

PICO #6. Non-epidural locoregional anesthetic (subcutaneous infusion pump or local block) and structured multi-modal pain therapy per institutional protocol compared to structured multi-modal pain therapy per institutional protocol alone for adults age >65 years old with ≥3 rib fractures and dyspnea or refractory pain

Bibliography:

Certainty assessment							Summary of findings				
Participants (studies) Follow-up	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall certainty of evidence	Study event rates (%)		Relative effect (95% CI)	Anticipated absolute effects	
							With structured multi-modal pain therapy per institutional protocol alone	With non-epidural locoregional anesthetic (subcutaneous infusion pump or local block) and structured multi-modal pain therapy per institutional protocol		Risk with structured multi-modal pain therapy per institutional protocol alone	Risk difference with non-epidural locoregional anesthetic (subcutaneous infusion pump or local block) and structured multi-modal pain therapy per institutional protocol

Pneumonia

132 (2 RCTs)	serious ^a	serious ^b	serious ^c	not serious	none	⊕○○ ○○○ Very low	9/66 (13.6%)	4/66 (6.1%)	OR 0.59 (0.07 to 5.18)	136 per 1,000	51 fewer per 1,000 (from 125 fewer to 314 more)
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CI: confidence interval; OR: odds ratio

Explanations

- a. Poor standardization of the non-locoregional pain regimen
- b. High levels of heterogeneity between studies
- c. Age is significantly younger than the population in the PICO question