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Titolo	11073-10417-2023 - IEEE Standard for Health Informatics--Device Interoperability Part 10417 : Personal Health Device Communication--Device Specialization--Glucose Meter / / IEEE
Pubbl/distr/stampa	New York, USA : , : IEEE, , 2023
ISBN	979-88-557-0185-2
Descrizione fisica	1 online resource (78 pages)
Disciplina	572.8
Soggetti	Bioinformatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Within the context of the ISO-IEEE 11073 family of standards for device communication, a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) is established by this standard in a manner that enables plug-and-play interoperability. Appropriate portions of existing standards are leveraged, including ISO-IEEE 11073 terminology, information models, application profile standards, and transport standards. The use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability are specified. A common core of communication functionality for personal telehealth glucose meters is defined in this standard.

2. Record Nr. UNINA9910580207303321

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Titolo	Current Techniques and Materials in Dentistry
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (168 p.)
Soggetti	Computer science Information technology industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	With advances in dental materials and their clinical applications, as well as innovations in computer technology, dental treatment is constantly evolving. In particular, adhesion technology to the tooth surface, implant treatments, and the application of CAD/CAM technology are very interesting topics for clinical dentists. As a bonding technique, the influence of the pre-etched area of the tooth surface on the adhesive strength can be reduced by the new application of a functional monomer. Additionally, the effect of an advanced adhesive system as a universal adhesive-derived primer, when compared with the two-step adhesive, is helpful for updating the applications of new materials. Dental implants are one of the most interesting dental treatments. PEEK (polyetheretherketone) has recently been reported as a further innovation in polymer implant materials, although it has not yet met the requirements to be a biomechanical requirement. In the placement of mini-screws used in orthodontic treatments, micro-cracks caused by overtorquing in thick and hard bone, and the consequent heat production, can reduce the success rate. Computer-aided design/computer-aided manufacturing (CAD/CAM) techniques are becoming increasingly popular. Since complete dentures can be produced using an additive (3D printing) or subtractive (milling) process, CAD/CAM techniques for denture fabrication have many clinical and laboratory advantages. Innovative and convenient dental

material technology will be more and more expected in the future. This book has limited findings, but we hope that your clinical capability will be integrated and upgraded.