SLOVENSKI STANDARD
oSIST prEN ISO 16443:2013

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Zobozdravstvo - Terminologija oralne implantologije (ISO/DIS 16443:2013)

Dentistry - Terminology of oral implantology (ISO/DIS 16443:2013)

Zahnheilkunde - Terminologie der oralen Implantologie (ISO/DIS 16443:2013)

Médecine bucco-dentaire - Vocabulaire d'implantologie buccale (ISO/DIS 16443:2013)

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Dentistry — Vocabulary of oral implantology

Médecine bucco-dentaire — Vocabulaire d'implantologie buccale

ICS 01.020; 11.060.01

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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This first edition of ISO 16443 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 3, *Terminology,* in collaboration with CEN/TC 55, *Dentistry*.

Introduction

This terminology international standard has been prepared and is presented accordingly with recommendations provided in:

ISO 704, *Terminology work — Principles and methods;*

ISO 860, *Terminology work — Harmonization of concepts and terms;*

ISO 1087-1, *Terminology work — Vocabulary — Part 1: Theory and application;* and

ISO 10241-1, *Terminological entries in standards — Part 1: General requirements and examples of presentation.*

Accordingly to ISO directives, ISO 704 and ISO 1087, this standard has been prepared and is presented in a systematic approach. The systematic approach presents the advantage of being independent from language, therefore allowing the same logical numbering in any language.

Dentistry — Vocabulary of oral implantology

1 Scope

This document specifies terms and definitions for dental implants and for instruments, accessories, and the most commonly used clinical terms related to implant systems and procedures in dentistry. Grafting materials and membranes are excluded from this standard.

The following devices are also excluded from the scope of this document.

Device specially designed to be placed within, through or upon the bones of the cranio-facial complex, the primary purpose of which is to provide anchorage for an epithesis (to replace for example : ears, noses and parts of eyes and orbital regions):

— epithesis implant;

— craniofacial implant;

— maxillofacial implant.

Device specially designed to be placed within, through or upon the bones of the cranio-facial complex, the primary purpose of which is to provide anchorage for an orthodontic appliance:

— orthodontic implant [1)]

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*.

For the purposes of this document, the terms and definitions given in ISO 1942 apply.

3 Medical devices used in oral implantology

3.1 Dental implant

3.1
dental implant
device especially designed to be placed within, through or upon the bones of the cranio-facial complex, the primary purposes of which are to support and/or to resist displacement of a dental prosthesis

3.1.1
endosseous dental implant
endosteal implant (deprecated)
dental implant (3.1) placed partially or entirely within the bone

1) This definition supersedes the one given in ISO 1942.

3.1.2
interim endosseous dental implant
provisional implant
endosseous dental implant (3.1.1) for temporary usage

3.1.3
transendodontic implant
endodontic endosseous implant
transradicular implant (deprecated)
rod, specially made to be inserted longitudinally either through a root canal or through a root segment which extends through the apex into the surrounding bone to stabilize a tooth

3.1.4
intramucosal implant
oral mucosal insert
submucosal implant
button implant (deprecated)
dental implant (3.1) placed in the soft tissue lining of the oral cavity

3.1.5
ramus endosseous implant
ramus endosteal implant (deprecated)
dental implant (3.1) placed within the ramus of the mandible

3.1.6
frame implant
ramus frame endosteal implant (deprecated)
endosseous implant and/or subperiosteal implant, placed in or on the mandibular bone and connected to an **implant superstructure** (4.23.1)

3.1.7
subperiosteal dental implant
subperiosteal implant abutment (deprecated)
dental implant (3.1) that is placed beneath the periosteum and overlying the bony cortex

3.1.8
transmandibular implant
dental implant (3.1) consisting of a plate and posts designed so that the posts can be placed to extend vertically from the inferior border of the mandible through the plate, bone and mucosa and into the oral cavity usually in the anterior region

3.2 Dental implant system

3.2
dental implant system
implant kit
implant system
integrated system of components, specific equipment and ancillary instruments necessary for the clinical and laboratory procedures required for the placement of the **dental implant** (3.1) and the construction and insertion of an implant-supported dental prosthesis

3.2.1
implant component
element of a **dental implant system** (3.2)

3.2.2
implant body
dental implant body
implant fixture (deprecated)
endosteal implant body (deprecated)
primary single component or portion of a **dental implant** (3.1) which is intended to remain within the tissues. The **implant body** (3.2.2) can be totally submerged by soft tissue, or partially penetrating soft tissue.

3.2.3
transmucosal component
part of a **dental implant system** (3.2) that passes through the mucosa

3.2.4
tissue interface surface
implant biological contact surface
surface of an **implant body** (3.2.2) or **implant component** (3.2.1) intended to contact host's tissues

3.2.5
implant component biological surface treatment
modification of a dental **implant component** (3.2.1) surface by subtraction or addition of material, including the constitutive material

3.2.5.1
implant component coating
layer of material, different from the constitutive material of the implant component, used to cover or partially cover a defined surface of an **implant body** (3.2.2) or an **implant component** (3.2.1)

3.2.6
connecting interface
implant connective platform
attachement end
portion of a dental **implant body** (3.2.2) or **implant component (3.2.1)** intended to connect with another **implant component** (3.2.1)

3.2.6.1
platform switching
connecting interface (3.2.6) designed to allow the use of the same **implant component** (3.2.1) independently from the diameter of the **implant body** (3.2.2)

3.2.7
anti-rotation feature
shape of the **implant connective platform** (3.2.6), that prevents rotation of the connected **implant component** (3.2.1) around the long axis of the **implant body** (3.2.2)

3.2.7.1
external anti-rotation feature
anti-rotation feature (3.2.7) extending outside the **implant body** (3.2.2)

3.2.7.2
internal anti-rotation feature
anti-rotation feature (3.2.7) shaped within the **implant body** (3.2.2)

3.2.8
implant abutment
implant component (3.2.1) connected to the **implant body** (3.2.2) or **implant connecting part** (3.2.9), which serves as an abutment