Precision Made in Michigan USA—ISO 13485:2003 Medical Device Facility
The Willow Story

BUILT IN MICHIGAN USA

In 1981, our medical director, a noted nephrologist, entered private practice after co-developing the first regional kidney transplant program at the Medical College of Ohio. Concurrently he established and administered the region’s first and only tissue-typing laboratory, and created and directed a Total Renal Care Unit on the Medical College campus. Many of his patients were unable to use traditional measures to safely manage their joint pain. Pain medication and NSAIDS were problematic and potentially lethal. Even a single aspirin could potentially shut down their kidneys. Treatment options were limited. He began research on other pain management technologies.

In the late 1980’s, he and our CEO, the tech visionary and inventor, joined forces to research and develop a new device. The Willow Curve embodies sophisticated technology that combines the benefits of laser, infrared, and LEDs in a therapeutic and engineering conglomerate that culminates into clinical grade pain relief.
Things to Remember

- **Potential to Reduce the Use of Pain Meds:** LLLT is well researched and documented and used for years; landmark research by NASA.

- **Intelligence:** Willow Curve breakthrough Ai software controlled technology combines therapeutic advantages of infrared, diode, and laser in one device.

- **Easy:** One button operation with 5 pre-programmed application modes. Hands free use.

- **Therapeutic Advantage:** Alternating Pulse Therapy penetrates the tissues from multiple physical angles and various depths without elevating tissue temperature to dangerous levels.

- **Safe:** Can be use in office or at home; no special equipment is required.

- **Contraindications:** Do not use in the presence of infection. Do not use if pregnant. As always, consult your physician before beginning any therapy.
Joint Therapy

Many Curve users often obtain favorable results after a single therapy session. Others may require daily therapy. The following Willow Curve protocols are designed to offer therapy suggestions.

Call us at (800) 257-4505 if we can help.

As always please consult your physician before beginning any therapy.

What will I feel during treatment? The Willow Curve operates silently no jarring vibration or pounding during your therapy session. You might feel a pleasant soothing sensation during therapy.

Place your Willow Curve on bare skin free of lotions or creams. Relax and let the Curve go through the full 25 minute therapy cycle. At 24 minutes you will hear one tone and then at 25 minutes you will hear three tones that signal the end of the session.
Willow Curve® Performance Measurement Example

Measure the flexibility of your joints

- Before and After Therapy.
- Below is an example of measuring flexibility for knee joints.
- Flex to the point of initial tightness/pain.
- Record the degree of flexion / pain.

Standing  15° Bend  30° Bend  45° Bend  60°+ Bend
Willow Curve

1. Plug the charging base into your wall outlet using the power adapter supplied in the packaging.

2. Place your Willow Curve on the charging dock. The battery is preinstalled at the factory. DO NOT remove the battery. The first time, it may take 4-5 hours for a full charge.

3. Plug here into charging base. When plugged directly into Willow Curve, unit will run, but not charge battery.

When charged, you are ready for your first Willow Curve session. Remove the plastic protective tab extending from the battery compartment. First, Press the Power Button for 2 SECONDS to power up your Curve. Then, Press the Mode Button and select:

- **Mode 1** (Acute) New Injuries < 36 hours old
- **Mode 2** (Chronic High) Most energy formulation
- **Mode 3** (Chronic Medium) Medium energy formulation
- **Mode 4** (Chronic Low) Lowest energy formulation
- **Mode 5** (Booster) — Neuropathic Rx formulation, Supplements Modes 1-4.
The Knee

1. Check your knee performance using the Willow icons below.
2. Position yourself in a recliner, bed, or couch with your knee elevated at or above the hip level.
3. Place the Curve on the center of the lower leg on bare skin just below the knee cap without the strap. Treat with Mode 2.
4. If symptoms persist, turn the Curve upside down and position the back of your knee on the Curve’s treatment surface.
5. Use with Mode 2 and repeat if needed. If this placement provides the best results, use this area as your primary Willow Curve placement site.
6. Repeat the sequence again as needed for pain
7. Recheck performance to evaluate your progress.

Self Test

<table>
<thead>
<tr>
<th></th>
<th>Day 1</th>
<th>Day 30</th>
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</thead>
<tbody>
<tr>
<td>1. Mobility</td>
<td>Standing</td>
<td>5° Bend</td>
</tr>
<tr>
<td>2. Pain Level</td>
<td>No Pain</td>
<td>1</td>
</tr>
<tr>
<td>3. Strength/Balance</td>
<td>How many Stairs Can You Climb Before You first sense any Joint</td>
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The Shoulder

1. Check the range of mobility of your shoulder by extending your arm out from the side and then to the front up towards the ceiling. Note the amount of elevation achieved until the first tightness or pain and record.

2. Position the Curve over the most tender area of the shoulder. It may be secured in place with undergarment straps or a t-shirt.

3. Treat with Mode 2.

4. If symptoms persist position yourself on your back with your arm extended over your head.
   a) Place the Curve under the arm (see Axilla underarm illustration)
   b) Treat using Mode 2
   c) If the area is too sensitive use Mode 4.
   d) If your condition responds to this position best, you may substitute this position for #3 and #4 above.

