**Supplementary Table 3: Currently registered, active or recruiting RCTs for the prevention or therapy of acute kidney.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Intervention** | **Study population** | **Sample size** | **NCT** | **Status #** |
| ***Anesthetics and sedatives*** | | | | |
| **Sevoflurane vs. Propofol** | surgical patients (elective back surgery) | 60 | NCT03336801 | Recruiting |
| **Dexmedetomidine vs. placebo** | cardiac surgery (on-pump surgery for endocarditis) | 94 | NCT02698930 | Recruiting |
|  | cardiac surgery (on-pump for aortic surgery) | 108 | NCT02607163 | Recruiting |
| ***Fluids and electrolytes*** | | | | |
| **Balanced vs. saline fluids** | ICU patients at risk for AKI | 11000 | NCT02875873 | Recruiting |
|  | ER patients with septic shock | 236 | NCT03277677 | Recruiting |
|  | patients with shock | 40 | NCT03188614 | Not yet recruiting |
|  | coronary angiography patients | 240 | NCT02980003 | Unknown+ |
|  | patients receiving RCA | 1660 | NCT02799368 | Recruiting |
| **RenalGuard® vs. standard fluid management** | coronary angiography patients | 300 | NCT02793661 | Unknown+ |
|  | cardiac surgery (elective on-pump) | 220 | NCT02974946 | Unknown+ |
|  | TAVI patients | 220 | NCT01866800 | Recruiting |
| **Ultrasound guided vs. standard fluid therapy** | surgical patients (major surgery and ICU administration) | 180 | NCT03509935 | Recruiting |
| **Magnesium loading vs. placebo** | cisplatin treatment for head and neck cancer | 100 | NCT02481518 | Recruiting |
| **Lithium vs. placebo** | cardiac surgery (elective on-pump) | 50 | NCT03056248 | Not yet recruiting |
| **Sodium nitrate vs. placebo** | cardiac surgery (elective on-pump) | 40 | NCT03331146 | Withdrawn |
| **Oral vs. intravenous sodium chloride** | CT scan with RCA | 266 | NCT03476460 | Recruiting |
| **Hemodynamic optimization vs. standard care** | cardiac surgery (any on-pump) | 850 | NCT03396770 | Recruiting |
| ***Diuretics*** | | | | |
| **Spironolactone vs. placebo** | major cancer surgery patients | 24 | NCT02531412 | Unknown+ |
|  | ICU patients, mechanically ventilated | 90 | NCT03206658 | Not yet recruiting |
|  | coronary angiography patients | 500 | NCT03329443 | Completed |
| **Furosemide vs. placebo** | hospitalized patients with AKI | 200 | NCT01275729 | Recruiting |
| **Aminophylline + furosemide vs. placebo** | hospitalized patients with AKI | 60 | NCT02983422 | Unknown+ |
| ***Other drugs*** | | | | |
| **BB3 vs. placebo** | cardiac surgery (elective on-pump) | 100 | NCT02771509 | Recruiting |
|  | deceased donor kidney recipients | 152 | NCT02474667 | Recruiting |
| **Berberine vs. placebo** | High-risk patients exposed to RCA | 800 | NCT02808351 | Recruiting |
| **C1-esterae inhibitor vs. placebo** | high-risk patients exposed to RCA | 80 | NCT02869347 | Completed |
| **Calciferol vs. Calcitriol vs. placebo** | ICU patients | 150 | NCT02962102 | Recruiting |
| **Erythropoietin vs. placebo** | hospitalized patients with AKI and anemia | 198 | NCT03401710 | Recruiting |
|  | cardiac surgery (open-heart surgery) | 100 | NCT03007537 | Unknown+ |
| **h-ANP vs. placebo** | cardiac surgery (de novo HTX) | 100 | NCT02665377 | Recruiting |
| **iNO vs. N2** | cardiac surgery (elective on-pump) | 250 | NCT02836899 | Recruiting |
| **L-carnitine vs. placebo** | ICU patients with septic shock AKI stage 3 | 272 | NCT02664753 | Recruiting |
| **Levosimendan vs. placebo** | cardiac surgery (any on-pump) | 30 | NCT02531724 | Recruiting |
|  | hospitalized patients | 68 | NCT01720030 | Unknown+ |
| **QPI-1002 vs. placebo** | cardiac surgery (elective on-pump) | 1088 | NCT03510897 | Recruiting |
| **Reltecimod vs. placebo** | septic ICU patients with AKI > stage 2 | 120 | NCT03403751 | Recruiting |
| **Rosuvastatin and hydration vs. placebo** | STEMI patients undergoing PCI | 700 | NCT03526367 | Not yet recruiting |
| ***RIPC*** | | | | |
| **RIPC vs. sham-RIPC** | surgery patients (nephrectomy) | 86 | NCT03273751 | Recruiting |
|  | CA for non-ST elevation MI or UA | 110 | NCT03236441 | Recruiting |
| **RIPC with different cycle lengths** | cardiac surgery (any on-pump) | 180 | NCT02997748 | Recruiting |
| ***CPB technique*** | | | | |
