



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

GB/T 30660.3-2021

**Prosthetics and orthotics - Vocabulary - Part 3: Pathological gait
(English Translation)**

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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 of Standardization Documents" drafted:

This document is part 3 of GB/T 30660 "Terminology of prostheses and orthoses": GB/T 30660 has released the following parts:

- Part 1: Normal gait;
- Part 2: Prosthetic gait;
- Part 3: Pathological gait:

This document is equivalent to ISO 29783-3:2016 "Terminology for prosthetics and orthoses - Part 3: Pathological gait (excluding prosthetic gait)":

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

- In order to harmonize with existing standards, the standard name was changed to "Prosthetics and Orthotics Terminology Part 3: Pathological Gait":

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

There is no unified term for pathological gait in China:

Different industry and clinical groups in different regions have developed and used their own set of terminology according to their needs:

This document will assist practitioners in systematically describing patient gait and facilitate comparisons of experience among practitioners:

GB/T 30660 aims to define the terms of gait in the configuration of prostheses and orthoses, and is intended to consist of three parts:

--- Part 1: Normal gait: The purpose is to define the term for normal human gait:

--- Part 2: Prosthetic gait: The purpose was to define prosthetic gait terms for unilateral lower limb amputees:

--- Part 3: Pathological gait: The purpose was to define the terms of pathological gait in patients who deviate from normal gait:

Prosthetics and Orthotics Terminology Part 3: Pathological Gait

1 Scope

This document describes pathologically abnormal gaits (excluding prosthetic gait) by identifying deviations from normal gait during branch phases of each gait cycle:

state) way: Deviation descriptions include abnormal foot landing and joint movement abnormalities:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document:

ISO 29783-1 Terminology for prosthetics and orthotics - Part 1: Normal gait (Prosthetics and orthotics-Vocabulary-Part 1:Normalgait) Note: GB/T 30660.1-2014 Terms of Prosthetics and Orthotics Part 1: Normal Gait (ISO 29783-1:2008, IDT)

3 Terms and Definitions

Terms and definitions defined in ISO 29783-1 apply to this document:

4 Pathological gait

4.1

General

Structural damage to the musculoskeletal system and/or muscle weakness and/or neuromuscular control abnormalities can result in abnormal gait: lumbar spine, pelvis and Movement abnormalities of lower extremity segments may be the result of pathology and/or compensation:

NOTE: Movement abnormalities in the rest of the body, including the trunk, head, neck, and upper extremities, are not described in this document:

4.2

Description method

4.2.1

Gait deviation Abnormal gaits should be described by a description of the deviation from normal gait for each branch phase of the gait cycle:

- In the early stage of landing;
- load-bearing reaction period;
- Support mid-term;
- end of support;
- Pre-swing;
- initial swing;
- mid swing;
- End of swing:

Normal gait as defined by ISO 29783-1 is widely recognized in the adult population: This document applies to the population should be determined to deviate from the normal step