5. If symptoms persist after one week, place the Curve on the back of your neck (see Cervical illustration. It may be secured in place with undergarment straps or a t-shirt.

6. Treat with Mode 2 or 5. Use the mode that give you the best results.

7. Recheck your shoulder mobility.
The Neck

1. Note the degree of movement in your neck rotated side to side and up and down.

2. Apply the Curve to the back of your neck. Hold in place with undergarment strap or under a t-shirt.

3. Treat with Mode 2.

4. If symptoms persist, treat with Mode 5

5. Note the degree of movement of your neck side to side and up and down and your pain level to evaluate your improvement.

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<thead>
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<tbody>
<tr>
<td>1. Mobility</td>
<td></td>
<td></td>
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<tr>
<td>2. Pain Level</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>No Pain</td>
<td>Moderate Pain</td>
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</table>
The Elbow and Forearm

1. Check elbow performance.
   a) Note the range of elbow joint mobility and pain.
   b) Test what seems to produces your pain. For example, flex and extend the elbow, rotate your hand palm down and palm up, shake hands or turn a door knob or a key.

2. Position the Curve over the most tender area of the elbow.
   a) Drape it over the outside of the elbow or,
   b) Position the Curve upside down on a pillow and place your elbow in the Curve with the inside or outside touching the treatment surface. You can also flex your elbow and place it in a Curve positioned upside down on a pillow.

3. Try Mode 2.

4. Immediately follow with a Mode 5 treatment.

5. ALTERNATIVE APPROACH: If there is no improvement after 1 week, try the back of the neck as described in steps 6 & 7.

6. Move the Curve to the back of the neck and treat with Mode 2 then Mode 5. If that gives relief, incorporate the neck treatment with direct treatment of the elbow.

7. Recheck your elbow pain and performance.

8. Repeat the same sequence. Consider treating the opposite side of the elbow with Mode 2 and 5.

9. About 10-12 hours later. Repeat the elbow sequence.

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<thead>
<tr>
<th>Day</th>
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<th>2. Pain Level</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>30</td>
<td>1. Mobility</td>
<td>2. Pain Level</td>
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<tr>
<td></td>
<td>No Pain</td>
<td>No Pain</td>
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<tr>
<td></td>
<td>Moderate</td>
<td>Moderate</td>
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<tr>
<td></td>
<td>Intense</td>
<td>Intense</td>
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The Hand and Fingers

1. Check hand/finger performance.

   a) Open/close the hand and note mobility, tightness, and pain.

   b) Flex, extend the fingers and note the pain and tightness.

   c) Compare right to left side and note any size and swelling difference in your hands and fingers.

   d) Test what produces your pain.

2. Position the Curve over the most tender area of fingers/hand.

   a) Drape it over the top of the hand or.

   b) Position the Curve upside down on a pillow and place your hand/fingers in Curve with the skin touching the surface of the Willow Curve.

3. Treat with Mode 2.

4. Turn your hand/fingers over to the other side.

5. Use Mode 2.
The Wrist

1. Check wrist performance.
   a) Note the range of wrist joint mobility and pain.
   b) Test what seems to produce your pain.
   c) Flex, rotate and extend your wrist.
   d) Hold a moderately heavy object.
   e) Record your mobility/pain level.

2. Position the Curve over the most tender area. Drape it over the top of the wrist or position the Curve upside down on a pillow and lay your wrist in the Curve with the most painful area (medial or lateral) touching the treatment surface.

3. Treat with Mode 2. Immediately follow with a Mode 5 treatment.

4. You can also try treating the other side of the wrist.

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<td>1. Mobility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Pain Level</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>No Pain</td>
<td>Moderate Pain</td>
<td>Intense Pain</td>
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</table>
Ankle, Foot, and/or the Achilles Tendon

1. Check your foot/ankle performance and symptoms and test what movements and positions produce your pain. Try movement up, down, with and without weight bearing and identify and record tender areas.

2. Position yourself in a recliner, chair, bed, or couch and drape the Curve over the top of the ankle/foot. Padding under the foot will help with a better fit. Or Position the Curve upside down on a pillow on the floor or against a pillow on a recliner, bed, or couch.

3. Place the tender part of your foot/ankle in the Curve with the maximum surface area touching the treatment surface. Lie on your back or side to get the most comfortable fit and most surface area contact.

4. To treat the Achilles tendon, place the Curve upside down and rest the back of your ankle on the treatment surface.

5. Treat with Mode 2; if symptoms persist, treat with Mode 5.

6. Reposition foot/ankle to treat additional painful areas.

7. Recheck your foot/ankle performance and symptoms.

8. Repeat the treatment sequence in 10-12 hrs.
Sole of Foot

1. Check your gait, foot performance, symptoms, and test and record what movements and positions produce your pain. Try movement up, down, with and without weight bearing and identify tender areas.