| **CPB with cytokine filter vs. standard CPB** | cardiac surgery (elective on-pump) | 340 | NCT02518087 | Recruiting |
|  | cardiac surgery (elective on-pump) | 400 | NCT03384875 | Recruiting |
| **Oxygen delivery guided CPB technique vs. Standard** | cardiac surgery (any on-pump) | 700 | NCT02250131 | Recruiting |
| **Albumin priming CPB vs. Plasma-Lyte**® **priming CPB** | cardiac surgery (any on-pump) | 250 | NCT03373318 | Recruiting |
| ***RRT*** | | | | |
| **early vs. late RRT** | ICU patients | 2866 | NCT02568722 | Recruiting |
|  | ICU patients | 2 | NCT02937935 | Not yet recruiting |
|  | ICU patients with septic shock and AKI | 150 | NCT03343340 | Recruiting |
|  | ICU patients with AKI stage 3 | 810 | NCT03396757 | Recruiting |
|  | ICU patients with septic shock and AKI | 150 | NCT02937961 | Recruiting |
|  | ICU patients with AKI | 600 | NCT03175328 | Not yet recruiting |
| **CVVH vs. CVVHD** | ICU patients with indication for RRT | 20 | NCT01062984 | Unknown+ |
| **Citrate vs. Heparin anticoagulation** | ICU patients with indication for RRT | 1450 | NCT02669589 | Recruiting |
| **Clinically vs. BIA fluid management** | ICU patients with septic shock AKI | 218 | NCT02384525 | Recruiting |
| **Low vs. high sodium dialysate** | ICU patients with indication for RRT | 158 | NCT03329313 | Recruiting |
| **Intensive vs. low PD dosage** | hospitalized patients with indication for RRT | 120 | NCT03438877 | Recruiting |
| ***AKI alerts*** | | | | |
| **Alert vs. no alert** | hospitalized patients | 4400 | NCT02786277 | Not yet recruiting |
|  | hospitalized patients | 6030 | NCT02753751 | Recruiting |
| **Alert + nephrologist consultation vs. no alert** | hospitalized patients | 2000 | NCT02793167 | Recruiting |
| **Alert vs. nephrotoxic agent alert vs. no alert** | hospitalized patients | 5000 | NCT02771977 | Not yet recruiting |
| **Alert + KDIGO guideline bundle reminder vs. no alert** | ICU patients | 984 | NCT01621152 | Active, not recruiting |
| ***Other interventions*** |  |  |  |  |
| **Low vs. high pressure capnoperitoneum** | Living donor nephrectomy patients | 44 | NCT03219398 | Completed |
| **Mild hypothermia vs. Normothermia** | surgical patients (liver transplantation) | 230 | NCT03534141 | Recruiting |
| **Blue light vs. Ambient light exposure** | cardiac surgery (any on-pump) | 30 | NCT02928887 | Not yet recruiting |
| **Nephrologist intervention vs. standard care** | hospitalized patients | 1100 | NCT02643745 | Recruiting |
|  | hospitalized patients | 180 | NCT03590028 | Not yet recruiting |
|  | hospitalized patients | 1100 | NCT02643745 | Recruiting |
| **Bundle implementation vs. standard care** | cardiac surgery (biomarker positive after CPB) | 310 | NCT03244514 | Recruiting |
|  | ICU patients | 450 | NCT03178435 | Active, not recruiting |
|  | hospitalized VAD patients | 900 | NCT03236103 | Not yet recruiting |
| **Decision support system vs. standard care** | surgical patients (general & vascular) | 1206 | NCT03564314 | Recruiting |
|  | surgery patients (general or central neuraxial anesthesia) | 16000 | NCT02726620 | Active, not recruiting |
| **Out-patient follow up vs. standard care** | hospitalized patients | 166 | NCT02915575 | Recruiting |
|  | hospitalized patients with AKI >KDIGO2 | 200 | NCT02483039 | Active, not recruiting |
| **Educational intervention vs. standard care** | hospitalized patients | 50 | NCT03165552 | Active, not recruiting |
| **Cell-therapy mesenchymal stromal cell vs. Placebo** | RRT due to AKI | 24 | NCT03015623 | Recruiting |
| **Transradial vs. transfemoral catheterization** | coronary angiography patients | 100 | NCT02933892 | Recruiting |

BB3: hepatocyte growth factor/scatter factor (HGF/SF) mimetic; BIA: bioelectric impedance analysis; CPB: cardiopulmonary bypass; CVVH: continuous veno-venous hemodialysis; CVVHD: continuous veno-venous hemodiafiltration; h-ANP: human atrial natriuretic peptide; ICU: Intensive care unit; iNO: inhalative nitric oxide; PD: peritoneal dialysis; RIPC: Remote ischemic preconditioning;

#Status of the study as of 24th of January 2019.

+ Study has passed its completion date and status has not been verified in more than two years