Covid-19 infection in the palatine tonsil and detritus: the detection of virus compartment with RT-PCR

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Abstract (300 word limit)

The major location to collect the swab sample is nasopharynx. The reason is the viral load was highest in the nasopharynx. Although nasopharynx is connected with oropharynx, including palatine tonsil, the viral load is different.

Tonsillectomy is a routine surgery in the field of otolaryngology head and neck surgery, however, data regarding the tonsil and or detritus as a reservoir for SARSCov-2 is limited. Several approaches to confirm the transmissibility of the virus are through virus culture, immunofluorescent detection and genome sequence. However, the most popular technique in the world nowadays is using RT-PCR.

In this paper, author will explore and discuss the relationship between SARSCov-2 and palatine tonsil and detritus, including the report of 2 cases with chronic tonsillitis post covid-19 infection who undergo tonsillectomy.

In conclusion, adequate PPE should be prepared when performing the surgery in the palatine tonsil during the pandemic covid-19 to protect the physician and other health worker due to the risk of virus remain stay in certain organ, including palatine tonsil and detritus.

Recent Publications (minimum 5)

1. Kadriyan H, et al (2021) Covid-19 infection in the palatine tonsil and detritus: the detection of virus compartment with RT-PCR. BMJ Case Reports 14: e239108.
2. Kadriyan H, et al (2020) Subcutaneous hemangioma on nasal dorsum: a case report. BMC Case Reports 14:1-6.
3. Kadriyan H, et al (2021) Correlation of cancer stages and the expression bcl-2 and lmp-1 in patient with undifferentiated nasopharyngeal cancer. ASM Science Journal 14: Special Issue 2:33-38.
4. Kadriyan H, et al. (2021) Ear disease determination on computer-Assisted outer and middle ear images. IOP Conference Series: Earth and environment 712:1.
5. Noda S, Kadriyan H, et al. (2021) Service delivery reform for Asian ageing societies: Across country study between Japan, South Korea, China, Thailand, Indonesia, and the Philipines. International journal of integrated care 21(2):1.

Photograph



Biography (150 word limit)

I am working as an otolaryngologist and scientist at the Department of Otolaryngology Head and Neck Surgery, Faculty of Medicine, Mataram University/West Nusa Tenggara General Hospital. Many cases in the field otolaryngology have been handle and many research and publication has been conducted which may could use as a guidance by other otolaryngologist worldwide. My specific major is an oncologist head and neck surgeon. Two books were also produced in similar field, although printed in local language. My other duty for the last 4 years is a dean of medical faculty, University of Mataram, Indonesia. This faculty becoming one of the most developing institution in Indonesia.

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Notes/Comments: