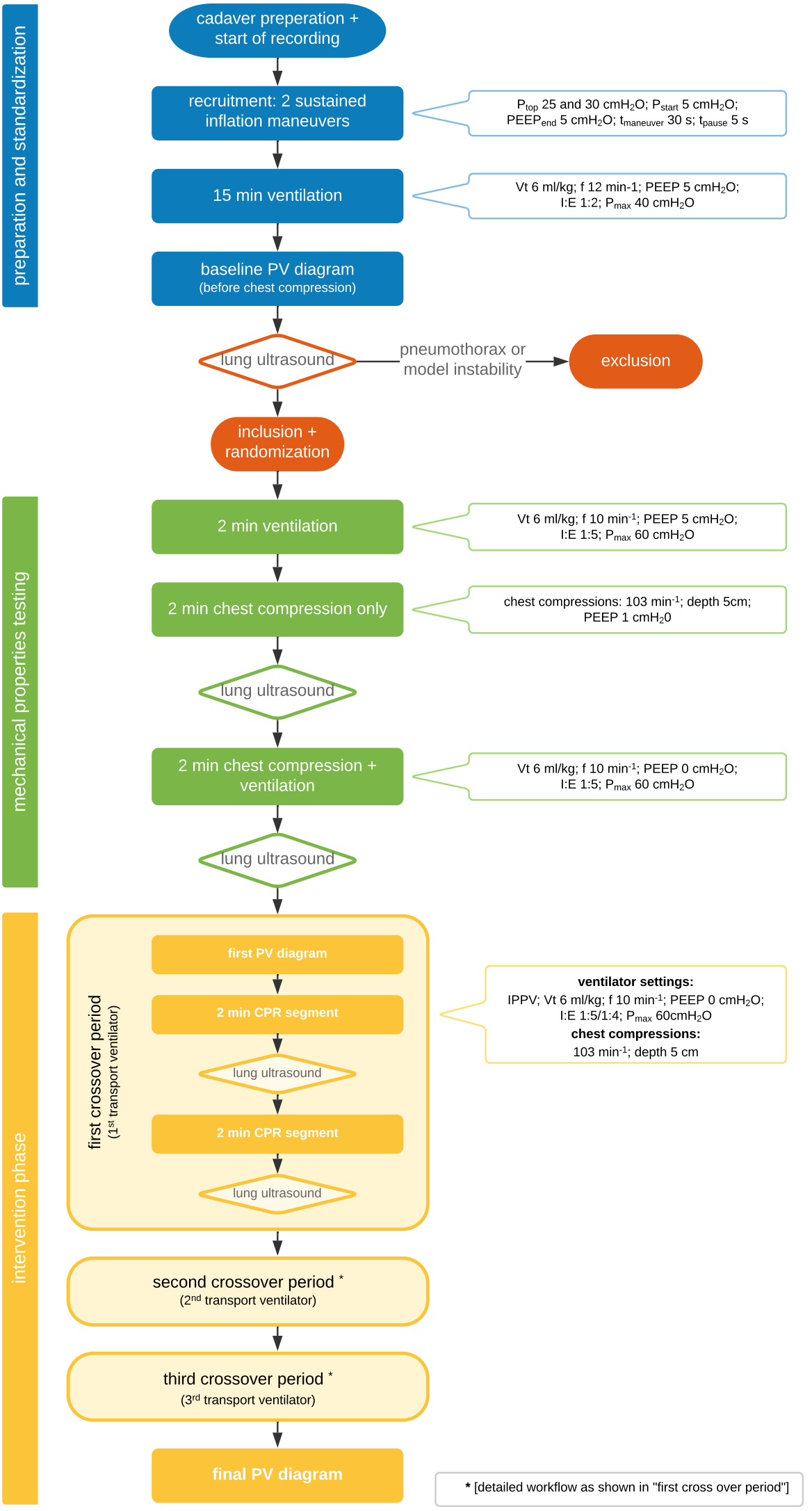
preparation and standardization
cadaver preperation + start of recording
recruitment: 2 sustained inflation maneuvers
Ptop 25 and 30 cmH2O; Pstart 5 cmH2O; PEEPend 5 cmH2O; tmaneuver 30 s; tpause 5 s
15 min ventilation
Vt 6 ml/kg; f 12 min-1; PEEP 5 cmH2O; I:E 1:2; Pmax 40 cmH2O
baseline PV diagram (before chest compression)
lung ultrasound
pneumothorax or model instability
exclusion
inclusion + randomization
mechanical properties testing
2 min ventilation
Vt 6 ml/kg; f 10 min-1; PEEP 5 cmH2O; I:E 1:5; Pmax 60 cmH2O
2 min chest compression only
chest compressions: 103 min-1; depth 5cm; PEEP 1 cmH20
lung ultrasound
2 min chest compression + ventilation
Vt 6 ml/kg; f 10 min-1; PEEP 0 cmH2O; I:E 1:5; Pmax 60 cmH2O
lung ultrasound
intervention phase
first crossover period (1st transport ventilator)
first PV diagram
2 min CPR segment
lung ultrasound
2 min CPR segment
lung ultrasound
ventilator settings:
IPPV; Vt 6 ml/kg; f 10 min-1; PEEP 0 cmH2O; I:E 1:5/1:4; Pmax 60cmH2O
chest compressions:
103 min-1; depth 5 cm
second crossover period *
(2nd transport ventilator)
third crossover period *
(3rd transport ventilator)
final PV diagram
* [detailed workflow as shown in "first cross over period"]