Anodyne® Therapy
The Trusted Name in Light Therapy

Anodyne Therapy –

A New Hope for Pain and Circulatory Problems

Anodyne® Therapy
The Trusted Name in Light Therapy

Agenda

- What Causes Pain?
- How Anodyne Works
- Research
- Getting Treatment
- Home Systems

Anodyne® Therapy
The Trusted Name in Light Therapy

K.W. (Hampstead, NH)

"I use Anodyne Therapy 6-7 times a week and it has changed the pain in my feet more than tremendously! Prior to treatment, I cried everyday because the pain was so so bad. Burning - FIRE like pain, feeling like I was being sliced by a knife and more. Now there are actually times I have none of that at all. I thank God for Anodyne Therapy"

Anodyne® Therapy
The Trusted Name in Light Therapy

70 Million People Have Chronic Pain

What Can Cause It?

- **Poor circulation**
  - **Lack of oxygen and blood flow/nutrients to nerves**
- **Inflammation or swelling; muscle spasms**
  - **Pinch nerves causing pain**
- **Scar tissue from injury or surgery**
  - **Can reduce flexibility and cause tearing of surrounding tissue, which can cause pain**
- **Nerve damage from trauma or disease**

Anodyne® Therapy
The Trusted Name in Light Therapy

Conditions that can cause painful circulatory problems

- Metabolic Conditions (Diabetes, Hypothyroidism)
- Vascular disease – PVD, PAD, Intermittent Claudication
- Alcoholism
- Cancer (Chemotherapy-related)
- Drugs (Statins, antibiotics, antivirals)
- Infectious diseases - HIV/AIDS, Lyme Disease
- Anemias
- Vitamin deficiencies (B_{12}, Folate, Magnesium)
- Raynauds Syndrome/Scleroderma
- Poisoning from toxins (Lead, Mercury, Agent Orange)
- Spinal Compression/Stenosis

Anodyne® Therapy
The Trusted Name in Light Therapy

Clues that You May Have Circulation Problems

- **Burning, shooting, throbbing pain or like electrical shocks or pins and needles in feet and legs**
- **Numbness in feet, legs, hands**
- **Balance problems**
- **Sores that do not heal**
- **Discoloration or swelling**
- **Lack of foot and leg hair, toenails**
- **Night leg pain, restless leg syndrome**
- **Cold feet**

Anodyne® Therapy
The Trusted Name in Light Therapy

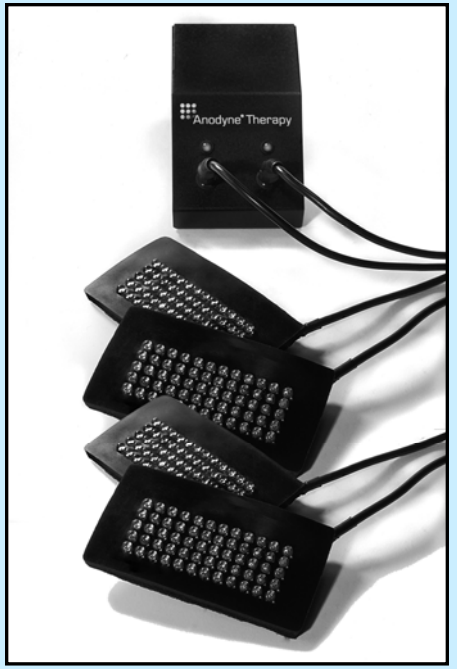
Painful Circulatory Problems are Difficult to Treat

- **Often described as burning, shooting, stabbing, like electrical shocks or pins and needles**
- **Medications**
  - **Anti-seizure medications**
  - **Antidepressants**
  - **Topical pain creams**
  - **Over the counter pain relievers**
  - **Certain vitamins**
  - **Narcotics as last resort**
- **Most drugs only deal with symptoms – not underlying problem**

Anodyne® Therapy
The Trusted Name in Light Therapy

What is Anodyne Therapy?

