



# Patofiziološki mehanizmi nastanka zapaljenja pluća u uslovima Kovid-19 pandemije i mogućnosti prevencije

## Pathophysiological Mechanisms of Pulmonary Inflammation under the Conditions of COVID-19 Pandemics and Possibilities of Prevention

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### Apstrakt

Osnovni cilj plenarnog predavanja je da se slušaoci upoznaju sa novim saznanjima iz oblasti imunologije tokom infekcije pluća.

U poslednje vreme postoji mnogo novih rezultata o patogenezi i imunskim poremećajima, kao i o ulozi medijatora, koji se nazivaju citoki i koji se danas koriste u dijagnostici. Nisu svi medijatori isti kod zapaljenja i potrebno je istaći one koji su od značaja za postavljanje dijagnoze bolesti.

Na ovom kursu slušaoci treba da se obaveste o najnovijim saznanjima na polju patogeneze ove bolesti, da usvoje novine u dijagnostici i da razumeju ove probleme.

Danas se upravo na razumevanju mehanizma nastanka bolesti i primenjuju novi lekovi i kreiraju nove smernice u efikasnijoj terapiji infekcija, ali su vakcine osnova pokretanja ćelijskog imuniteta i strogo se preporučuju u prevenciji kovid-19 infekcije.

### Abstract

The main goal of the plenary lecture is for the listeners to get acquainted with new knowledge in the field of immunology during lung infection.

Recently, there are many new results about pathogenesis and immune disorders, as well as the role of mediators, which are called cytokines and which are used in diagnostics today. Not all mediators are the same as inflammations, and it is necessary to point out those that are important for diagnosing the disease.

In this course, students should be informed about the latest knowledge in the field of the pathogenesis of this disease and adopt innovations in diagnostics and understand these problems.

Nowadays, the understanding of mechanisms of diseases is used for the application of the drugs and performing new guidelines in more effective therapy of infections, but vaccines are the basis of triggering cellular immunity and they are strongly recommended in the prevention of Covid -19 infection.

