

Marco Lollobrigida, DDS, Ph.D. is a researcher at the Department of Oral and Maxillo Facial Science, Sapienza University of Rome.

His research activity focuses mainly on oral surgery and oral implantology including different fields of interests.

He studied the characteristics and application of several biomaterials, including bone substitutes and barrier membranes for both guided bone regeneration and ridge preservation techniques. Specifically, he investigated the effects of this materials on the dimensional changes of post-extractive alveolar bone.

He studied the effects of different decontamination approaches for treating peri-implantitis, as well as the effect of different implant surfaces on peri-implantitis treatment and re-osseointegration.

Research activity also focused on new technologies and techniques, including implants with nano-surfaces, autologous dentine graft and platelet concentrates. Specifically, he is currently studying the application of dentine grafts in bone regeneration and ridge preservation. As for platelet concentrates, he focuses mainly on the characteristics and applications on Leukocyte and Platelet Rich Fibrin, with a particular interest in its related products like liquid fibrinogen.

Another research field is about piezoelectric bone surgery. In particular, he studied the thermal effects of bone instrumentation with piezoelectric techniques as well as the main factors influencing temperature rise during piezoelectric implant site preparation.

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Rome, 03/09/2021