

Defined Clinical Targets and Goals

Achieve good oxygenation and acceptable CO2
reduce WOB in spontaneous breathing patients

























PEEP and FiO2 allowances in PEEP studies															
FiO ₂	.30	.40	.40	.50	.50	.60	.70	.70	.70	.80	.90	.90	.90	1.0	
PEEP	5	5	8	8	10	10	10	12	14	14	14	16	18	18-24	
				AR	DS Ne	etwor	k 6 v	ersus	12 ml/	kg: NE	JM 2	000;3	342:13	01-1308	
Lo-PEEP/Hi-FiO ₂ Treatment Group FiO ₂															
FiO ₂	.30	.40	.40	.50	.50	.60	.70	.70	.70	.80	.90	.90	.90	1.0	
PEEP	5	5	8	8	10	10	10	12	14	14	14	16	18	18-24	
Hi-PEEP/Lo-FiO ₂ Study Group FiO ₂															
FiO_2	.30	.30	.30	.30	.30	.40	.40	.50	.50	.508	0.8	0.	90 1.	.0 1.0	
PEEP	5	8	10	12	14	14	16	16	18	20	2	2 2	22 2	2 24	
ALVEOLI: NEJM 2004;351:327-336															
						rraction or inspired Oxygen (HIO ₂)									
Control REER renoes cm H-O					0.3	0.4 5.8		0.5 8-10	0.6 10	10-14		0.8	1/1-18	1.0	
Lung open ventilation PEEP ranges, cm H ₂ O					~			0.0		10-14			74*10	/ 10-24	
Before protocol change					5-10	10-14		14-20	20	20		20	20	20-24	
Alter protocol change					0-10	10-10	,	10*20	20	20	-	.0-22		22-29	
								LOVE	5: M	eade M	0 2	008;2	99(6):	637-645	



















































Best approach to recruitment: «Open the lung and keep it open»

Use the smallest Vt you can afford (you deal with a baby lung !)





then you have to work you through to find the optimal <u>least</u> PEEP approach = "Functional Approach to Recruitment"

Your tools at bedside: P/F ratio, PaCO2 and Cdyn

