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

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