

	All N=342	Children <sup>a</sup> N=61	Adults <sup>b</sup> N=281
<b>Comorbidity n (%)</b>			
Chronic kidney disease <sup>c</sup>	18 (5.3)	0	18 (6.4)
<b>Cardiovascular risk factors</b>			
Diabetes	43 (12.6)	1 (1.6)	42 (14.9)
Smoking history <sup>d</sup>	172 (50.3)	8 (13.1)	164 (58.4)
Hypercholesterolemia	60 (19.2)	0	60 (23.8)
Hypertension	82 (24.0)	0	82 (29.2)
<b>Chronic lung disease</b>			
COPD	33 (9.6)	0	33 (11.7)
Bronchiectasis	13 (3.8)	0	13 (4.6)
Obstructive sleep apnoea	5 (1.5)	0	5 (1.8)
<b>Cerebrovascular disease</b>			
Transient ischemic attack	5 (1.5)	0	5 (1.8)
Embolic stroke	8 (2.3)	0	8 (2.8)
Haemorrhagic stroke	7 (2.0)	0	7 (2.5)
<b>Coronary artery disease</b>			
Myocardial infarction	23 (6.7)	0	23 (8.2)
moderate or greater stenosis reported on coronary angiogram	28 (8.2)	0	28 (10.0)
Three and four vessel coronary artery disease	14 (4.1)	0	14 (5.0)

**Supplementary table 1: pre-operative characteristics of patients at the time of first surgery**

COPD: chronic obstructive pulmonary disease

<sup>a</sup> those <16 years at time of first surgery<sup>b</sup> those ≥16 years at time of first surgery<sup>c</sup> estimated glomerular filtration rate < 60ml/min/1.73m<sup>2</sup>.<sup>d</sup> current or previous tobacco smoker.