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ISO 16054:2000 Implants for surgery Minimum data sets for surgical implants

What is ISO 16054:2000 Implants for surgery Minimum data sets for surgical implants?

This is a list of published International Organization for Standardization (ISO) standards and other deliverables. For a complete and up-to-date list of all the ISO standards, see the ISO catalogue.

The standards are protected by copyright and most of them must be purchased. However, about 300 of the standards produced by ISO and IEC's Joint Technical Committee 1 (JTC 1) have been made freely and publicly available.

An implant is a medical device manufactured to replace a missing biological structure, support a damaged biological structure, or enhance an existing biological structure. Medical implants are man-made devices, in contrast to a transplant, which is a transplanted biomedical tissue. What is an implant in surgery?

Medical implants are devices or tissues that are placed inside or on the surface of the body. Many implants are prosthetics, intended to replace missing body parts. Other implants deliver medication, monitor body functions, or provide support to organs and tissues

What are the 4 types of implants?
Here are the four main types of dental implants that dentists choose to offer patients:

- Two-Stage Dental Implants:
- Endosteal/Endosseous Dental Implants:
- Single-Stage Dental Implants:
- Subperiosteal Dental Implants:

What are surgical implants made of?
Titanium and Titanium Alloys

Titanium is a common metal used for implantation in orthopedic surgery. While titanium is a metallic element, the majority of orthopedic "titanium implants" are, in fact, alloys.

Where are implants used?

They are used to treat conditions such as heart failure, cardiac arrhythmia, ventricular tachycardia, valvular heart disease, angina pectoris, and atherosclerosis. Examples include the artificial heart, artificial heart valve, implantable cardioverter-defibrillator, artificial cardiac pacemaker, and coronary stent.

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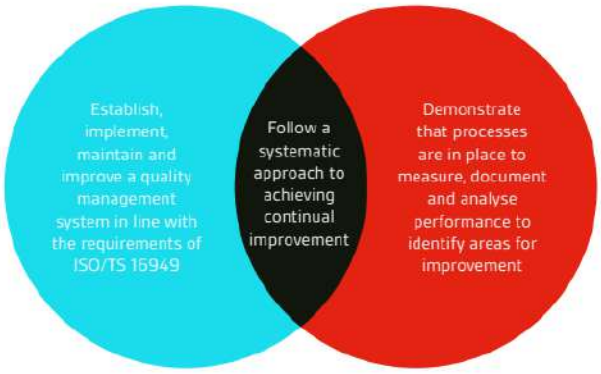
This is a dynamic list and may never be able to satisfy particular standards for completeness. You can help by adding missing items with reliable sources.

The principal requirements of the standard are illustrated below:



The next few pages of the guide takes you through the Plan-Do-Check-Act (PDCA) methodology, common in all ISO management systems and how DCS can help and support you on your ISO/TS 16949 journey.

Understanding the principles of continual improvement