Professional System
Model 480

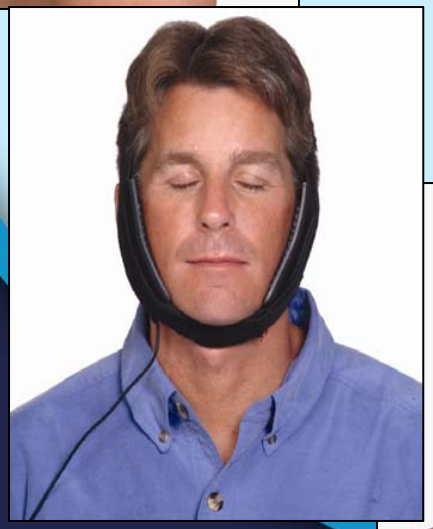


Model 120 for
Patients or Nursing
Professionals

Anodyne® Therapy

The Trusted Name in Light Therapy

Treatment can applied be anywhere you have pain



Anodyne® Therapy
The Trusted Name in Light Therapy

Anodyne Therapy is Offered at nearly 6,000 Clinical Sites

Anodyne® Therapy
The Trusted Name in Light Therapy

Navy SEALS Team 5, San Diego

Also used at Walter Reed and numerous other military bases

Anodyne® Therapy
The Trusted Name in Light Therapy

Sports Teams and Athletic Departments

- Atlanta Braves
- Milwaukee Admirals
- Baltimore Ravens
- Chicago White Sox
- Cleveland Browns
- Colorado Avalanche
- Colorado Rockies
- Detroit Red Wings
- Houston Texans
- Kansas City Chiefs
- Kansas City Royals
- Miami Dolphins
- Seattle Seahawks
- Tennessee Titans
- Toronto Blue Jays
- Central Missouri State Mules
- Oklahoma Sooners
- Oklahoma State Cowboys
- Pittsburgh State Gorillas
- Texas Longhorns
- University of Arkansas Athletics
- Washburn University Ichabods
- Washington University Bears

Anodyne® Therapy
The Trusted Name in Light Therapy

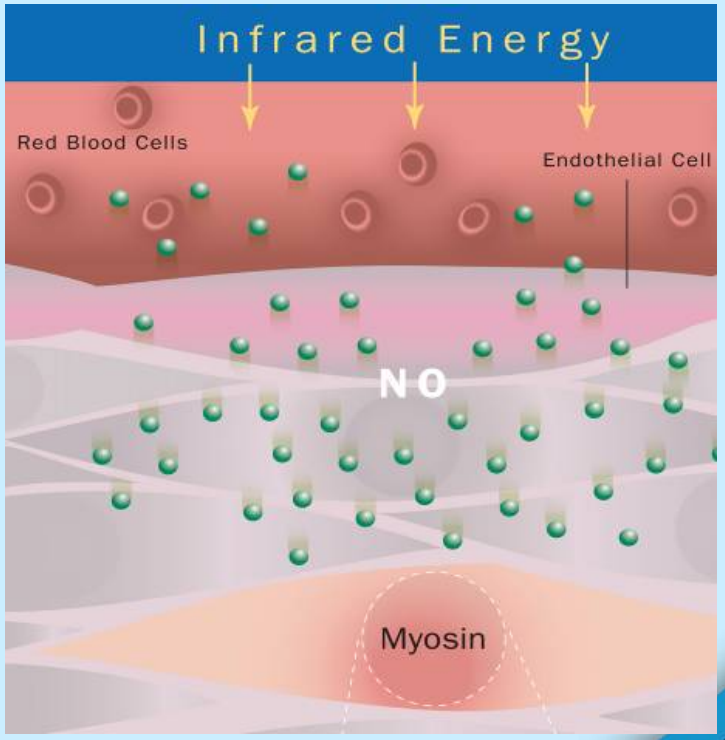
R.P. (Auburn, WA)

* **"If it weren't for your machine, I know I would be in a wheelchair. My pain has improved so much! I would love to get hold of our local TV station here because I want people to know about this and that there is help out there. Thank you so much."**

Anodyne® Therapy
The Trusted Name in Light Therapy

Infrared Light Causes Local Nitric Oxide Release From Hemoglobin

- **1998 Nobel Prize**
- **60,000 papers published on N.O. in the past 10 years**
- **NO= 1 Molecule Oxygen, 1 Molecule Nitrogen**



Anodyne® Therapy
The Trusted Name in Light Therapy

What is Nitric Oxide (NO)?

