Supplementary material

Remote ischemic preconditioning in non-cardiac surgery (PRINCE): a multinational, double blind, sham-controlled, randomized clinical trial

**Collaborators**

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Supplementary Table 1. Staging of acute kidney injury (KDIGO criteria).

| Stage | Serum creatinine | Urine output |
| --- | --- | --- |
| 1 | 1.5 to 1.9 times baseline or ≥0.3 mg/dL (≥26.5 μmol/L) increase | <0.5 mL/kg/hour for 6 to 12 hours |
| 2 | 2.0 to 2.9 times baseline | <0.5 mL/kg/hour for ≥12 hours |
| 3 | 3.0 times baseline or increase in serum creatinine to ≥4.0 mg/dL (≥353.6 μmol/L) or initiation of renal replacement therapy or in patients <18 years a decrease in eGFR to <35 mL/minute per 1.73 m2 | <0.3 mL/kg/hour for ≥24 hours or anuria for ≥12 hours |

eGFR, estimated glomerular filtration rate.

Supplementary Table 2. Randomized Controlled Trials on RIPC performed in non-cardiac surgery (modified from Lamidi *et al*. [43] 2021 J Surg Res).

|  |  |  |  |
| --- | --- | --- | --- |
| First Author | Year | No. Patients | Surgery |
| Pedersen | 2019 | 142 | Vascular |
| Kepler | 2019 | 90 | Vascular |
| Garcia | 2016 | 201 | Vascular |
| Thomas | 2016 | 85 | Vascular |
| Healy | 2015 | 198 | Vascular |
| Mouton | 2015 | 69 | Vascular |
| Li | 2013 | 62 | Vascular |
| Walsh | 2010 | 70 | Vascular |
| Walsh | 2009 | 40 | Vascular |
| Ekeloef | 2019 | 573 | Orthopedic |
| Oh | 2020 | 63 | Orthopedic |
| Oh | 2017 | 72 | Orthopedic |
| Memtsoudis | 2014 | 60 | Orthopedic |
| Murphy | 2010 | 20 | Orthopedic |
| Lin | 2010 | 30 | Orthopedic |
| Hu | 2010 | 40 | Neurosurgery |
| Teo | 2020 | 50 | Liver surgery |
| Liu | 2019 | 136 | Urology |
| Hou | 2017 | 65 | Urology |
| Sales | 2017 | 60 | Neurosurgery |
| He | 2017 | 90 | Colorectal |
| Kanoria | 2016 | 16 | Liver surgery |
| Krag | 2016 | 60 | Head and Neck |
| Huang | 2013 | 82 | Urology |
| Antonowicz | 2018 | 84 | Gastrointestinal |

Supplementary Table 3. Cardiac risk stratification for non-cardiac surgical procedures according to 2002 ACC/AHA guidelines.

|  |
| --- |
| High Cardiac Risk (Reported cardiac risk often greater than 5%) |
|  | Emergent major operation, particularly in the elderly |
| Aortic and other major vascular surgery |
| Peripheral vascular surgery |
| Anticipated prolonged surgical procedures associated with large fluid shifts and/or blood loss |
| Intermediate Cardiac Risk (reported cardiac risk generally less than 5%) |
|  | Carotid endarterectomy |
| Head and neck surgery |
| Intraperitoneal and intrathoracic surgery |
| Orthopedic surgery |
| Prostate surgery |
| Low Cardiac Risk (reported cardiac risk generally less than 1%) |
|  | Endoscopic procedures |
| Superficial procedure |
| Cataract surgery |
| Breast Surgery |