



AMERICAN ACADEMY OF FIXED PROSTHODONTICS 2010 SCIENTIFIC SESSION

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BIOGRAPHICAL SKETCH:

Daniel Edelhoff is currently Tenured Associate Professor at the Department of Prosthodontics and Dental Material Sciences at the Ludwig-Maximilians-University in Munich. He is board certified

Specialist in Prosthodontics and holds memberships in the German Society of Oral and Maxillofacial Medicine and the German Society Dental Prosthetics and Material Sciences (DGZPW). He is member of the managing committee of the German Association of Oral Implantology (DGI) and the advisory board of DGZPW. He is the author of numerous research articles.

LECTURE TITLE: “Light transmission through all-ceramic framework materials”

LECTURE SYNOPSIS:

Superior esthetics of all-ceramic restorations is based on the optical resemblance to natural tooth structure. Recently new types of zirconia-, alumina- as well as glass-ceramics have been introduced. The light transmission of innovative framework ceramics at clinically appropriate thicknesses was quantified in a spectrophotometer at wavelengths of the visible spectrum. Significant differences beneath the materials could be identified with consequences for the clinical application.