INTERNATIONAL STANDARD

ISO 14243-1

> Second edition 2009-11-15 **AMENDMENT 1** 2020-01

Implants for surgery — Wear of total knee-joint prostheses —

Part 1:

Loading and displacement parameters for wear-testing machines with load control and corresponding environmental conditions for test (standards.iteh.ai)

AMENDMENT 1 ISO 14243-1:2009/Amd 1:2020

https://standards.iteh.implants/chirurgicaux/0d/Usure/des/prothèses totales de l'articulation 9ed0485du genoul 4243-1-2009-amd-1-2020

Partie 1: Paramètres de charge et de déplacement pour machines d'essai d'usure avec contrôle de la charge et conditions environnementales correspondantes d'essai

AMENDEMENT 1



ISO 14243-1:2009/Amd 1:2020 https://standards.iteh.ai/catalog/standards/sist/6f770d6b-25c9-4e40-9bf5-9ed0485879f8/iso-14243-1-2009-amd-1-2020



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This document was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 4, *Bone and joint replacements*. ISO 14243-1:2009/Amd 1:2020 https://standards.iteh.ai/catalog/standards/sist/6f770d6b-25c9-4e40-9bf5-

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Implants for surgery — Wear of total knee-joint prostheses —

Part 1:

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AMENDMENT 1

Clause 3

Replace the term and definition 3.3 with the following:

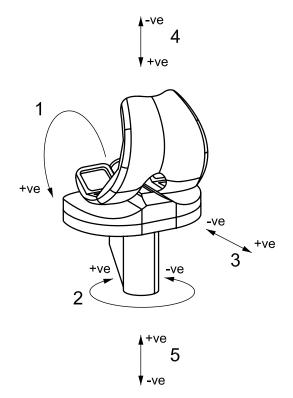
3.3

axial force

force applied to either the tibial component or the femoral component of the knee-joint prosthesis in a direction perpendicular to the transverse plane siteh.ai)

Note 1 to entry When applied to the tibial component, the axial force is considered positive when it acts in an inferior-to-superior direction (See Figures 1 and 2); when applied to the femoral component, the axial force is considered positive when it acts in a superior-to-inferior direction -25c9-4c40-9bf5-

Replace <u>Figure 1</u> and key with the following:



Key

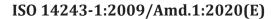
iTeh STANDARD PREVIEW flexion (of femoral component)

- 1
- 2 tibial rotation

- (standards.iteh.ai)
- AP displacement by the tibial component 3
- polarity of axial force when applied to the femoral component of 1.2020 4
- polarity of axial force when applied to the ubial component 9ed04858/9f8/iso-14243-1-2009-amd-1-2020 5

Figure 1 — Sign convention for the forces and motions, shown for a left total knee replacement system

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