
Answers

- . Does fluid management protocol followed with IVC collapsibility improve the outcome of critically ill patients?
 - . Effect on mortality of adjuvant steroid therapy in patients on invasive ventilation secondary to respiratory infections
 - . Does awake prone positioning reduce the need for invasive ventilation in Acute Hypoxaemic respiratory failure?
 - . Does awake self-proning during respiratory failure due to infection reduce the need for mechanical ventilation or reaching the threshold where mechanical ventilation would be considered if it was available
 - . What are the challenges in providing respiratory support in LMICs
 - . Are the healthcare workers in LMICs trained to triage, identify, manage and refer SARI patients based on their Oxygen needs to respective levels of care to prevent delay
 - . Hypothesis: High flow support using air or a reduced FIO_2 concentration is as efficacious as conventional high flow
 - . To determine the best ventilatory support for patients with severe CAP
 - . Outcomes and improvement per intervention
 - . Burden of SARI in LMICs
 - . Does protocolized SpO_2 -targeted oxygen therapy (including standard flow, high flow, and pressure-based respiratory support as available) improve survival?
 - . Hypothesis: Among hospitalised adults in low income settings (participants) a conservative oxygen regimen (intervention) is non-inferior to a liberal oxygen regimen (comparator) with respect to in-hospital mortality (primary outcome).
 - . Outcome in patients at different oxygen target thresholds.
 - . Is use of HFNC in LMICs cost effective?
 - . In what conditions, would NIV avoid utilization of IMV for AHRF patients? (given resource allocation standpoint)
 - . Liberal vs conservative oxygen threshold in unintubated patients
 - . What are the optimal mechanical ventilation strategies for severe resp failure?
 - . burden of illness
 - . Effectiveness of low-cost non-invasive ventilation strategies (especially technologies developed and available in low and low-middle income settings)
 - . What is the best IV fluids protocol in critically ill patients?
 - . Research Question: What is the most effective and cost-efficient oxygen delivery method (e.g., nasal cannula, non-rebreather mask, or high-flow nasal cannula) for reducing mortality in patients with SARI in LMICs?
 - . Hypothesis: High-flow nasal cannula therapy improves survival rates and reduces hospital stays compared to standard nasal cannula in patients with SARI, while remaining cost-effective in LMIC settings
 - . Burden of illness
 - . What is the effect of HFNO vs NIV-face mask vs NIV-helmet on clinical outcomes for patients with AHRF?
 - . In a platform trial to determine comparative effectiveness in patients requiring IMV for AHRF is duration of mechanical ventilation shorter if ventilated with a specific ventilatory strategy (including driving pressure limited APRV) compared to usual care.
 - . Safety and Effectiveness of high flow nasal cannula in acute respiratory failure from only Lower respiratory tract infections.
 - . What are the most effective interventions to decrease mortality and morbidity of hospital acquired infections in resources- limited regions?
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