- NOT nitrous oxide (at the dentist!)
- NO is made from
  - Nitrogen (From protein)
  - Oxygen
- Nitric oxide drugs
  - Nitroglycerin (dilates blood vessels to treat angina)
  - Viagra (dilates blood vessels too!)
  - Morphine (pain-relieving effects)
- An important molecule for circulation and healing
  - Many people with chronic pain don't have enough NO

Anodyne® Therapy
The Trusted Name in Light Therapy

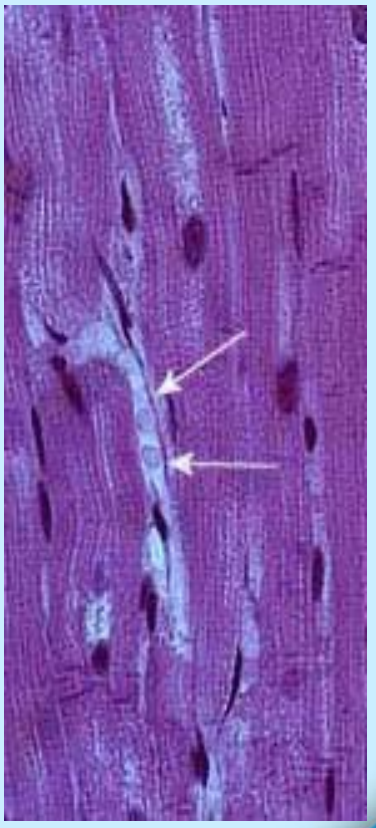
Nitric Oxide - Vascular Effects

- **Nitric Oxide increases blood flow**
  - **Dilates arteries, capillaries**
  - **Dilates veins, lymphatics**
  - **Mediator of angiogenesis and other growth factors**
  - **Reduced platelet aggregation**

Anodyne® Therapy
The Trusted Name in Light Therapy

Why is Nitric Oxide So Important?

- **Capillaries in extremities are size of a single RBC**
  - **Pre-capillary sphincters can constrict blood flow into capillaries**
- **High cholesterol and diabetes contribute to**
  - **Endothelial dysfunction**
  - **Blood vessel narrowing and reduced elasticity leading to hypertension**
- **High levels of blood glucose**
  - **Reduce availability of nitric oxide**



Red blood cells squeezing through capillary

Anodyne® Therapy
The Trusted Name in Light Therapy

Nitric Oxide – Pain Relief

- **Nitric Oxide reduces pain**
  - **Direct mediator of the analgesic effect of morphine**
  - **Indirect**
    - **Reduces hypoxia, ischemia**
    - **Delivers nutrients to nerves**
    - **Reduces inflammation, swelling impinging on nerves**

Anodyne® Therapy
The Trusted Name in Light Therapy

Conditions that can cause painful circulatory problems

- Metabolic Conditions (Diabetes, Hypothyroidism)
- Vascular disease – PVD, PAD, Intermittent Claudication
- Alcoholism
- Cancer (Chemotherapy-related)
- Drugs (Statins, antibiotics, antivirals)
- Anemias
- Vitamin deficiencies (B_{12}, Folate, Magnesium)
- Raynauds Syndrome/Scleroderma
- Poisoning from toxins (Lead, Mercury, Agent Orange)

