

## Supplementary article data

# Can total knee arthroplasty be safely performed in patients with chronic renal disease?

## An evaluation of perioperative morbidity in 2,686 procedures from a Total Joint Replacement Registry

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Appendix. Crude and adjusted associations of outcomes in TKA cases with chronic kidney disease compared to cases without chronic renal disease, 2005–2010 (n = 36,872; complete data only)

	Crude HR/OR	95% CI	p-value	Adjusted <sup>a</sup> HR/OR	95% CI	p-value
Hazard ratio – Time-dependent						
Revision (any)	1.11	0.83–1.48	0.5	1.07	0.79–1.46	0.7
Aseptic revision	0.97	0.64–1.47	0.9	1.14	0.74–1.75	0.6
Mortality (any time)	2.81	2.33–3.40	< 0.001	1.50	1.23–1.85	< 0.001
Odds ratio – Not time-dependent						
Septic revision	1.13	0.75–1.70	0.6	0.89	0.58–1.37	0.6
Surgical site infection (deep)	1.40	1.00–1.96	0.05	1.23	0.86–1.75	0.3
Surgical site infection (superficial)	1.69	0.96–2.95	0.07	1.85	1.03–3.35	0.04
Pulmonary embolism	1.09	0.64–1.85	0.7	0.91	0.52–1.57	0.7
Deep vein thrombosis	1.35	0.79–2.30	0.3	0.94	0.54–1.65	0.9
Mortality within 30 days	1.11	0.40–3.08	0.8	0.56	0.19–1.63	0.3
Mortality within 90 days	1.73	0.92–3.26	0.09	0.85	0.43–1.65	0.6
Re-admission within 90 days <sup>b</sup>	1.81	1.52–2.16	< 0.001	1.34	1.11–1.61	0.003

HR: hazard ratio; OR: odds ratio.

<sup>a</sup> Models adjusted for age, sex, ethnicity, American Society of Anaesthesiologists scores, surgery indication (osteoarthritis vs. other diagnosis), and comorbidities (diabetes, heart failure, valvular disease, peripheral vascular disease, alcohol abuse, and hypertension).

<sup>b</sup> Limited sample for re-admission data, 2009 onwards (n = 16,419; complete data only).