



TOHOKU  
UNIVERSITY

# Impact of the COVID-19 pandemic on dental clinical training in Tohoku University

ADEAP Online Symposium      Sep. 12. 2021

---

**Takashi Nishioka**

Division for Advanced Education Development,

Liaison Center for Innovative Dentistry,

Tohoku University Graduate School of Dentistry, Sendai, Japan

The coronavirus disease (COVID-19) was declared a pandemic by the World Health Organization (WHO) on March 11, 2020 and has since spread globally in a short span of the time, remains the world's largest public health concern even now.

## **Problem for dental training under COVID-19**

The primary mode of transmission of COVID-19 was via respiratory droplets and aerosols through close human contact, most dental schools throughout the either suspended or postponed their simulated and clinical skills training courses, including Tohoku University Hospital.

## B3 Training room



Mainly used 5<sup>th</sup> grade students

## B4 Training room



Mainly used 3<sup>rd</sup> and 4<sup>th</sup> grade students

# Current situation



# Impact of the COVID-19 pandemic on dental clinical training and future prospects

Takashi Nishioka DDS, PhD<sup>1</sup> | Gen Mayanagi DDS, PhD<sup>1</sup> |  
Yoko Iwamatsu-Kobayashi DDS, PhD<sup>1,2</sup> | Guang Hong MD, DDS, PhD<sup>1</sup>

<sup>1</sup> Liaison Center for Innovative Dentistry, Tohoku University Graduate School of Dentistry, Sendai, Japan

<sup>2</sup> Department of Dental Infection Control, Tohoku University Hospital, Sendai, Japan

## Correspondence

Guang Hong, MD, DDS, PhD, Liaison Center for Innovative Dentistry, Tohoku University Graduate School of Dentistry, 4-1 Seiryō-machi, Aoba-ku, Sendai, Japan.

Email: hong.guang.d6@tohoku.ac.jp

Yoko Iwamatsu-Kobayashi and Guang Hong contributed equally to this work.

## 1 | PROBLEM

The coronavirus disease (COVID-19) was declared a pandemic by the World Health Organization on March 11, 2020 and has since spread globally in a short span of time.<sup>1</sup> Because the primary mode of transmission of COVID-19 is via respiratory droplets and aerosols through close human contact,<sup>2</sup> most dental schools throughout the world either suspended or postponed their simulated and clinical skills training courses, including Tohoku University Hospital. However, dental students require training for their clinical skill development and need sufficient opportunities for practical application of these skills by attending to the hospital patients.



Thank you for your kind attention !