Anodyne® Therapy
The Trusted Name in Light Therapy

Published Clinical Data

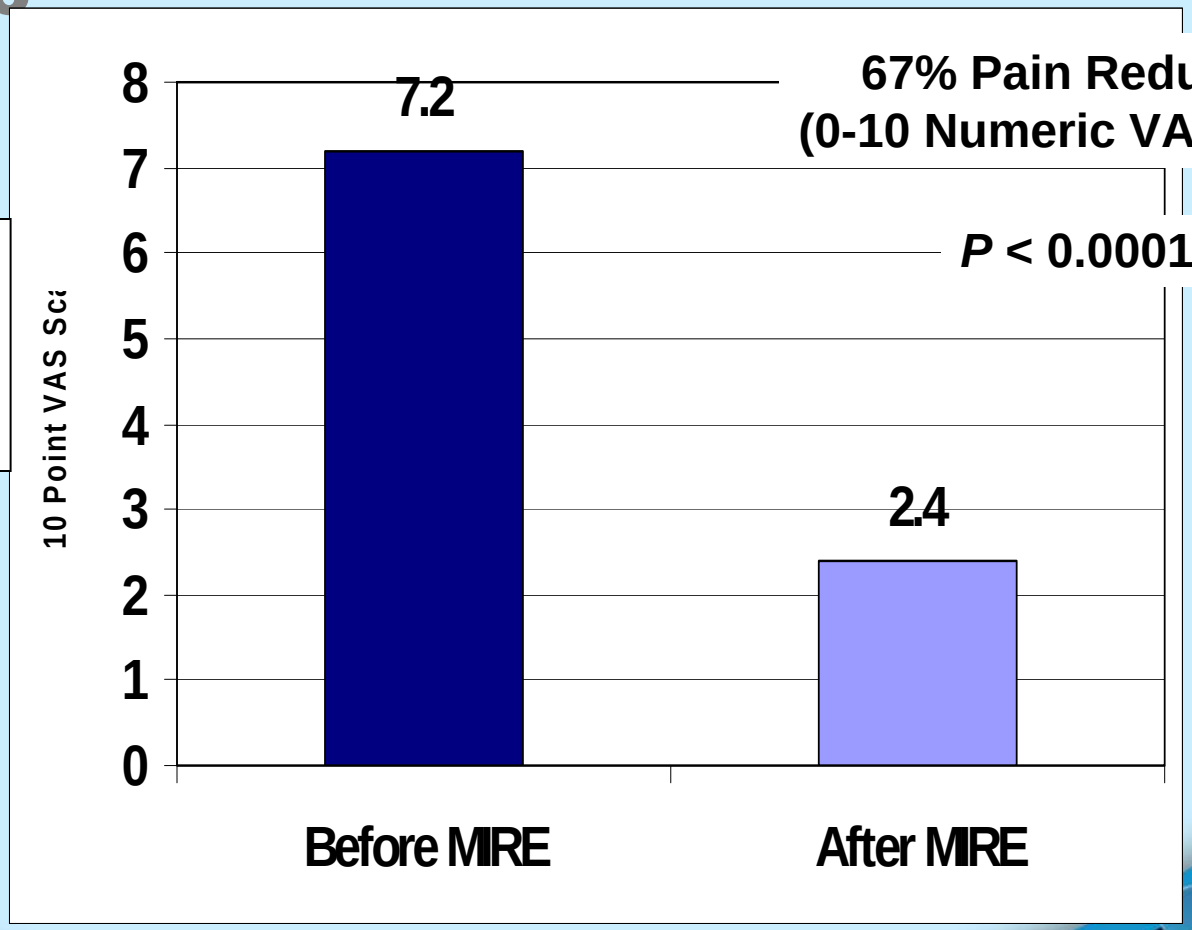
- **13 Published, peer-reviewed studies**
- **Over 4,500 subjects**

Anodyne® Therapy
The Trusted Name in Light Therapy

Journal of Diabetes and Its Complications - March 2006

N = 2239

Protocol:
- 35 minutes
- 3x per week
- Average of 5 weeks



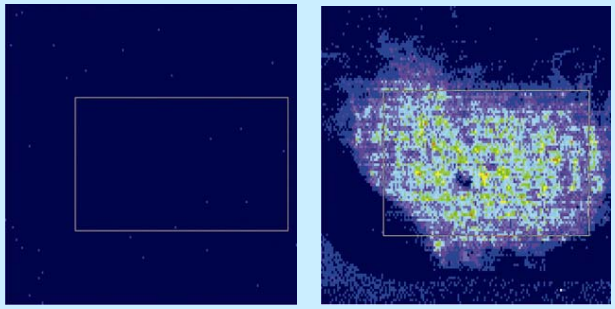
Anodyne® Therapy
The Trusted Name in Light Therapy

