

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

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Potential competing interests: No potential competing interests to declare.

Dear authors!

Thank you for the excellent clinical case. Indeed, pneumonia is not a frequent complication of mumps, so it was interesting to read the paper.

But according to the good global laboratory practice and WHO position for mumps surveillance the determination of IgM is not sufficient for laboratory confirmation of the diagnosis. Laboratory-confirmed cases may be confirmed in any of these ways: 1) isolation of MuV by culture or RT-PCR from an appropriate clinical specimen from person meeting the suspected case definition; 2) seroconversion from IgG negative to IgG positive as determined by any standard serological assay in the absence of mumps immunization in the preceding 6 weeks; 3) in unvaccinated individuals, significant (≥ 4 and more) rise in serum mumps IgG titre as determined by any standard serological assay.

Mumps IgM can be used to define a probable case but not to confirm a case. Assays for the detection of mumps-specific IgM antibodies in serum specimens are commercially available; however, these tests have variable sensitivity and specificity, especially among vaccinated persons. Thus, IgM positive results should be classified as probable instead of lab-confirmed. For unvaccinated persons, if an acute-phase serum sample collected < 3 days after mumps onset is negative for IgM, collect a second serum sample at 5–7 days. For vaccinated persons, collecting serum specimens > 3 days after mumps onset improves ability to detect IgM.

Of course, each country determines its own position with regard to the lab-confirmation of mumps. In addition, there are a lot of countries have a preference for clinical confirmation of mumps only.

I am sharing a "Mumps: Vaccine Preventable Diseases Surveillance Standards"

[<https://www.who.int/publications/m/item/vaccine-preventable-diseases-surveillance-standards-mumps>] to a that may be useful to you in your future work.

Regards!