

Supplementary table 3: Crude and Adjusted Hazard Ratios for non-perioperative mortality in 332* Aboriginal RHD Surgical Patients.

Preoperative characteristics	Univariate Analysis		Multivariate Analysis	
	Hazard Ratio (95% CI)	P-value	Hazard Ratio (95% CI)	P-value
Age at first surgery \geq 16 years	3.7 (1.5-9.2)	0.004	3.0 (1.1-8.3)	0.04
Female ^a	1.1 (0.7-1.8)	0.6	1.1 (0.7-1.9)	0.6
Severe pulmonary hypertension ^b	2.4 (1.5-3.9)	<0.001	1.9 (1.1-3.1)	0.01
NYHA class 3 and 4	1.8 (1.1-3.0)	0.01	1.2 (0.7-2.1)	0.5
Atrial fibrillation or flutter	1.0 (0.6-1.7)	1.0		
Moderate or greater LV dysfunction	2.7 (0.8-8.6)	0.09	3.2 (0.9-11.1)	0.06
Diabetes mellitus	2.5 (1.4-4.3)	0.001	1.3 (0.6-2.8)	0.5
Smoking history ^c	1.6 (1.0-2.7)	0.045	1.0 (0.5-1.9)	0.9
Hypercholesterolemia	1.8 (1.0-3.2)	0.03	1.4 (0.7-2.7)	0.3
Hypertension	1.7 (1.1-2.8)	0.03	0.8 (0.4-1.7)	0.7
Severity of coronary artery disease ^d	4.0 (1.6-9.9)	0.003	2.7 (1.0-7.6)	0.06
Previous Myocardial infarction	1.6 (0.6-4.0)	0.3		
Transient ischemic attack	1.9 (0.5-7.9)	0.4		
Embolic stroke	1.4 (0.4-4.6)	0.5		
Haemorrhagic stroke				
Bronchiectasis	2.2 (0.9-5.4)	0.09	1.3 (0.4-3.8)	0.6
Chronic obstructive pulmonary disease	2.3 (1.2-4.1)	0.007	1.0 (0.4-2.6)	1.0
Obstructive sleep apnoea	2.6 (0.6-10.8)	0.2		
Chronic kidney disease ^e	9.1 (4.3-19.1)	<0.001	6.4 (2.9-14.3)	<0.001

RHD: Rheumatic heart disease, LV: Left ventricle, NYHA: New York Heart Assessment.

*All perioperative deaths, 5 (1.5%) at the first and 5 (6.8%) at the second surgery are excluded

^a binary defined by health workers.

^b pulmonary hypertension \geq 50mmHg (at cardiac catheterisation or estimated at echocardiography).

^c current or previous tobacco smoker.

^d moderate to severe and severe stenosis on coronary angiogram pre-first surgery.

^e estimated glomerular filtration rate < 60ml/min/1.73m².