

Review of: "Mumps pneumonia in adults – a forgotten entity"

Olof Säll

Potential competing interests: No potential competing interests to declare.

This is a case report describing a patient with mumps and later ARDS. The case is interesting, however at this stage there are many questions and limitations of the report.

First, and most important, there is no reported finding of the mumps virus in the lungs or in sputum as evidence of cause of disease. PCR specific for mumps virus should be used on sputum or bronchoalveolar fluid in order to confirm that mumps virus was the direct cause of pneumonia/ARDS. I don't question the diagnosis of mumps in the parotid gland, but in this report, there is lack of evidence of the cause of ARDS.

Other causes than SARS-CoV-2 and influenzae virus should have been ruled out. That's maybe not feasible or possible in the clinical setting, but this information is crucial in an academic paper.

I also would like to address that some important information is lacking: 1) The vaccination status in the patient. 2) Duration of the antibiotic treatment. 3) Justification of the antibiotic spectrum and why it was not stopped when it was viral cause was suspected. 4) Levels of CRP and blood cell count.