

Appendix 1: Supplemental material

Supplemental Table S1: Univariate analysis for in-hospital mortality stratified by Group A and Group B

Covariates	OR (95% CI)	Group A OR (95% CI)	Group B OR (95% CI)
Group (B vs A)	1.22 (0.11 to 13.61)	-	-
Age, per year	1.05 (0.90 to 1.23)	1.20 (0.87 to 1.65)	0.99 (0.82 to 1.21)
RCRI, per point	2.29 (0.55 to 9.56)	OMITTED	0.79 (0.09 to 7.05)
Clamp (supra vs infra-renal)	2.82 (0.25 to 31.42)	OMITTED	1.07 (0.07 to 17.28)

Abbreviations: CI, Confidence Interval; OR, Odds ratio; RCRI, Revised Cardiac Risk Index. Omitted values present when variable predicts failure perfectly.

Supplemental Table S2: Multivariable logistic regression for in-hospital mortality stratified by Group A and Group B

Covariates	OR (95% CI)	Group A OR (95% CI)	Group B OR (95% CI)
Group (B vs A)	0.95 (0.08 to 11.20)	-	-
Age, per year	1.04 (0.88 to 1.23)	1.06 (0.79 to 1.42)	1.00 (0.82 to 1.21)
RCRI, per point	2.00 (0.45 to 8.80)	OMITTED	0.79 (0.09 to 7.22)
Clamp (supra- vs infra-renal)	2.30 (0.19 to 27.84)	OMITTED	1.09 (0.06 to 18.18)

Abbreviations: CI, Confidence Interval; OR, Odds ratio; RCRI, Revised Cardiac Risk Index. Omitted values present when variable predicts failure perfectly.

Supplemental Table S3: Univariate analysis for in-hospital morbidity stratified by Group A and Group B

Covariates	OR (95% CI)	Group A OR (95% CI)	Group B OR (95% CI)
Group (B vs A)	2.00 (1.13 to 3.54)	-	-
Age, per year	1.06 (1.03 to 1.11)	1.06 (0.99 to 1.13)	1.07 (1.02 to 1.12)
Sex (male vs female)	0.69 (0.35 to 1.36)	OMITTED	0.39 (0.18 to 0.85)
RCRI, per point	1.74 (1.19 to 2.55)	2.56 (1.20 to 5.46)	1.45 (0.93 to 2.27)
Clamp (supra vs infra-renal)	1.26 (0.75 to 2.13)	0.96 (0.34 to 2.73)	1.21 (0.64 to 2.25)

Abbreviations: CI, Confidence Interval; OR, Odds ratio; RCRI, Revised Cardiac Risk Index. Omitted values present when variable predicts failure perfectly.

Supplemental Table S4: Multivariable logistic regression for in-hospital morbidity stratified by Group A and Group B

Covariates	OR (95% CI)	Group A OR (95% CI)	Group B OR (95% CI)
Group (B vs A)	1.75 (0.96 to 3.17)	-	-
Age, per year	1.06 (1.02 to 1.10)	1.05 (0.98 to 1.13)	1.06 (1.01 to 1.11)
Sex, male vs female	0.67 (0.33 to 1.37)	OMITTED	0.39 (0.17 to 0.89)
RCRI, per point	1.63 (1.10 to 2.42)	2.22 (0.26 to 4.87)	1.42 (0.89 to 2.26)
Clamp (supra- vs infra-renal)	1.03 (0.59 to 1.79)	0.80 (0.26 to 2.51)	1.18 (0.61 to 2.29)

Abbreviations: CI, Confidence Interval; OR, Odds ratio; RCRI, Revised Cardiac Risk Index. Omitted values present when variable predicts failure perfectly.

Supplemental Table S5: Multivariable linear regression to predict length of stay

Covariates	β (95% CI)
Group (B vs. A)	-0.20 (-1.60 to 1.21)
Age, per year	0.15 (0.08 to 0.21)
Sex (male vs. female)	-0.16 (-1.99 to 1.67)
RCRI, per point	2.27 (1.24 to 3.29)
Clamp (supra- vs infra-renal)	0.51 (-0.87 to 1.88)

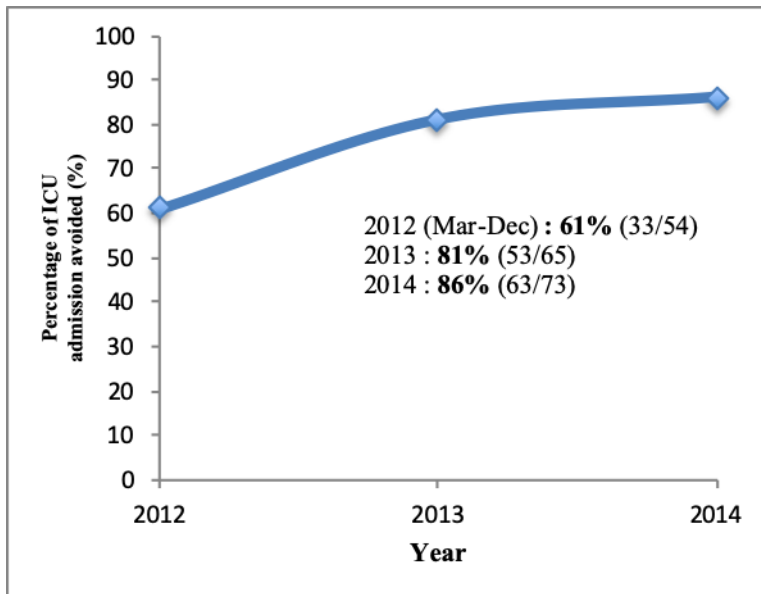


Figure 1: Percentage of ICU admission avoided per year post implementation of our intermediate care unit (Group B).

Appendix 1 to Dion D, Drudi LM, Beaudoin N, et al. Safety of transition from a routine to a selective intensive care admission pathway after elective open aneurysm repair. *Can J Surg* 2021.

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Supplemental Fig. S1: Percentage of ICU admission avoided per year post implementation of our intermediate care unit (Group B).