

## Clinical Summary of CC Lit Review 2023

### Airway

DEVICE Trial: During Emergent Intubations, VL is superior to DL in new / low volume operators  
PREPARE II Trial: peri-intubation hypotension should be treated with pressers, not volume  
Driver et al, Recall Awareness: 1/10 patients with emergent RSI had post intubation Awareness

### Resuscitation

New AHA / ICLOR guidelines:

- Consider ECPR for IHCA/OHCA
- Double sequential external defibrillation (DSED) & Vector Change refractory VF / VT
- STOP USING empiric IV Calcium for OHCA /IHCA

TAME Trial: No benefit to mild hypercapnia in post arrest HIBI, use PACO<sub>2</sub> 35-45

FLAME Trial: Suction Thrombectomy seems to be superior to systemic TPA in high risk PE

### Fluids

CLASSICS Trial: No benefit to Restrictive vs Standard fluid admin in septic shock (1.8 vs 3.8L)

CLOVERS Trial: Think CLASSICS but w/ early vasopressors, no benefit here over standard care

WATERFALL Trial: More fluid administration in pancreatitis = Harm. Don't flood these patients

ADVOR Trial: addition of acetazolamide to CHF patients improves successful decongestion

### Transfusion

MINT Trial: in patients with active occlusive MI: target Hb >100

CRYOSTAT-2 Trial: No benefit to early empiric fibrinogen / CRYO in traumatic hemorrhage

PROCOAG Trial: 4 Factor PCC adds no benefit in Massive Transfusion

### Respiratory Support

EXTUB - Obese Trial: Extubating patients with BMI > 30 decreases re-intubation rate

PARIS-2 Trial: No benefit to HFNC over nasal prongs in paediatric Resp failure

PILOT Trial: SPO<sub>2</sub> targets should currently be 92-98% while awaiting

### Neuro / Sedation

AID Trial: Regular low dose aldol in agitated delirium seems to have clinical benefit

Pro-MEDIC: Routine early use of Prophylactic Melatonin has no benefit. We should stop.

EARLYDRAIN: Addition of lumbar drains to EVDs in aSAH improves Neuro outcomes.

### Trauma

PATCH Trial: prehospital use of TXA did not improve neuro-outcomes in TBI

### Sepsis

MERCY Trial: Continuous antibiotic infusion has no benefit over bolus treatment

CAPE-COD: IV hydrocortisone in severe CAP has a mortality benefit

## General Care

EFFORT: High protein diet in Vented and sick patients w/ AKI worsened outcomes.

Valdes et al Keppra Dosing: In critically ill patients, we should be using 750mg to 1000mg BID

Van Baarle et al Platelets prior to CVC insertion: No need to give platelets, even in severe TTP