Biology

The architecture of SARS-CoV-2 transcriptome
  • Transcriptomic features and RNA modifications of SARS-CoV-2.
Structure of the RNA-dependent RNA polymerase from COVID-19 virus
  • Cryo-EM structure of a component of viral replication machinery.

Epidemiology

Characteristics of and lessons from the COVID-19 outbreak in China
  • Summary report of 72,314 cases of COVID-19 from the Chinese Center for Disease Control and Prevention.
Hospitalization rates and hospitalized patient characteristics in 14 states
  • Hospitalization rates in the United States increase with age and are among the highest among older adults. Most hospitalized patients have underlying conditions.

Diagnosis & Prevention

Pooled screening for the detection of community transmission
  • Pooled screening may be a useful strategy for identifying early community transmission.
Association of public health interventions with COVID-19 transmission
  • Tracking the temporal relationship between estimated reproduction number and public health interventions suggests significant decrease in coronavirus transmissibility in the setting of city-wide lockdown and further decrease with improved medical resources.
Containment explains growth of COVID-19 pandemic in China
  • Containment strategies spurned the COVID-19 outbreak in China.

Treatment

Remdesivir for patients with severe COVID-19
  • Clinical improvement observed in some critically-ill patients with COVID-19 receiving compassionate use of remdesivir.

Prognosis

Clinical characteristics of hospitalized patients with COVID-19 in China
  • Suspected high nosocomial transmission for COVID-19.

Legal, Ethics & Management

Restructuring a residency program during the COVID-19 pandemic
  • Residents were split into teams that covered clinical, postop, and outpatient care on a rotating basis. These teams never physically interacted to prevent the spread of the virus from one team to another.
Student Volunteers