

Physical Examination for CP Patients

In order to ensure the best orthotic treatment of patients with cerebral palsy, a standardised basis for the evaluation of gait is necessary. The Amsterdam Gait Classification helps to classify CP patients and divides them into five gait types. It evaluates knee position and foot contact in mid stance. The patient classification is an essential factor for the physical exam for CP patients.

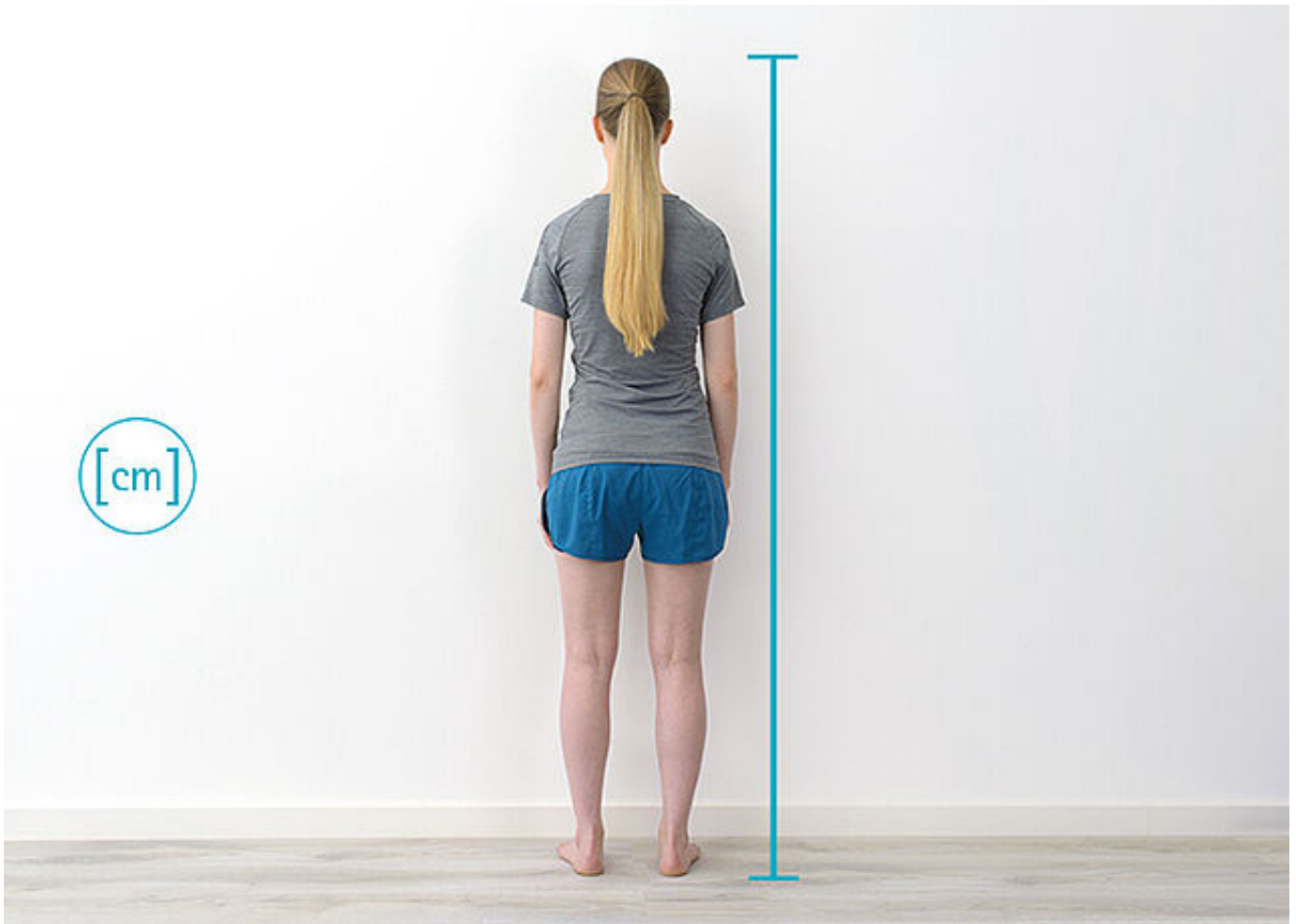
According to the "Concept for the Orthotic Treatment of the Lower Extremity in Cerebral Palsy " we provide an [Orthotic Treatment Sheet](#) which was specifically designed for CP patients. You will find detailed information about the concept in our [CP Guide](#).



Body Weight

Determine the body weight. Foreseeable changes, like a weight gain due to growth, should be taken into consideration.

Step 2/2



Body Height

Determine the body height. Foreseeable changes, like a change in height due to growth, should be taken into consideration.

FIOR & GENTZ

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1



2



3



4

Activity Level

Evaluate the activity level together with your patient while already taking foreseeable changes into consideration.



