CONTINUING PROFESSIONAL EDUCATION

Jointly organised by

Chapter of Dental Surgeons, Academy of Medicine, Singapore and
Department of Preventive Dentistry, Faculty of Dentistry
National University of Singapore

Day/Date : Tuesday, 6 April 2004
Time : 6.30 pm
Venue : Auditorium (Level 4)
        Faculty of Dentistry
        National University Hospital
        Lower Kent Ridge Road
        Singapore 119074

Topic : IMMEDIATE IMPLANT PLACEMENT – IMMEDIATE LOADING? FACT AND FICTION

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Chairman : Dr Chung Kong Mun

ALL ARE WELCOME
Tea will be served from 6.00 pm

Dr Lim Kheng Ann
Honorary Secretary
2003-2004 Chapter of Dental Surgeons

30 March 2004

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This lecture is accredited by the SMC/SDC for 1 CME / CDE point
SYNOPSIS

IMMEDIATE IMPLANT PLACEMENT – IMMEDIATE LOADING? FACT AND FICTION

In recent years, shorter treatment times from the time of tooth loss to the replacement of teeth with prosthetic appliances on osseointegrated implants have been promoted by many clinicians. The valid paradigms hitherto required 3-4 months of healing time for tissue integration of the implants after allowing an adequate healing period for the consolidation of an extraction socket. Together with the prosthetic treatment a patient frequently had to wait for up to one year until a lost tooth was replaced. During the last decade treatment strategies were developed to substantially shorten these periods. The immediate placement of implants into extraction sockets concomitantly with a transmucosal healing of the periimplant tissue requires careful tissue management, conservative extraction and flap elevation, tight adaptation of barrier membranes, tight flap adaptation of the soft tissues and meticulous plaque control during healing. Studies have documented that immediate implant placement, even in a transmucosal modality, yields equally high success rates as conventionally placed implants.

Immediate loading of implants requires an understanding of the biology of the recipient tissues, the surgical trauma, the wound healing process and the occlusion of the prosthetic reconstruction. Wound healing studies have demonstrated that an osteo-coating will be observed after 1-2 weeks following implant installation of implants with an osteophilic surface. Hence, loading after two weeks may become a feasible protocol. Certainly, early loading after 6 weeks has become a routine procedure. With these protocols total treatment time is drastically reduced to 6-8 weeks.

The presentation presents the evidence for these novel concepts in implant dentistry.