

Prosthetic complications with dental implants – Causes and Management

Dr. Baldwin Marchack, DDS, MBA

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日期	地點	費用	主辦單位
2016/12/11 (日) 9:00 am – 12:20 pm	台南大飯店 台南市中西區成功路 1 號	300元 (醫療課程 4 學分)	台南市牙醫師公會 台灣諾保科股份有限公司

課程報名專線: 台南市牙醫師公會 06-215-4797

Abstract

As dentists, the words we never want to hear from our patients are:

“Doctor, my implant is loose”

Your heart stops beating. Then after you catch your breath, you think:

“Is it the implant or is it the restoration?”

“Is it the cement or is it the abutment?”

“Is the screw loose or is the screw broken?”

There are a host of heartaches awaiting us if we ignore certain basic principles of restorative implant dentistry, material science and screw dynamics. This presentation will be of interest to both the experienced and the novice practitioner as it will result in effortless decision making and will enable the restorative dentist to not only collaborate better with the implant surgeon but to direct the laboratory technician in the design of each implant situation with confidence.

Course objectives

- Criteria for screw retained vs cement retained restorations
- Know what are the ideal abutment contours for restorations to maintain and support soft tissue
- Rationale for material choices for abutments and crowns
- Understand the principles of screw dynamics
- Reduce failures and complications with implant restorations

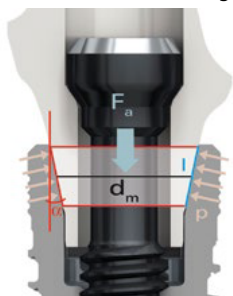
Speaker

Baldwin W. Marchack
D.D.S., M.B.A.



Baldwin Marchack is a 1971 graduate of the Ostrow School of Dentistry of USC. In 1989 he received his MBA from the Anderson Graduate School of Management at UCLA. Dr Marchack is a Fellow of the American College of Dentists, a Fellow of the International College of Dentists, and a Fellow of the Pierre Fauchard Academy. He is a member of the Academy of Prosthodontics, the International College of Prosthodontists and the Academy of Osseointegration, and he is past-president of the American Prosthodontic Society, past-president of the Pacific Coast Society for Prosthodontics, past-president of the American Academy of Esthetic Dentistry and past-president of the Osseointegration Study Club of Southern California. Dr Marchack is an Honorary Member of the American College of Prosthodontists. He serves on the Board of Councilors of the Ostrow School of Dentistry of USC, and is President of the Executive Council for the International Federation of Esthetic Dentistry (IFED). Dr Marchack is the Course Director for the USC Comprehensive Surgical and Restorative Implant Dentistry Training Program in China. He is currently the Chair of the Editorial Council for the Journal of Prosthetic Dentistry, and he maintains a private practice in Pasadena, California.

Precise fit ensures long-term performance



$$p = \frac{F_a * \cos(\rho) * \cos\left(\frac{\alpha}{2}\right)}{d_m * \pi * l * \sin\left(\rho + \frac{\alpha}{2}\right)}$$

Joint compression (p) depends on a number of variables such as preload (tensile force F_a), friction angle (α) and contact length (l). Small changes in any of these parameters can lead to extreme load and stress conditions, which can cause implants to fracture.



Original



“Look-alike”

