

## Anterior Esthetic Prosthesis Using CAD/CAM System

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Casting metal using lost wax technique is the most common way to make fixed prosthesis to restore the damages in teeth and ceramic material is used to enhance the aesthetic features. These days, however, CAD/CAM system, which computerizes the recognition of abutment in a input devices and cutting processes, was being introduced to produce prosthetic material. CAD/CAM system was first adopted in dentistry in 1971 and the first CAD/CAM prototype for dentistry was introduced by Dr. Francois Duret in 1983. However, it was not until 1985 that posterior single crown, which did not undergo the traditional laboratory processes, was installed in the mouth. CAD/CAM system provides a lot of advantages. It can omit the traditional impression taking and laboratory procedure and reduce errors in various laboratory procedure. In addition, CAD/CAM system can use ceramic and various materials and alloy which are hardly used in traditional laboratory procedure. In particular, core material for the production of anterior prosthesis is stronger than traditional ceramic material, thereby enhancing the solidity of the prosthesis and reducing preparation of teeth.

CAD/CAM technology is being actively developed and adopted in various clinical practices. Thus, the purpose of this paper is to review the features, advantages and disadvantages of commercially used CAD/CAM systems and to study how to use CAD/CAM system in the production of anterior prosthesis through clinical examples of using CAD/CAM system to cut the ceramic core.