



Saturday, 9 May 09:00 am-09:45 am

Restorative & Materials

INTRAORAL SCANNING AND OPTICAL IMPRESSION TECHNIQUES

Intraoral scanning, or optical impression, has theoretical origins dating back more than fifty years. After a slow initial phase, the technology underwent rapid development, leading to significant innovations in dentistry. Early scanners were monochromatic and required the use of opacifying powders, which limited their clinical application. Over time, technological advances enabled full-color, powder-free scanning, greatly expanding their use—from single restorations to complex full-mouth rehabilitations. Today's scanners allow the acquisition of highly detailed and realistic images, facilitating the planning and execution of customized treatments, including advanced and complex procedures. To achieve reliable results, it is essential to understand how scanners work, follow a proper workflow, and minimize operator-related errors. Careful management of the equipment ensures accuracy and optimal outcomes.

ALBERTO LIBERO



Dr. Alberto Libero graduated in Dentistry and Dental Prosthetics in 1989 from the Università di Torino. He trained in the departments of Extraction Surgery I and Oral Surgery II, where he obtained advanced training in Oral Surgery. He subsequently served as a Visiting Assistant in the Fixed Prosthodontics Department of Prof. U. C. Belser at the Università di Ginevra, where he had the opportunity to follow the teachings of Prof. P. Magne in aesthetic dentistry.

He was a tutor in the Endodontics and Restorative Dentistry Department at the Università di Torino and Adjunct Professor of Minimally Invasive Restorative Dentistry in the Degree Course in Dentistry and Dental Prosthetics at the same university from 2005 to 2012. He is a lecturer in the Master's program in Digital Dental Technologies at the Università di Ginevra (Switzerland) and in the Master's program in Restorative Dentistry at the Università di Bologna (Italy). He is an active member of the Accademia Italiana di Conservativa. He is the author of scientific publications, co-author of book chapters on Restorative Dentistry, and a speaker at conferences in the field of adhesive and aesthetic dentistry. He practices privately, with particular focus on restorative and prosthetic dentistry, including CAD-CAM techniques.