

The Importance and Practical Guidelines for Dental Infection Control: From Prevention to Response

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Infection control within dental clinics and hospitals is a critical element of medical services directly linked to the lives and safety of both patients and medical staff. Dental treatment environments involve frequent exposure to saliva, blood, and aerosols, posing a constant risk of cross-infection. Inadequate management can lead to serious public health issues, including bloodborne diseases such as Hepatitis B, C, and HIV, as well as secondary suppurative infections. This course aims to warn of the risks associated with such infection incidents and present systematic maintenance measures for the treatment environment, including the use of personal protective equipment in accordance with standard precautions, rigorous sterilization and disinfection processes for instruments, and unit waterline management. Furthermore, by covering in detail response protocols for unexpected infection exposure incidents—such as needle stick injuries—which involve immediate emergency treatment, reporting, follow-up testing, and prophylactic medication, this course seeks to raise awareness of infection control and strengthen practical capabilities. Ultimately, through this, we will share sustainable management strategies that establish an infection-safe treatment environment and enhance the credibility of medical institutions.

Profile

- * Bachelor's, Master's, and Doctorate degrees in Seoul National University College of Dentistry
- * Internship and Residency in Seoul National University Dental Hospital
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