

PROCERA® - A New Way To Achieve An All-Ceramic Crown

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1967-1971 Apprenticeship in Caesar-Dental Laboratory, Frankfurt/Germany
1971-1980 Working in various laboratories and private dental office as a ceramist
1981 Master Dental Technician Degree in Frankfurt
1981 and 1982 Technical representative for Asami Tanaka, Skokie, Ill, USA
1982 Own laboratory with attached Teaching institute for post graduate education in Brychkoebel, Germany(Zen Line Institute)

The PROCERA® System developed by Dr. Matts Andersson (Nobel Biocare AB, Goteborg, Sweden) was introduced to the dental community in response to the need for advanced technology to create improvements in patient reconstructions. This method embraces the concept of computer-assisted design and computer-assisted machining (CAD/CAM) to fabricate dental restorations. Initially the system was used to fabricate crowns and fixed partial dentures combining titanium with low fusing veneering porcelain. In more recent years this CAD/CAM technology has been used to produce the PROCERA® AllCeram Crown, composed of a densely sintered high-purity alumina core combined with low fusing veneering porcelain. Since early 1990's, researchers and clinicians have been seeking new ways for fabricating all-ceramic restorations that possess the needed qualities of strength, color stability, favorable wear characteristics, and precision of fit so that they may be placed in all regions of the dental arches. The PROCERA® AllCeram Crown satisfies the needed requirements. An all ceramic bridge is the newest creation of the PROCERA® System and ceramic laminates will soon be introduced to the dental profession.

The PROCERA® System has also been used to fabricate titanium custom abutments for those situations where implant placements have not be ideal and customized components are the only solution to correct alignment and connect the implant to the dental reconstructions. Custom abutments designed by the PROCERA® System in titanium have entered the market place where an abutment can be designed by a computer, and forwarded to a manufacturing facility by modem where the abutment is machined to the exact specification developed in the designing process. This new method provides the clinician with the opportunity to obtain an "abutment solution for every situation." Combining this methodology with the PROCERA® All-ceramic restorations provides clinicians with the ultimate in esthetic and functional options to solve the treatment requirements of their patients. This Workshop will detail the research and science in support of the system and illustrate patient presentations where PROCERA® has been used in therapy.