

Detailed descriptions of the surgical procedures

Variable	Non-AKI (n=540)	AKI (n=581)	p-value
CPB duration (min), n (%)			0.470
100<, ≤150	159(54.1)	165(50.0)	
150<, ≤200	346(45.9)	369(50.0)	
>200	35(45.9)	47(50.0)	
Aortic cross-clamp time (min), n (%)			0.632
60<, ≤120	293(58.1)	310(52.6)	
120<, ≤150	226(27.0)	241(28.9)	
>150	21(14.9)	30(18.4)	
DHCA: Core temperature (°C), n (%)			0.073
18<, ≤22	276(12.1)	328(14.5)	
22<, ≤28	264(13.5)	253(11.8)	
Types of procedure, n (%)			0.463
Hemiarch replacement	223(16.2)	235(13.2)	
Total arch replacement	271(68.9)	282(76.3)	
Endovascular techniques*	33(14.9)	43(10.5)	
Debranching Techniques [#]	13(14.9)	21(10.5)	

**Involve placing a stent-graft within the aorta through a small incision, generally in the groin, and using imaging to guide placement; #involve creating separate bypass grafts for the branches of the arch before performing the arch repair. AKI: Acute kidney injury; CPB: Cardiopulmonary bypass; DHCA: Deep hypothermic circulatory arrest.*