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Implants for surgery — Metallic materials

Part 4:
Cobalt-chromium-molybdenum casting alloy

Fourth edition

Date: 2024-01-15Implants chirurgicaux — Matériaux métalliques —

Partie 4: Alliage de fonderie en cobalt, chrome et molybdène

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Foreword

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This document was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 1, *Materials*.

This fourth edition cancels and replaces the third edition (ISO 5832-4:2014), which has been technically revised.

The main changes ~~compared to the previous edition~~ are as follows:

— ~~—~~the introduction has been updated;

— Clause 4~~ Clause 4~~ on chemical composition has been updated;

— ~~—~~the mechanical testing language has been updated;

— ~~—~~this document has been ~~harmonised~~harmonized with the ISO 5832 series.

A list of all parts in the ISO 5832 series can be found on the ISO website.

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Introduction

While no known surgical implant material has ever been shown to cause absolutely no adverse reactions in the human body, long-term clinical experience with the material referred to in this document has shown that an acceptable level of biological response can be expected when the material is used in appropriate applications. However, this document covers the raw material and not finished medical devices, where the design and fabrication of the device can impact biological response.