

About the Development

Brad J. Larson MD, has been a practicing orthopaedic surgeon for over 20 years. One consistent complaint that he has heard from his patients is that they dislike having to use the old style crutches. After having consulted with hundreds of patients, He knew that it was time for a change.

Dr. Larson and Ken Lester started Millennial Medical with a two fold mission of first, developing a clinically correct crutch, and second, keeping it cost affordable so that anyone who needed it could afford the cost.

The development took three years and was based on 34 different published medical studies. With a team of engineers and prototype users, the crutch was finally completed.

In October 2005, the crutch was awarded the National Merit Award, for the product which most improves the quality of life. This award was presented to Millennial Medical at the National MedTrade conference in Atlanta Georgia where the crutch was being shown as a new product coming onto the market. It was distinguished as the "Best New Product" for 2005-2006.

The crutch is perfect for any type of user. You will now see the crutch being used by many professional athletes in all sports. The distribution network has now increased throughout the world and is in every state in the US.

The true test has been those who have used the crutches. We now have thousands of satisfied users, hardly a week passes without a customer sending in a thank you note or testimonial letter. We know that you will like your new Millennial crutch and have provided a full one year warranty. If you have any problems, call us and we'll take care you.

IN-Motion

by Millennial Medical



REVOLUTION
INNOVATION
COMFORT
STYLE

THE STORY BEHIND THE PRODUCT

Millennial Medical

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Millennial Medical
Designing the Future

Unique Design

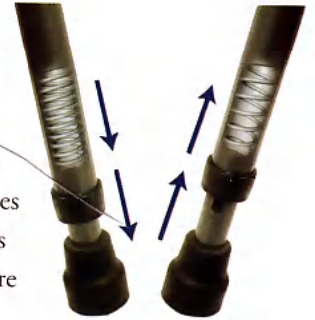
It is the design that makes the Millennial Crutch unique and technically correct. The actual center of gravity is in front of the post, helping to create a fluid walking motion. This motion not only keeps the impact out of underarm but also transfers upper body leverage into positive motion, making the crutch easier to use and requiring much less energy.

Old traditional style crutches have a center of gravity directly up the middle. This creates a “push-pull” motion. The resulting motion is less fluid, driving the crutch into the underarm and requires more energy.



Spring Assist/Shock Absorbing System

The Millennial Crutch converts negative impact energy, or static energy, into usable, kinetic energy. As impact occurs, the spring absorbs the static energy and stores it. As the user moves forward, the spring releases this stored energy, returning the users own energy and helping them to move forward



Published medical studies conclude a traditional style crutch requires twice as much energy to use than does normal walking. The Millennial Crutch reduces the amount of energy required during crutch use, greatly improving healing and recovery time.

Ergonomic/Anatomical Handgrip

Both the downward angle of the handle and the anatomical grip keep the wrists and hands in a correct, natural position. This aligns the wrist with the bones of the arm for strength and keeps the carpal tunnel, the ulna, and the median nerve routes open and unrestricted. This protects vital reflex nerve systems from impact damage.

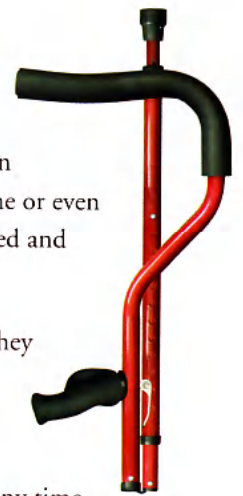
Old traditional style crutches cock the wrists, kink the carpal tunnel, and create irritation and damage to vital and sensitive areas of the wrist and hand.



Folding Design

The Millennial crutch is great for users on the go. The crutch can be folded and stored in a small trunk of a car, or in an overhead bin of an airplane. At the ballgame or even out to dinner, the crutch can be easily folded and safely stored away.

Athletic trainers appreciate this feature as they can store sets of crutches in a normal sized athletic trainer bag. Prosthetic users can put the crutch in a suitcase and conveniently carry it with them for use at any time.



Summary

The Millennial crutch works as a system of specialized features. The upper body leverage obtained from the unique design combines with the spring release to return positive energy back to the patient.



The ergonomic/anatomical handle works with spring to absorb impact energy and to keep pressure away from sensitive areas of the hand and wrist.

