

Cite this as: Zi-yu GE, Lu-ming YANG, Jia-jia XIA, Xiao-hui FU, Yan-zhen ZHANG, 2020.
Possible aerosol transmission of COVID-19 and special precautions in dentistry. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **21**(5):361-368.
<http://doi.org/10.1631/jzus.B2010010>

Possible aerosol transmission of COVID-19 and special precautions in dentistry

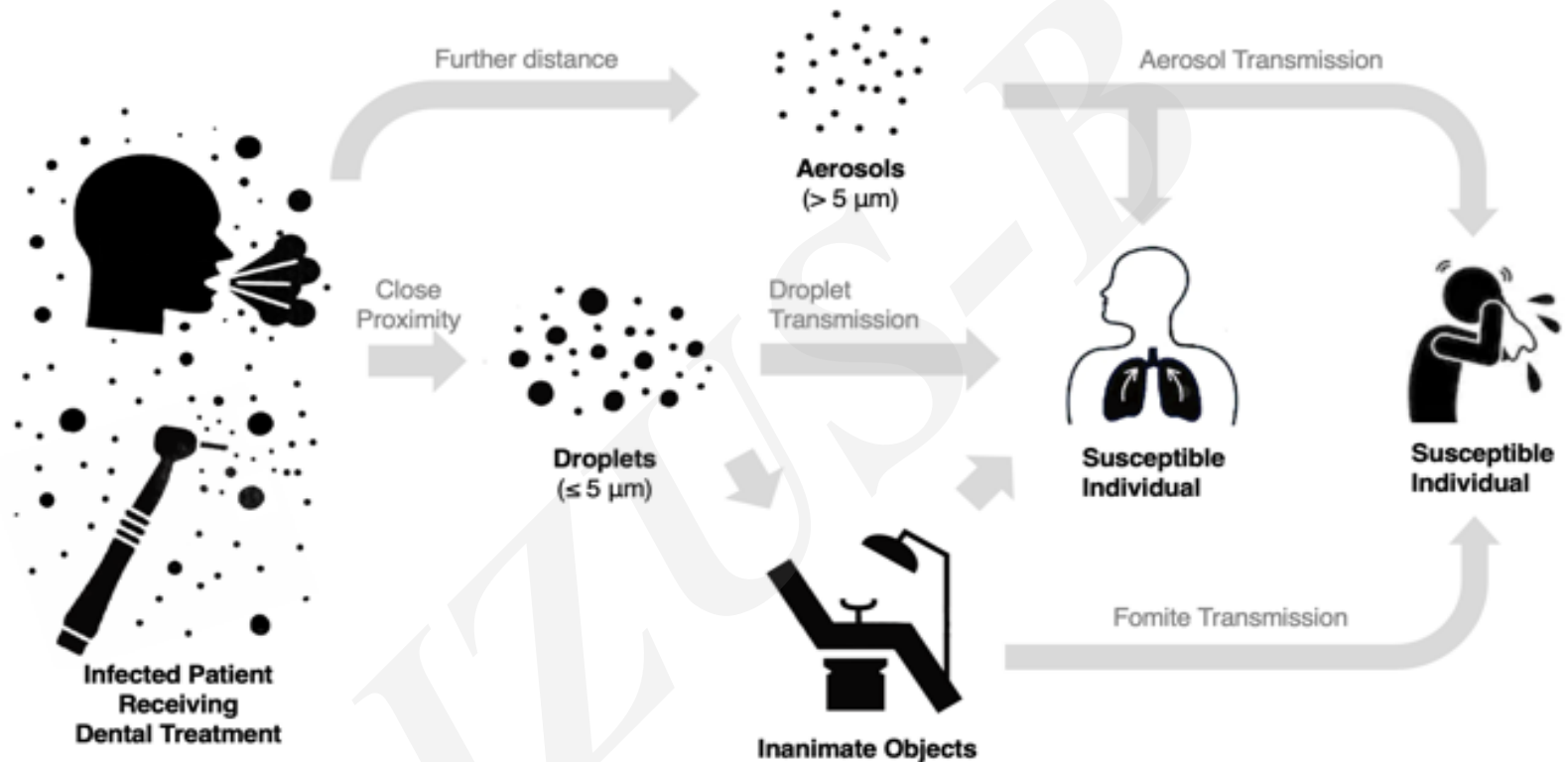
Key words: COVID-19, Aerosol, Infection Control

Research Summary

This review mainly focused on the implication of aerosol transmission in dentistry and some special precautions that should be implemented during COVID-19 outbreak and other respiratory disease outbreak. The bullet points are:

- Aerosol transmission in dental setting**
- Special precautions in dental emergency**
- Special precautions in routine dental practice**

Innovation points



**Different Routes of Transmission in Dental Setting:
Aerosol, Droplet and Fomite**

Innovation points

Special precautions that could help to control the spread of COVID-19, and serve as a guide for managing other respiratory diseases.

- Arrange waiting area
- Hand hygiene
- Personal protective equipment
- Preprocedural mouth rinse
- Rubber dam isolation
- Remove/filter contaminated air
- Environmental surface disinfection
- Other methods to reduce droplet generation in different dental discipline