



Pediatric Critical Care: Evolving issues 2009

ALI/ARDS Update

Rujipat Samransamruajkit
Pediatric Pulmonary & Critical Care
Div.

KCMMH/Chulalongkorn U.



The American-European Consensus Criteria for ARDS 1994

Timing	Oxygenation	Chest Radiograph	Pulmonary Artery Occlusion Pressure
Acute onset	PaO ₂ /FiO ₂ < 200 torr (regardless of PEEP level)	Bilateral Infiltrates on Frontal chest Radiograph	< 18 mmHg or no Clinical evidence Of left atrial hypertension



ALI/ARDS

Definition Concerns

- Not include mode of ventilation
- Not require level of PEEP
- CXR interpretation
- Broad spectrum of etiology eg. pulmonary cause or non-pulmonary cause

Avecillas JF et al Clin Chest Med 2006;27:549
Meade MO Chest 1999;116:1347



ALI/ARDS

Outcome Concerns

- Underlying diseases
- Initial clinical severity, not indicate severity score eg PRISM, LIS, OI etc.
- Individual pharmacologic agents eg steroids, IVIG, surfactant

ARDS

Newly identified cause

TRALI

