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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Prosthetics and orthotics - Functional deficiencies - Description of the person to be treated with an orthosis, clinical objectives of treatment, and functional requirements of the orthosis

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is equivalent to ISO 8551:2020 "Patients treated with prosthetics and orthotics, clinical treatment objectives,

Description of functional requirements for orthotics":

The following minimal editorial changes have been made to this document:

--- The scope has increased the note, indicating the applicable limit;

--- Notes are added to the normative reference documents, and the national standardization documents with consistent correspondence are given:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

The quality of life of people is affected by their health status, impairment of bodily functions and structures, and resulting limitation of activities:

Influence:

The purpose of orthotic treatment is to address functional and structural impairments, reduce activity limitations, and thereby improve participation in daily life:

This document provides clinical practitioners with the ability to document the patient's condition, clinical treatment goals, and the orthotics provided to achieve those goals:

The method by which relevant information can be requested:

Developing this unified approach for comparing clinical practice and treatment outcomes across institutions is of great importance to epidemiologists and health sector managers

Also valuable:

Prosthetics and Orthotics Deficiency Orthotics

Treated patient, clinical treatment goal, orthosis

Description of functional requirements

1 Scope

This document gives a description of the patient to be treated with an orthosis, the clinical goals of the treatment and the functional requirements of the orthosis:

NOTE: This document is intended for orthotic clinical practitioners to record information:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document:

ISO 8549-1 Terminology of prosthetics and orthotics Part 1: Basic terminology for external limb prosthetics and external orthotics

external orthoses)

Note: GB/T 14191:1-2009 Prosthetics and Orthotics Terminology Part 1: Basic terms for external limb prostheses and external orthotics

(ISO 8549-1:1989, IDT)

Note: GB/Z 40839-2021 Classification and description of prosthetics and orthotics orthotics and orthotic components (ISO 13404:2007, IDT)

3 Terms and Definitions

The terms and definitions defined in ISO 8549-1, ISO 8549-3 and ISO 13404 and the following apply to this document:

3:1

The spatial relationship between the ends of bone segments:

NOTE: Alignment of bone segments is determined by their integrity and/or shape:

3:2

joint alignment of a joint

The spatial relationship between the bone segments that make up a joint:

NOTE: Joint alignment is determined by the integrity, shape, and motion of the associated muscle and ligament/joint capsule tissues of the skeletal segments that make up the joint: These factors also constrain

Mode and range of joint motion:

3:3

Stability stability

The ability of a skeletal segment or joint to maintain alignment under muscular and/or external loads: