26 consecutive patients with ALI/ARDS

6 patients excluded prior to randomization
- 4 underwent ECLS
- 1 improved strikingly
- 1 died

20 patients randomized

Basal measurement (supine)

Prone position for 2 hours (Measurements PP1h and PP 2h)

Prone position plus upright position for 2 hours (Measurements PP+EH 1h and PP+EH 2h)

Prone position plus upright position for 6 hours (Measurements PP+EH 1h, PP+EH 2h and PP+EH 6h)

Prone position for 6 hours (Measurements PP1h, PP 2h and PP 6h)