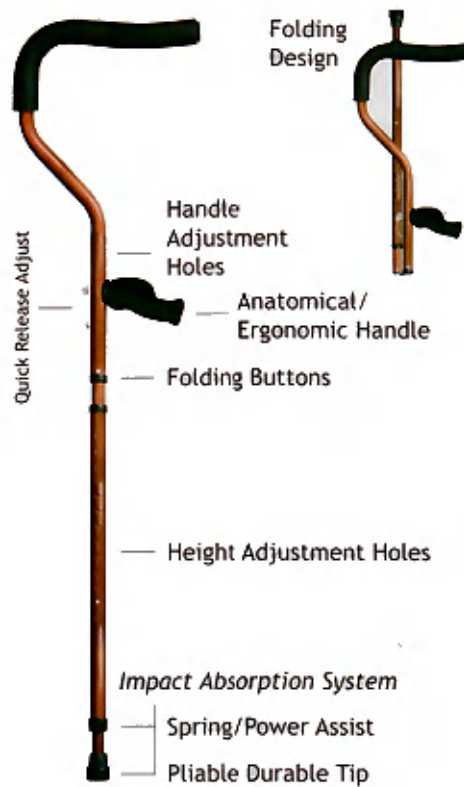
The spring system works with the underarm cradle to keep the motion downward as the spring compresses, eliminating underarm jamming.

The Millennial Crutch Family

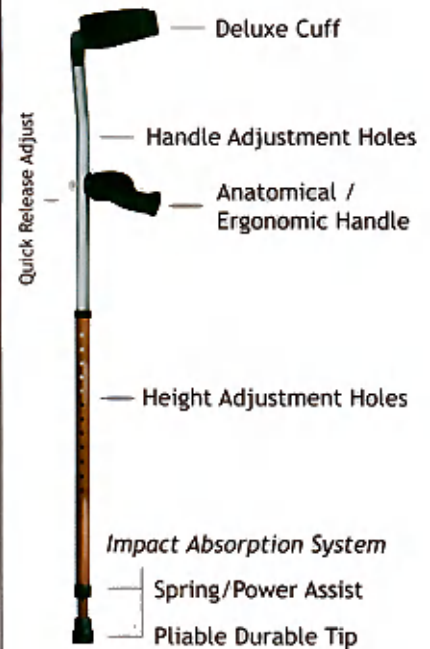
Millennial Plus



Millennial Pro

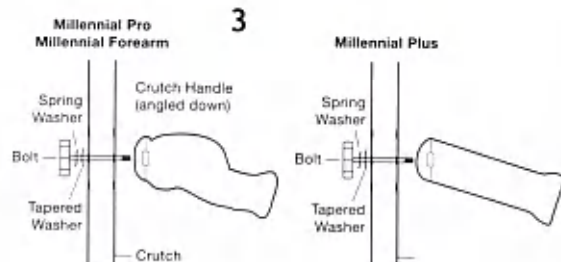


Millennial Forearm

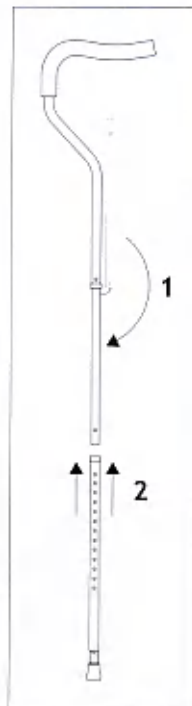


Setup / Assembly

1. Make sure the fold section is securely in place. (Millennial Pro model only)
2. Slide on bottom post. Use the buttons to get the correct height. (see adjustment / fitting)
3. Attach the Handle
 - a. Put the lock or spring washer on the bolt. (Millennial Plus model only)
 - b. Put tapered washer on after lock or spring washer. (Millennial Plus model only)
 - c. Slide the bolt through the back of the crutchpost and into the handle.



Adjustment / Fitting



Correct



Incorrect



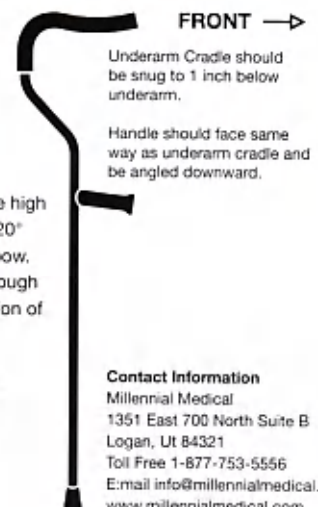
STAND UPRIGHT. Don't hunch or bend downwards. Keep shoulders level, bring chest forward. If possible, swing through as you walk.

Adjust underarm cradle so that it is snug to 1 inch below underarm.



Place handle in a hole high enough to provide a 20° to 30° bend in the elbow. Place handle high enough to prevent full extension of the elbow.

