

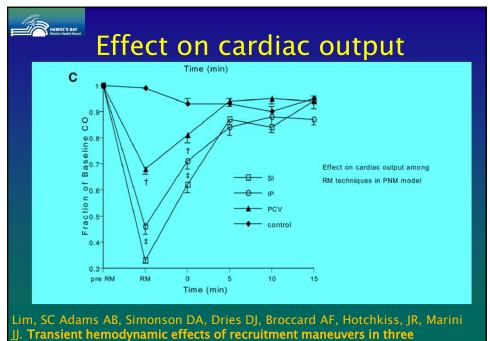


## recruitability has been assessed

- assessing the severity of ARDS,
- planning recruitment maneuvers
- setting adequate PEEP levels

## no compelling reason yet to attempt to quantitate lung "recruitability" as part of clinical care in ARDS

- Chiumello, D., et al (2016). Lung recruitment assessed by respiratory mechanics and computed tomography in patients with acute respiratory distress syndrome: What is the relationship? *American Journal of Respiratory and Critical Care Medicine, 193*(11), 1254–1263



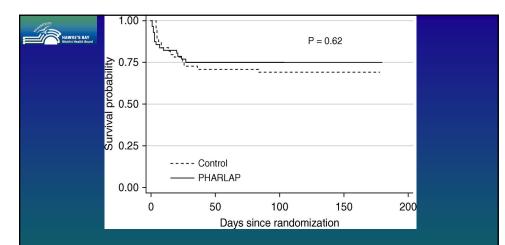
experimental models of acute lung injury Crit Care Med 2004;32:2378-2384

## Recruitability?

## Increased EELV may

- not be recruitment of previously nonaerated lung units.
- But further distension of previously open lung units.
- While EELV alone may not be sufficient to assess PEEP response, identifying recruited volume created by additional PEEP have more relevance. EELV combined with measurement of compliance may be useful
- **Freebairn R,** Mistry R, Park M. Positive End Expiratory Pressure. In: Freebairn R, Kulkarni A, editors. Evidence Based Core topics in Critical Care Medicine 2019. 1. New Delhi, India: JAYPEE BROTHERS MEDICAL PUBLISHERS; 2019. p. 303–10 Chiumello, D., et al (2016). Lung recruitment assessed by respiratory mechanics and computed tomography in patients with acute respiratory distress syndrome: What is the relationship?
- American Journal of Respiratory and Critical Care Medicine, 193(11), 1254–1263.

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Kaplan–Meier plot of the probability of survival from randomization until Day 180. Kaplan-Meier survival curve and estimates of the unadjusted probability of death at 6 months in patients receiving PHARLAP (Permissive Hypercapnia, Alveolar Recruitment, and Low Airway Pressure)

Carol L. Hodgson et al Am J Respir Crit Care Med, 2019

