0.18	0.8 (0.6–1.1)	0.79			<b>0.015</b>	<b>0.027</b>	0.5 (0.2–0.9)
<b>EFE</b>	<b>0.057</b>	0.88	0.9 (0.3–3.0)	NA			0.39		
<b>LVEDd, z-score</b>	0.69			0.36			0.54		
<b>LVPWd, z-score</b>	0.15			0.94			0.067	0.14	0.7 (0.4–1.1)
<b>LVFS, %</b>	0.64			0.30			0.88	0.66	1.0 (0.9–1.0)
<b>Peak aortic gradient</b>	0.99			0.99			0.39		
<b>Residual peak gradient</b>	0.18			0.46			0.24		
<i>Valve morphology</i>									
<b>Tricuspid (ref)</b>									
<b>Bicuspid</b>	0.82			0.84			0.70		
<b>Unicuspid</b>	0.24						0.30		
<i>AR post first intervention</i>							0.019	<b>0.021</b>	
<b>No AR (ref)</b>									
<b>AR grade 1</b>	0.56	0.74	1.2 (0.4–3.0)	0.64			0.16	0.62	0.7 (0.2–2.9)
<b>AR grade 2 or 3*</b>	<b>0.075</b>	0.15	2.6 (0.7–9.7)	0.76			<b>0.005</b>	<b>0.021</b>	7.7 (1.4–44.0)

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.)