

Dental Handpiece Infection Control during COVID-19 outbreak

- Cross-contamination
- Aerosols
- Oral Surgery

A large, thin, black bracket is positioned on the right side of the slide. It starts at the top of the list of infection control issues and extends downwards, ending at the text "Bien-Air Dental solutions", effectively grouping the list under the solutions.

Bien-Air Dental solutions

Cross Contamination

"Therefore, the use of dental handpieces without anti-retraction function should be prohibited during the epidemic period of COVID-19."

- Anti Retraction Valve
 - Do not use a handpiece without a retraction valve
- Anti Retraction Valve location
 - Bien Air anti-retraction valve located in the Handpiece body!

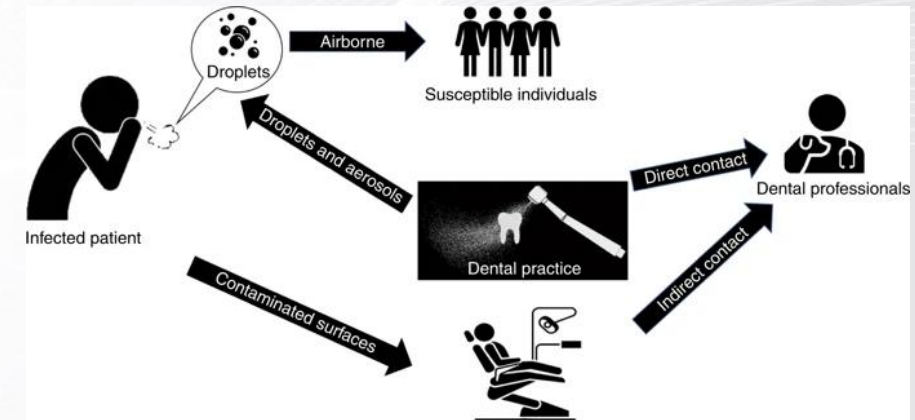
Bien Air



Aerosol

“dental devices such as high-speed dental handpiece uses high-speed gas to drive the turbine to rotate at high speed and work with running water”

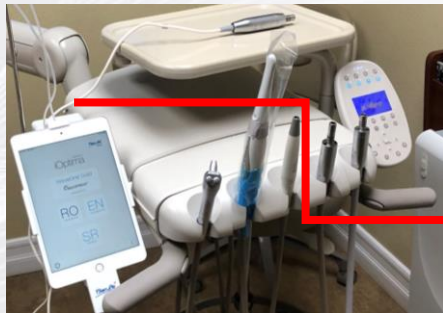
- Bien Air electric HP design
 - Water cooling is not required for 90% of dental procedures when using Bien –Air friction grip electric attachment at lower speeds
- High Torque at slow speed
 - Bien Air Motor / HP can be slowed to <100K (75% less rpms than air driven highspeed) with sufficient torque to accomplish many dental procedures
 - Water spray can be turned off
 - Course/aggressive, diamond/carbide, can be used to reduce most materials
 - Preparation site can be irrigated manually (by assistant) with sterile irrigation syringe



Dental Surgery

“Oral surgical procedures involve the incision, excision, or reflection of tissue that exposes the normally sterile areas of the oral cavity. Examples are biopsy, periodontal surgery, apical surgery, implant surgery, and surgical extractions of teeth (removal of erupted or nonerupted tooth requiring elevation of mucoperiosteal flap, removal of bone or section of tooth, and suturing if needed).”

- Bien- Air’s iOptima INT is the only system that can be integrated with sterile pump into any dental unit from any manufacturer
 - Dental Surgery requires sterile irrigation
 - Sterile irrigation is defined by the CDC as, “Use of sterile irrigating solutions and devices designed for delivering sterile irrigating fluids such as a sterile bulb syringe, sterile single-use disposable products, or sterilizable tubing”
 - Disinfection tablets for removable bottles do not satisfy this standard



A-Dec 500 unit with integrated sterile water pump

- Bien-Air’s iOptima INT – the only system which can control a surgical Motor with a sterilizable cable

Do not use “surgical” HP with non sterile water