Up to *1300%* increase in circulation after 20 minutes treatment

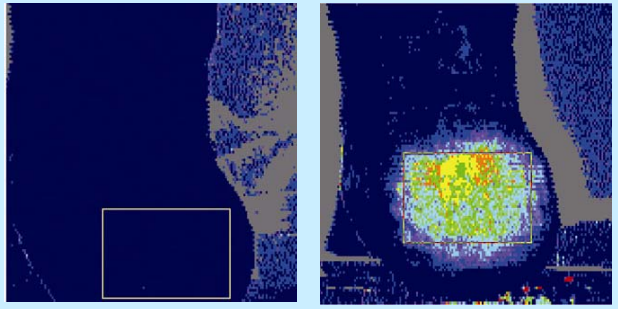
Improved Microcirculation

Scanning Laser Doppler Images

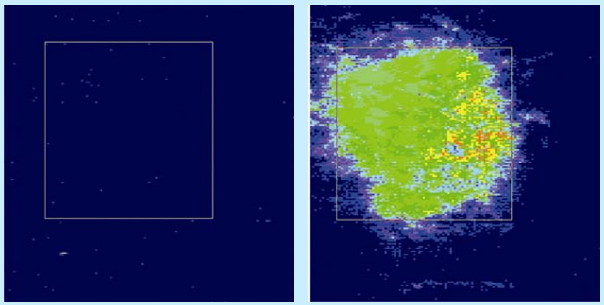
Elbow



Heel

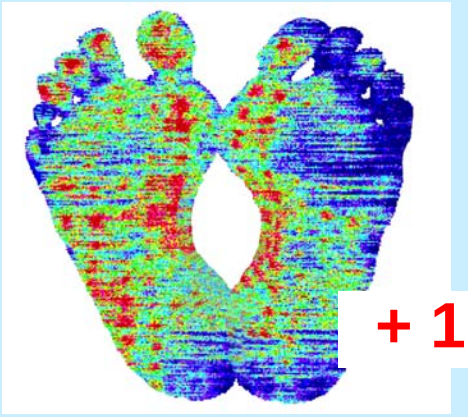
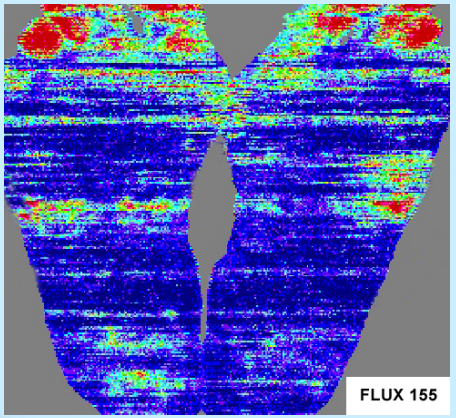
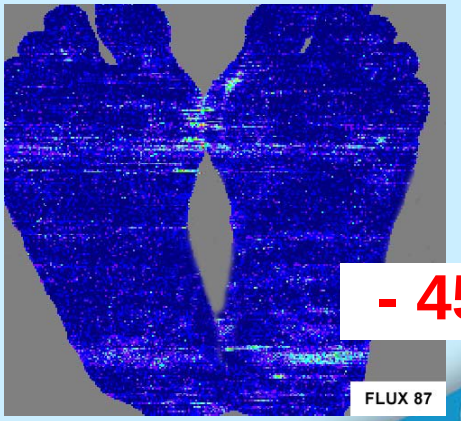


Knee



Anodyne® Therapy
The Trusted Name in Light Therapy

Anodyne vs. Heating Pad

	Pre-Scan	Post-Scan
Anodyne		 + 164%
Heating Pad		 - 45%

Anodyne® Therapy
The Trusted Name in Light Therapy

J.O (Atlanta, GA)

- **"When I discovered that Anodyne was FDA approved to improve microcirculation, I knew I had to try it. The very personable Ms. Maddy helped me order a reconditioned unit over the phone and the results have been nothing less than miraculous. The very first time I used it I experienced significant improvement. Amazing, I thought. By the third treatment, there was no doubt I was not dreaming this, and in less than a week MY FEET ARE ALMOST COMPLETELY NORMAL! I would say they are now more than 90% as I only have wisps of symptoms left and am able to stand and walk and work quite a bit throughout my entire day. To me, that is phenomenal."**

Anodyne® Therapy
The Trusted Name in Light Therapy

Duration of Effect

- **Chronic Patients:**
  - Patients with diabetes, PVD, high cholesterol or high blood pressure will require lifetime use – as theses underlying conditions cause circulation to be poor in the extremities
  - Overuse injuries will continue to re-occur unless the patient modifies their activities
- **Acute Injuries/Wounds:**
  - Typically do not require lifetime use – clinical treatments are sufficient to resolve most issues
- **Chemotherapy Patients:**
  - May require ongoing Anodyne® treatments depending on the severity of damage, and the length of condition
- **3 Anodyne Home Systems Available**

