Critical Care Aspects of COVID-19

Lifesaving treatment and clinical operations

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Phase of critical illness

- Chronic critical illness
  - Post ICU Syndrome (PICS) in survivors
    - Long term ventilator weaning
  - Prolonged need for Renal Replacement Therapy
  - Slow approach towards conventional standard of care
- ECMO not a magic bullet
Critical care support is still the mainstay of treatment

- Evidence supporting no benefit
  - Kaletra
  - Hydroxychloroquine/Azithromycin
- No evidence yet on:
  - Anti IL-6, steroids, convalescent plasma
- Evidence of some benefit
  - Remdesmevir
Resource allocation

- Unilateral DNR/DNI vs. formal resource allocation
- Resource allocation will need to be more nimble
  - Renal replacement therapy
  - Ventilators
  - ICU rooms
- Benefits of having a strong network
Preparation for 2\textsuperscript{nd} wave

- Structured goals of care discussion prior to ICU admission
  - Based on predictive models
- Seamless resource sharing
  - Inter-network collaboration
- Continuing research on therapeutics, ventilator strategies and indices of decompensation
Questions