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Influenza and Viral Pneumonia	
Epidemiology	
Proportion of viral infection	
Community-acquired pneumonia 24.5%	
Hospital-acquired pneumonia	
Non-immunocompromised 11.2%	
Immunocompromised 36.1%	
Cavallazzi R, Ramirez JA. Clin Chest Med. 2018 Dec;39(4):703-721.	19



Epid	emiology
Virus is a "bystander" and does not have a nathogenic effect	Although uncommon in adults, asymptomatic carriage of respiratory viruses occurs
Virus has a pathogenic effect and is causing pneumonia in isolation.	Potential mechanisms include dysregulation of cytokines and chemokines, infection of epithelial cells in the lunes, and apontosis
Virus has a pathogenic effect and is causing pneumonia along with a bacterial pathogen	A study showed that the mortality for patients wit community-acquired pneumonia and bacterial an viral co-infection is higher.
Virus caused a recent infection that prompted a secondary bacterial infection.	This occurs particularly with Streptococcus pneumoniae or Staphylococcus aureus infection following influenza infection. Lag time of 2 to 4 weeks between the viral and bacterial infection. Polymerase chain reaction test may remain positi for un to 5 weeks after a viral infection.





































































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March 26, 2019	(European Teleclass) TAMING THE BUGS: CONTAMINATION AND INNOVATIVE APPROACHES TO STETHOSCOPE DISINFECTION Speaker: Prof. Gabriele Messina, University of Siena, Italy	
April 3, 2019	(South Pacific Teleclass) HEALTHCARE ASSOCIATED INFECTION SURVEILLANCE IN THE ERA OF ELECTRONIC HEALTH DATA Speaker: Prof. Phil Russo, Deakin University, Australia	
April 9, 2019	(FREE European Teleclass Denver Russell Memorial Teleclass Lecture) MODERN TOOLS FOR BACTERIAL IDENTIFICATION AND ANTIBIOTIC SUSCEPTIBILITY TESTING Speaker: Prof. Vincent Cattoir, Université de Caen Basse-Normandie, France	
April 18, 2019	INFECTION CONTROL ISSUES IN HEALTHCARE CONSTRUCTION, PART 1 - RENOVATION Speaker: Andrew Streifel, University of Minnesota	
May 2, 2019	(FREE Teleclass) MEAT, MONKEYS, AND MOSQUITOES: A ONE HEALTH PERSPECTIVE ON EMERGING DISEASES Speaker: Prof. Laura Kahn, Woodrow Wilson School of Public and International Affairs, Princeton University	

