

Digital Dentistry : Using Oral Scanners in Pediatric Dentistry

Prof. So Youn An

What is Digital Dentistry? Digital dentistry can be broadly defined as any dental technology or device that incorporates digital or computer-controlled components. This broad definition ranges from CAD/CAM (computer-aided design/computer-aided manufacturing), which is the most commonly thought of digital dentistry discipline, to disciplines that are not even recognized, such as computer-controlled nitrous oxide delivery. In this lecture, I will focus on "CAD / CAM and intraoral imaging" among the 10 classifications of digital dentistry and how pediatric dentistry is using oral scanners, which can be thought of as the first step in the digital workflow in the dental office.

I remember when I spoke at GAMEX in 2017, I encouraged you to hold off on purchasing an intraoral scanner. Fast-forward five years and I'm back at SIDEX in 2023 to tell you that it's time to buy an intraoral scanner. As I was preparing to deliver my talk, I reviewed the diverse SIDEX 2023 conference program and tried to minimize overlap with other speakers. During the other lectures, you can experience four of the latest oral scanners on the market in Korea through the oral scanner comparison exercise, and you can see various clinical cases of children and adolescents using clear orthodontic appliances through the Pediatric Transparent Orthodontics I Can Do It lecture. At this time, the Korean Academy of Pediatric Dentistry has released a new textbook after a long time.

There is digital dentistry in Chapter 19, Adolescent Dentistry, so my lecture will be organized into two parts, the first is an introduction to restorative and prosthetic clinical cases in children and adolescents, and then the second is an introduction to orthodontic clinical cases in children and adolescents, and then other clinical cases, so I will try to organize it around my cases as much as possible.

If you have already purchased a scanner and have it, I hope that you can take advantage of the parts that can be applied in actual clinical practice for children and adolescents who come to you.

Profile

- * Bachelor of Dental Medicine, Wonkwang University College of Dentistry
- * D.D.S., Ph.D. Yonsei University School of Dentistry (specializing in pediatric dentistry)
- * Present Head of Pediatric Dentistry and Director of Education, Sanbon/Daejeon Dental Hospital, Wonkwang University College of Dentistry
- * Present Full-time lecturer, assistant professor, associate professor, full professor, vice dean for research, Wonkwang University College of Dentistry
- * Evaluator of clinical practice guidelines for the Korean Medical Association, Ministry of Health and Welfare