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Ophthalmic instruments — Optical coherence tomograph for the posterior segment of the human eye

Instruments ophtalmiques — Tomographe à cohérence optique du segment postérieur de l'oeil humain



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

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Introduction

Until recently, it was impossible to obtain medically relevant depth-resolved information of the inner structures of the human eye, including those of the retina. With optical coherence tomography (OCT), eye care practitioners now have an available non-invasive method that allows the rapid generation of high-resolution three-dimensional *in vivo* images of the eye. Currently, there exist no well-defined and widely accepted requirements for either OCT instruments or the data collected and displayed with them. Consequently, it is very difficult to compare the instruments, their measurement results, and medically relevant diagnostic findings based on them. This International Standard aims to define the necessary terminology and performance requirements for OCT instruments and to establish standardized framework conditions for the application of OCT technology to ophthalmic imaging.