

Tennessee Academy of Cosmetic Dentistry

Presents

Dr. Pascal Magne



Dr. Pascal Magne is an Associate Professor with Tenure and the Don and Sybil Harrington Foundation Chair of Esthetic Dentistry in the Division of Primary Oral Health Care, University of Southern California, School of Dentistry (USCSD), Los Angeles.

Dr. Magne graduated from the University of Geneva Dental School, Switzerland, in 1989 with a Med. Dent. obtained his Doctorate in 1992 and his Ph.D. degree in 2002. He received postgraduate training in fixed prosthodontics and occlusion, operative dentistry and endodontics, and was a lecturer at the same university beginning in 1989 until 1997. From 1997-1999, he was a Visiting Associate Professor at the Minnesota Dental Research Center for Biomaterials and Biomechanics, University of Minnesota, School of Dentistry. After concluding two years of research, Dr. Magne returned to University of Geneva Dental School and assumed the position of Senior Lecturer in the Division of Fixed Prosthodontics and Occlusion until his departure for USCSD in February 2004.

Dr. Magne is a recipient of multiple awards from the Swiss Science Foundation, the Swiss Foundation for Medical-Biological Grants, and was the recipient of the 2002 Young Investigator Award from the International Association for Dental Research. He is also the author of numerous clinical and research articles on esthetics and adhesive dentistry and is an internationally known lecturer on these topics. Furthermore, Dr. Magne authored the book [Bonded Porcelain Restorations in the Anterior Dentition - A Biomimetic Approach](#) which has been translated into eight languages and is considered one of the most outstanding books in the field of adhesive and esthetic dentistry.

Bonded Restorations in the Anterior Dentition”

Description:

The combination of both composites and ceramics seems theoretically appropriate to reproduce the original stiffness of the tooth and modulate the tooth-restoration strength. Therefore, modern concepts in restorative dentistry have brought new solutions through bonded porcelain restorations (BPRs) that are stress distributors and involve the crown of the tooth as a whole in supporting occlusal force and masticatory function. Among these, the good overall clinical behavior of anterior porcelain laminate veneers bonded tooth in terms of fracture rates, microleakage, debonding and soft tissue response is generally well recognized and attested by numerous clinical studies. Continuous developments in the field of adhesive restorative techniques have permitted significant broadening of the originally-defined spectrum of indications for BPRs in the anterior dentition and thus contribute to two of the major objectives of conservative restorative dentistry: the maximum preservation of sound tooth structure and the maintenance of the vitality of the teeth to be restored. Indications for BPRs are extending to more perilous situations (worn-down, nonvital or crown-fractured teeth), resulting in considerable improvements, comprising both the medical-biological aspect and the socio-economical context (ie, decrease of costs when compared to traditional and more invasive prosthetic treatments).

From this perspective, indications, treatment planning, diagnostics, tooth preparation, laboratory procedures and adhesive luting procedures of BPRs will be carefully detailed.