

INTERNATIONAL
STANDARD

ISO
14242-4

First edition
2018-05

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

Part 4: Testing hip prostheses under variations in component positioning which results in direct edge loading

*Implants chirurgicaux — Usure des prothèses totales de l'articulation
de la hanche —*

*Partie 4: Essai des prothèses de hanche par variation du
positionnement des composants pour induire un chargement direct de
bord*



Reference number
ISO 14242-4:2018(E)

© ISO 2018



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Testing conditions	1
5 Simulator set up	2
6 Output measurements	3
7 Reference specimen	4
8 Test report	4
Annex A (informative) Dynamic separation and edge loading	6
Bibliography	11