COVID-19 AND SOLID ORGAN TRANSPLANTATION: A REVIEW ARTICLE

Azzi et al. Transplantation. January 2021

Clinical presentation
- SARS-CoV-2 causes a unique and inappropriate inflammatory response leading to Cytokine Storm
- Solid organ transplant recipients with COVID-19 are more likely to have:
  - multiple comorbidities,
  - to be hospitalized,
  - to be admitted to the ICU
  - to develop acute kidney injury

Mortality
- Mortality rates reported between 13 to over 30% in solid organ transplant recipients
- Risk factors associated with mortality:
  - Older age
  - Increased inflammatory markers
- Transplant activity during pandemic should be tailored with careful selection of both donor and recipients

Treatment
- Supportive care remains a mainstay of treatment
- Remdesivir and high dose steroids have shown some efficacy in patients requiring oxygen supplementation

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