

Digital dentistry and posterior restorations

The digital dentistry era, thanks to the work of Francois Duret, who invented the first intra oral scanner, has begun in the early 70's involving, initially, only restorative dentistry in posterior teeth.

In 1987, following Morman and Brandestini's studies, Cerec I was produced. It was the first complete chairside CAD CAM system, with an intra oral scanner and a milling machine: from that moment it has been possible to work within a complete digital workflow. Till now, the industrial progress of available digital applications, tools and devices, such as intra oral scanners, has grown faster and faster and the quality is improving every day. In restorative dentistry for posterior teeth we can choose between a mixed analog-digital workflow and a complete digital workflow, to produce inlays, onlays and crowns, comparing time, costs and results achieved.

Moreover, CAD CAM technique, used in a digital workflow, allows us to use more kinds of materials compared to any analog technique and permits better information-sharing with our technicians. Nevertheless, it is important to remember that digital dentistry, with all its devices, is only a tool for our profession and this tool must be guided by a precise clinical and biological protocol.



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He graduated in medicine at the University of Bologna in 1977 and obtained a postgraduate specialization in Dentistry in 1980.

From 1980 to 1984 he attended the Conservative Dentistry ward of Bologna's Dental Clinic. From 1987 to 1988 he worked as a consultant for an important producer of dental materials.

Since 1998 he has been active member of the Italian Academy of Operative Dentistry.

In 1993 he worked as a professor at the University of Bologna, teaching dental materials .

He's Founder Member of GICC , Gymnasium Interdisciplinare Cad Cam (2007), of which he is president. He is Active Member of "Amici di Brugg". In 2009 he published the Amici Di Brugg's 26th yearly book "All Ceramic Restorations".

He keeps lectures in many congresses in Italy and abroad. He teaches in many theoretical and practical courses.

He always dealt with dentures and cosmetic dentistry with particular interest in bonded porcelain restorations.

He works in his private dental practice in Bologna, "Studio Associato Nove Archi" which he founded together with his 3 co-workers in March 2004.

