

Cand virusurile ataca impreuna ...

Conf. univ. dr. Irina Dumitru

Similarities between Flu and COVID-19

- Influenza (Flu) and COVID-19 are both contagious respiratory illnesses
- Both can spread from person-to-person, between people who are in close contact with one another (within about 6 feet).
- Both are spread mainly by droplets made when people with the illness (COVID-19 or flu) cough, sneeze, or talk.
- Both COVID-19 and flu illness can result in severe illness and complications. Those at highest risk include:
 - Older adults
 - People with certain underlying medical conditions
 - Pregnant people

Similarities between Flu and COVID-19

- Both can have varying degrees of signs and symptoms, ranging from no symptoms (asymptomatic) to severe symptoms.
- **Common symptoms that COVID-19 and flu share include:**
 - Fever or feeling feverish/chills
 - Cough
 - Shortness of breath or difficulty breathing
 - Fatigue (tiredness)
 - Sore throat
 - Runny or stuffy nose
 - Muscle pain or body aches
 - Headache
 - Some people may have vomiting and diarrhea, though this is more common in children than adults

Similarities between Flu and COVID-19

- Both COVID-19 and flu can result in complications, including:
 - Pneumonia
 - Respiratory failure
 - Acute respiratory distress syndrome (i.e. fluid in lungs)
 - Sepsis
 - Cardiac injury (e.g. heart attacks and stroke)
 - Multiple-organ failure (respiratory failure, kidney failure, shock)
 - Worsening of chronic medical conditions (involving the lungs, heart, nervous system or diabetes)
 - Inflammation of the heart, brain or muscle tissues
 - Secondary bacterial infections (i.e. infections that occur in people who have already been infected with flu or COVID-19)

Differences between Flu and COVID-19

- Flu

- Flu viruses can cause mild to severe illness, including common signs and symptoms listed above.
- Typically, a person develops symptoms anywhere from 1 to 4 days after infection.
- Most people with flu are contagious for about 1 day before they show symptoms.
- 5% severe forms
- Mortality -0.1%

- COVID-19

- Other signs and symptoms of COVID-19, different from flu, may include change in or **loss of taste or smell**.
- Typically, a person develops symptoms 5 days after being (2 -14 days)
- It's possible for people to spread the virus for about 2 days before experiencing signs or symptoms and remain contagious for at least 10 days after
- **cytokine storm**
- COVID-19 is more contagious
- 15% are severe infection, requiring oxygen and 5% are critical infections, requiring ventilation
- **mortality - 3-4%**

Differences between Flu and COVID-19

- Flu

- Young children are at higher risk of severe illness from flu.
- Most people who get flu will recover in a few days to less than two weeks, some people will develop complications,
- Prescription influenza antiviral drugs are FDA-approved to treat flu.
- Vaccine

- COVID-19

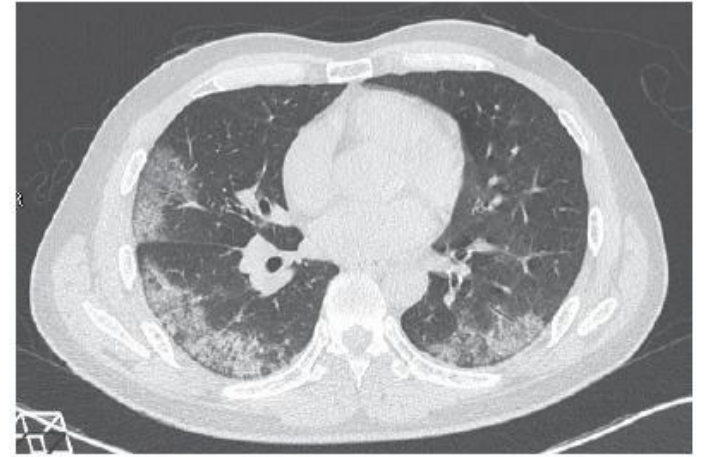
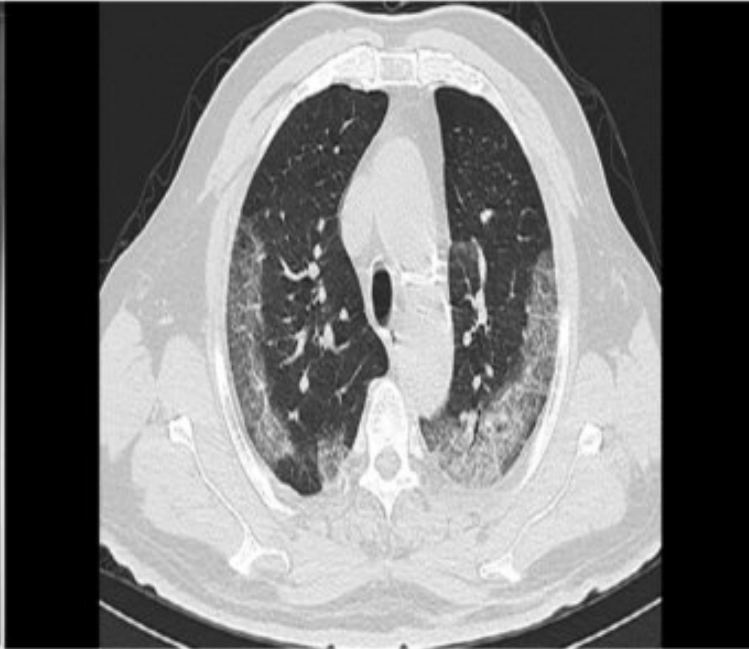
- School-aged children infected with COVID-19 are at higher risk of Multisystem Inflammatory Syndrome in Children (MIS-C), a rare but severe complication of COVID-19.
- Additional complications associated with COVID-19 can include:
 - Blood clots in the veins and arteries of the lungs, heart, legs or brain
 - Multisystem Inflammatory Syndrome in Children (MIS-C)
- Remdesivir
- No vaccine

Rx , CT scan COVID/influenza

A



B



Concluzii

- Screening studies report more cases, suggesting that unless screening patients with COVID-19, the coinfection remains undiagnosed and underestimated.
- Increasing experience in thoracic radiology may contribute to diagnose the responsible virus(es) from the clinical illness.
- **Influenza vaccine for larger population** groups can be recommended to simplify clinicians' work, for the foreseen second wave of COVID-19, which is expected to evolve in September/October, the start date of influenza season.
- **worse prognosis than those in whom SARS-CoV-2 is the only detected pathogen.**

Intrebare 1

- Care din urmatoarele afirmatii sunt adevarate
- 1. SARS-COV2 este mai putin contagios comparativ cu virusul gripal
- 2. SARS-COV2 este la fel de contagios comparativ cu virusul gripal
- 3. SARS-COV2 este mai contagios comparativ cu virusul gripal

Intrebare 2

- Care din urmatoarele sunt caracteristice pentru infectia cu COVID-19
 - lipsa gustului si mirosului
 - furtuna de citokine
 - microtromboze
 - procent mare e pacienti asimptomatici, dar si procent mare de forme severe (comparativ cu gripa)
 - boala poate fi transmisa si de la asimptomatici
 - Toate cele de mai sus