Handle attached in a downward position.



Contact Information
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 www.millennialmedical.com

Warnings

Properly assemble crutch per instructions. Consult a medical professional for proper fitting and use. Follow all fitting instructions. Before each use, ensure all bolts and buttons and other fittings are tight and properly fitted. If any part of the crutch becomes loose or unstable, discontinue use immediately. Crutches are not intended for icy, wet or slippery surfaces, going up or down stairs, which may result in injury. Examine the crutch frequently and replace all worn parts. Contact Millennial Medical immediately for replacement parts. If any part of the crutch does not operate properly, discontinue use immediately.

Warranty

Please contact Millennial Medical for any warranty concern. This product carries a one year limited warranty on all parts. Any defective part will be repaired or replaced at Millennial Medical's option. This warranty does not cover shipping costs incurred with replacement. The warranty extends to the original purchaser. This warranty does not cover negligence, abuse or misuse. Millennial Medical shall not be liable for any consequential or incidental damages whatsoever.

◆◆ 折りたたみ松葉杖 ミレニアル・プロ ◆◆

使用説明書

17-1-1	チャコールグレー・レギュラー 2本組/セット	(1本の場合 17-2-1 右	17-2-2 左)
17-1-2	チャコールグレー・ツール 2本組/セット	(1本の場合 17-3-1 右	17-3-2 左)
17-1-3	レッド・レギュラー 2本組/セット	(1本の場合 17-4-1 右	17-4-2 左)
17-1-7	レッド・ツール 2本組/セット	(1本の場合 17-8-1 右	17-8-2 左)
17-1-4	ブルー・レギュラー 2本組/セット	(1本の場合 17-5-1 右	17-5-2 左)
17-1-8	ブルー・ツール 2本組/セット	(1本の場合 17-9-1 右	17-9-2 左)

これまでと違う、新しいタイプの折りたたみ松葉杖。筒状でソフト、脇の下を傷めにくい、長い脇支えが大変ラクです。ミレニアル・プロのグリップは右手用、左手用と形状が別個になっています。右左、それぞれにフィットするつくりです。



- 特徴:
- 1) 長く、ソフトな脇支え
 - 2) 握りやすい、やや下向きのグリップ
 - 3) 折りたたむのでしまう時は半分の長さ。
 - 4) 突いたときの衝撃を和らげる、弾力性のあるバネ(ショックアブソーバー)入り。下に突いたときの反動で体を押し出し、前に進みやすくなります。

折り畳み時

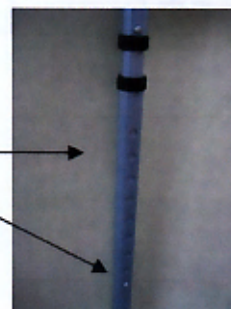


ショックアブソーバーのしくみ

脇支え



長さ調節ボタン
(レギュラーサイズ 9箇所・
ツールサイズ 13箇所)



バネを
先ゴム


調節方法:

1) クラッチが折りたたんだ状態のときは、まず、折りたたんだクラッチを伸ばします。本体の両サイドに出ているスチールのボタンを両穴から出すとパチッとハマり、一本のクラッチの形になります。

2) 脇支えからグリップまでの調節:
グリップは本体に沿わせ、好みの長さに合わせて
ボルトねじを手で回して締めます。



長さ調節用のボタンが両サイドから出てますので、両側を押さえ、穴に引っ込ませてちょうど良い位置の穴に移動させ、ぱちっとはまるようにします。



ミレニアルプロ(松葉杖)の使い方

脇下から握りこぶし1個分ほど開けて、脇パッドを挟む様にして歩行して下さい。

※脇下には、指を動かす神経が多数ありますので、圧迫が続くと腕が痺れたり、指が動かしづらくなる場合があります。

歩行する際は、全体重がグリップに乗りますので、軽く肘を曲げてバランスを意識して歩行して下さい。

バランスを取りやすくするには、正面から見て、松葉杖がハの字にすると楽に歩行ができます。

適応身長(目安)	脇支えからグリップまで	全体の長さ	
レギュラー: 140cm-175cm	レギュラー: 調整4段階	レギュラー: 調整9段階	107-127cm
トール: 175-208cm	トール: 調整5段階	トール: 調整13段階	126-157cm
使用者の体重	素材(杖部分)	重量	先ゴム径
136kgまで	アルミニウム	1,090g・1,260g	18mm

製造: ミレニアルメディカル、U.S.A.

輸入販売元: **プロト・ワン** 有限会社

非課税商品 製造地: 中国

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