

# PROSTHODONTICS

August 17, 2023 | Webinar

Received date: 01-08-2023 | Accepted date: 02-08-2023 | Published date: 25-08-2023

## Tele dentistry and AI: Going to minimalistic dentistry in the new era of medical-dental integration

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The isolation of dentistry from the general healthcare system has got a change since the COVID-19 pandemic, which showed us, that any oral health problem, can worsen the overall health of the patient, complicating a previous systemic condition. The current dental practice is focused on the disease more than the causes, without considering personal characteristics. The incorporation of P4 to achieve interconnected health will be of great help: precise, personalized, preventive, and participatory. Integrating this medical principle into oral health would give a multidimensional view, as in Medicine. The applications of M-health, allow to monitor of oral health, reinforce the control of bacterial plaque, and provide support and guidance for post-surgery patients. This will lead to improved clinical decision-making, increase the effectiveness of clinical treatments, efficiency and expand access to care, while increasing prevention, especially in the management of chronic diseases. An artificial intelligence platform could serve as the first legitimate clinical decision-making tool, AI-powered tele dentistry can allow dentists in the future to remotely consult with the physician and patients, with implemented intraoral cameral, doing telepresence. AI and machine learning in dentistry would benefit when a standard for the content of validation datasets, and nonbiased algorithmic interpretation occurred. Developing a certification program for dentists and physicians to properly use AI in their practice will help to meet the standard of quality and safety needed to use AI responsibly and ethically. The use of Tele dentistry and AI can really help medical-dental integration, making a learning healthcare system, leading to precision oral medicine and the reduction of mistakes for delayed decisions of lack of the right specialist, for the benefit of the patient and giving person-centered care. Still remain work to do, but the future is now.

### Biography

Andrea Basualdo has been a dentist for more than 12 years and has medical studies. Quality Auditor of Healthcare Institutions. Trained in Health Management, clinical restorative restorations, and Endodontic specialist. MBA specializing in Health, training in Digital Health, Quality, Accreditation in Healthcare, and Infections associated with Health care. Experience in control and auditing of dental quality care. Participation in clinical meetings with dental risk prevention it's at the European level, sharing good practice.

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