2. Position the Curve:
   a) Position yourself in a recliner chair, or couch. Place the Curve upside down on a pillow on the floor.
   b) Place the tender part of your foot in the Curve with the maximum surface area touching the treatment surface.
   c) Do not stand on the Curve

3. Treatment with the Curve:
   a) Try Mode 2.
   b) Consider doing another session

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2. Pain Level

<table>
<thead>
<tr>
<th>No Pain</th>
<th>Moderate Pain</th>
<th>Intense Pain</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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<tr>
<td>4</td>
<td>5</td>
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4. If symptoms persist, treat with Mode 5.

5. Reposition foot to treat additional painful areas as described in #3.

6. Recheck and record your foot performance and symptoms.

7. Approximately 10-12 hours later, repeat the foot treatment sequence.
The Foot and Leg

1. Check your leg/feet for painful/numb areas. Test and record what movements, positions, and pressure produce your symptoms.

2. Position yourself in a recliner chair, bed or couch. For initial treatment select the most bothersome area.

3. For the **top of the foot or leg**: Drape the Curve over the top of the area. Padding under the foot will help with a better foot fit.

4. For the **bottom of the foot**: Position the Curve upside down on a pillow on the floor or against a pillow on a recliner, bed, or couch. Place the tender part of your foot/leg in the Curve with the maximum surface area touching the treatment surface.

5. Use **Mode 5** and follow immediately with another **Mode 5** treatment.

6. Reposition foot/leg for additional painful areas.

7. A **mode 2** treatment can be used if symptoms persist.

8. Recheck your symptoms and record.

9. About 10-12 hours later, repeat the treatment sequence.

10. **Mode 5** is designed for nerve related conditions (you may consider multiple treatments back to back).
The Low Back

Low Back with frequent problem areas designated in red

Most Willow Curve therapy requires placement of the Willow Curve directly on the problem area.

You might wish to consider the customized therapy that follows.
The Low Back

Observe and record movements, activities, and positions produce your back pain. Check tender spots, note the pain level and record these observations for later reference.

Position yourself in a recliner chair, bed or couch.

**Protocol 1**
Press the power button on, select mode 2 and place the Willow Curve upside down directly behind your knee. (the entire back of your knee should be resting in the Curve with as much of your skin surface as possible in direct contact with the curved treatment area.

a) If you choose, you can lie on your stomach with a bolster/pillow under your ankles and position the Curve draped over the back of the knee.

b) Select the knee on the same side as your back pain. If your pain is midline/bilateral you may need to treat each side. (some patients have a second curve and can treat both sides at once.

**Protocol 2:**

a) Press the power button on and select mode 2
b) Position the Willow Curve on the front of the knee just below the knee cap.

1. Consider repeating 1 & 2 every 12 hours.

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<tr>
<th>1. Mobility</th>
<th>Day 1 Day 30</th>
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<table>
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<tr>
<th>2. Pain Level</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<tr>
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The Low Back (cont.)

Protocol 3:
1. Press the power button on and select mode 2. Position the Curve upside down at the level of your ankle. Choose the ankle on the side which has the most back pain.

2. Lay your ankle on the treatment surface and position/rotate your foot to get the area lateral ankle bone and Achilles tendon as close to the treatment surface as possible. You might also try lying on your side.

Protocol 4:
1. Designed to specifically for sciatica originating from inflammation of the sciatic nerve as it courses close to the surface. (note: there may be multiple other regions responsible for sciatic pain).

2. Lie on your side that does not have sciatic pain, with your knees and hip flexed.

3. Press the power button on and select mode 5. Place the Curve at the back of the thigh with the upper edge of the Curve touching the buttocks and centered over the back of the thigh.

4. Immediately repeat a Mode 5 treatment.

5. If pain persists, try treating with a Mode 2

6. Repeat the treatment sequenced in 10-12 hours.
One Year Manufacturer Warranty

Your Willow Curve is warranted to be free from defect in materials and workmanship for a period of one year from the date of purchase under normal use. This warranty extends only to the original retail purchaser and only when purchased from an authorized Willow Curve retailer. If the product should become defective within the warranty period, contact Physician's Technology, LLC. Physician's Technology, LLC, reserves the right to replace a defective product with the most comparable product currently available.

Our guarantee does not cover ordinary wear and tear, damage caused by improper use or damage caused by accidents. Examples include, but are not limited to:

- Accident, misuse, abuse, or alteration
- Servicing by unauthorized persons
- Dropping the device
- Exposure to liquids
- Extended exposure to excessive heat
- Opening or tampering with the closure system of the Willow Curve (device) or charging dock
- Use with unauthorized accessories
- Connecting to incorrect current and voltage
- Any other conditions beyond our control

Your Willow Curve is an advanced, precision medical device and should be treated with care according to the instruction manual. Failure to handle the device according to instructions may void the product's warranty and violate terms of the guarantee.

PHYSICIAN'S TECHNOLOGY SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT. ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF ORIGINAL PURCHASE.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations and exclusions may not apply to you.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna, increase the separation between the equipment and the receiver, connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.