



AMERICAN ACADEMY OF FIXED PROSTHODONTICS 2010 SCIENTIFIC SESSION

SATURDAY, FEBRUARY 27, 2010



NEIL MEREDITH

**BDS MSc FDS RCS PHD
(U.LOND) PHD (U.GOT)**

BIOGRAPHICAL SKETCH:

Neil Meredith graduated from Guy's Hospital, London in 1983. He then completed a Masters in Conservative Dentistry at the Eastman Dental Institute in 1987. Lecturing at the Eastman, Neil carried out research in

Biomaterials and Biomechanics and invented the RFA technique to measure implant stability in 1992. Completing his PhD in 1993 he then moved to the University of Bristol as a consultant and senior lecturer. In 1995 Neil Meredith completed a second Swedish PhD at the University of Gothenburg. In 1998 he took up the Chair in Biomaterials and Restorative Dentistry at the University of Leeds. In 1999 Neil started development of the Neoss implant system where he has been CEO for six years. As well as practicing clinically he has also published many publications and lectured internationally.

LECTURE TITLE: "Implant Fixed Prosthodontics: How far have we come and how far can we go?"

LECTURE SYNOPSIS:

This presentation explores the future of fixed prosthodontic perspective with a view on implant restored restorations and the implications of CAD-CAM technology. Are we really seeing improvements and accuracy, performance and aesthetics with modern techniques and materials or are we just building in latent problems. As an example phase transformation in Zirconia can be beneficial as far as arresting crack growth but deleterious if it results a phase which is considerably weaker. The presentation will also discuss the accuracy of digitizing data from impressions and models in the production of CAD-CAM generated restorations.