1



2



3



4

1. Indoor Walker

Activity level 1 corresponds to GMFCS level 4 and FMS level 2. Activity level 1 of the FIOR & GENTZ classification corresponds to level 4 of the GMFCS classification and to level 2 of the FMS classification. Both classification levels are described more detailed in the following.

GMFCS Level 4:

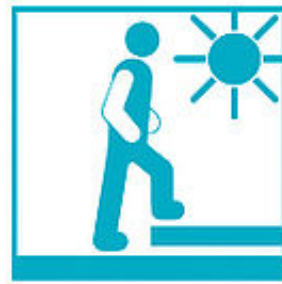
Patients can only walk with walking aids. They use a walker without help from another person. For climbing stairs they have to hold onto a railing and require help from another person. They can only walk with walking aids over long distances.

FMS Level 2:

Patients use a walker in addition to an orthosis in order to be able to walk without help from another person.



1



2



3



4

2. Restricted Outdoor Walker

Activity level 2 corresponds to GMFCS level 3 and FMS level 3. Activity level 2 of the FIOR & GENTZ classification corresponds to level 3 of the GMFCS classification and to level 3 of the FMS classification. Both classification levels are described more detailed in the following.

GMFCS Level 3:

Patients can only walk with walking aids. They use a walker without help from another person. For climbing stairs they have to hold onto a railing and require help from another person. They can only walk with walking aids over long distances.

FMS Level 3:

Patients use canes/crutches in addition to an orthosis in order to be able to walk without help from another person.



1



2



3



4

3. Unrestricted Outdoor Walker

Activity level 3 corresponds to GMFCS level 2 and FMS level 5. Activity level 3 of the FIOR & GENTZ classification corresponds to level 2 of the GMFCS classification and to level 5 of the FMS classification. Both classification levels are described more detailed in the following.

GMFCS Level 2:

Patients are usually able to walk without walking aids. For climbing stairs they have to hold onto the railing with one hand. Running, jumping, long distances, uneven terrain and crowded areas trouble the patients.

FMS Level 5:

Patients use no devices in addition to an orthosis and do not need any help from another person in order to be able to walk. For climbing stairs they have to hold onto the railing with one hand.



1



2



3



4

4. Unrestricted Outdoor Walker with Especially High Demands

Activity level 4 corresponds to GMFCS level 1 and FMS level 6. Activity level 4 of the FIOR & GENTZ classification corresponds to level 1 of the GMFCS classification and to level 6 of the FMS classification. Both classification levels are described more detailed in the following.

GMFCS Level 1:

Patients do not need any walking aids. Running, jumping as well as climbing stairs without the use of a railing do not pose a problem.

FMS Level 6:

Patients use no devices in addition to an orthosis and do not need any help from another person to be able to walk. They can walk on any terrain and in a crowded area.

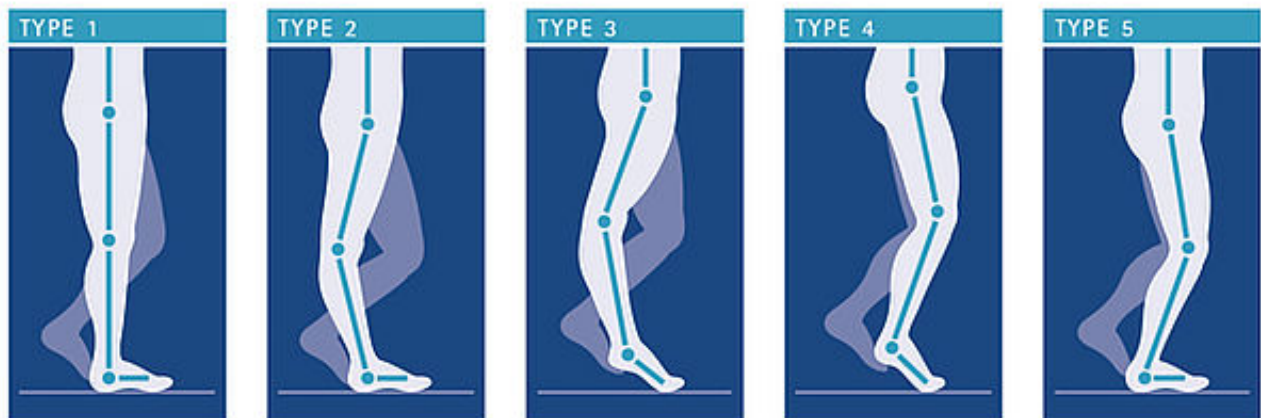
Gangtypen nach Amsterdam Gait Classification

Types of Gait According to the Amsterdam Gait Classification

Types de marche selon l'Amsterdam Gait Classification

Tipi di deambulazione secondo l'Amsterdam Gait Classification

Gangtypen volgens de Amsterdam Gait Classification



Gait Type

Determine the patient's gait type according to the Amsterdam Gait Classification.

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