



New Berlin Definition of ARDS: What's the implication

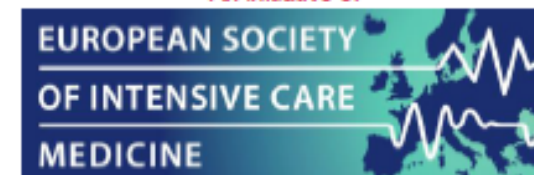
**Dusit STAWORN, M.D.
Phramongkutklao Hospital
Bangkok, Thailand**



The ARDS Definition Task Force
Acute Respiratory Distress Syndrome:
The Berlin Definition

Published online May 21, 2012

An initiative of



Endorsed by



Society of
Critical Care Medicine
The Intensive Care Professionals



ARDS Definition: AECC criteria [1994]

A syndrome of acute and persistent lung inflammation with increased vascular permeability. It is characterized by three clinical features:

- Acute onset
- PaO₂/FiO₂ less than or equal to 200 mm Hg, regardless of the level of PEEP.
- CXR: Widespread, bilateral infiltrates.
- No clinical evidence for an elevated left atrial pressure. If measured, the pulmonary capillary wedge pressure is 18 mmHg or less.



Concerning Issues:

Special Article: Point of View

Acute respiratory distress syndrome 40 years later:
Time to revisit its definition*

Crit Care Med 2008;36; 2912-21

Jason Phua, MRCP; Thomas E. Stewart, MD, FRCPC; Niall D. Ferguson, MD, MSc, FRCPC

- ▶ **No definition of “acute”**
- ▶ **Risk factors not included**
- ▶ **Inconsistency of $\text{PaO}_2/\text{FiO}_2$ ratio**
 - ▶ **Effect of PEEP**
 - ▶ **Effect of FiO_2**



Concerning Issues:

- ▶ No definition of “acute”
- ▶ Risk factors not included
- ▶ Inconsistency of $\text{PaO}_2 / \text{FiO}_2$ ratio
 - ▶ Effect of PEEP
 - ▶ Effect of FiO_2
- ▶ **↑ PCWP & ARDS can coexist**