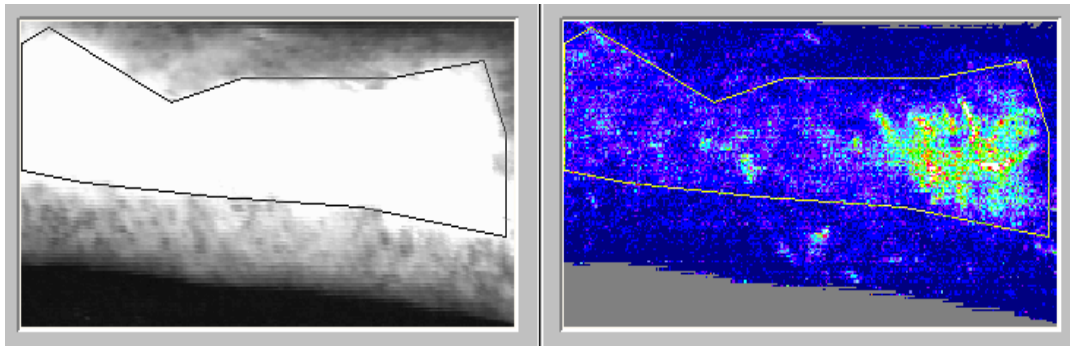
4 Year Venous Ulcer (40 Year History)

3 Year Follow-up

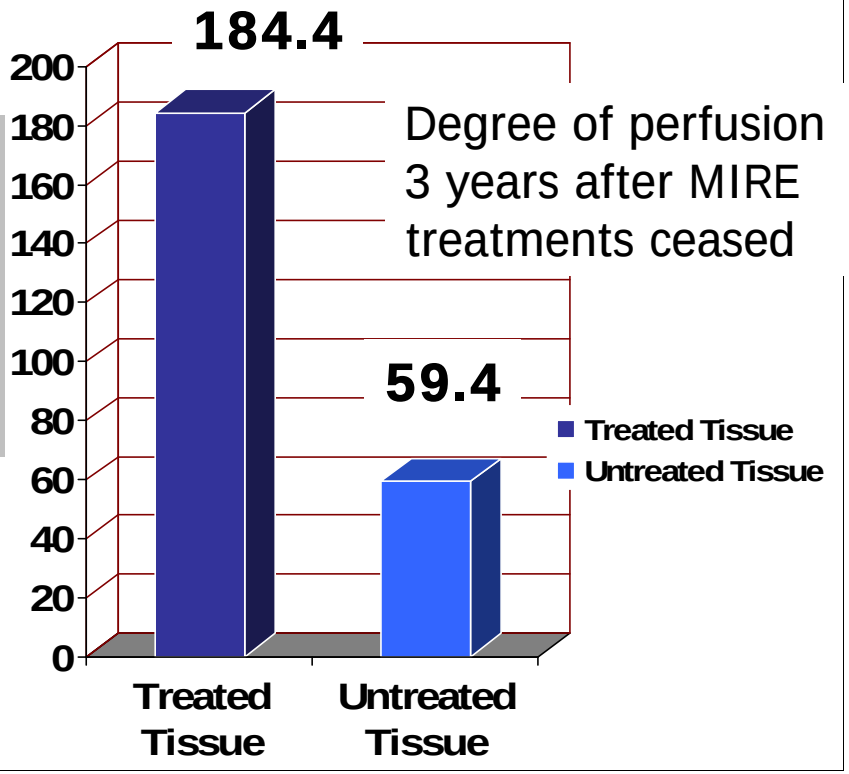
Moor Scanning Laser Doppler Perfusion

Increased Blood Flow in Treated Area

Scan at Three Year Follow-up



Treated Tissue is Outlined
(Brighter colors indicate better perfusion)



Anodyne® Therapy
The Trusted Name in Light Therapy

Note: Home systems are not covered by most major insurance companies

Anodyne® Home Systems

- **No paperwork required for Providers**
- **Referral only needed to waive tax in Florida, Michigan and Virginia**
- **Home Systems**
  - **Model 120 System – Treat pain anywhere**
  - **Freedom 300 –Treat foot and leg pain**
- **Purchase Options**
  - **VISA Health 1 Financing (0% for those that qualify)**
  - **Payment Plans**

Anodyne® Therapy
The Trusted Name in Light Therapy

Anodyne® Home Systems

- **Patient Model 120**
  - **Flexible pain relief**
  - **Same 'Therapy Pad' style as our Professional Models 480 and 120**
  - **60 diodes per Therapy Pad – 4 Therapy Pads total**
  - **Intensity is "Pre-Set" to the equivalent of '8 bars' on a Model 480**
  - **Lower Extremity Treatment System available**
  - **Pricing**
    - **New: $1395**
    - **Refurbished: $799 (subject to availability)**

Anodyne® Therapy
The Trusted Name in Light Therapy

Anodyne® Home Systems

- **Freedom 300**
  - **Freedom from foot and leg pain**
  - **300 Recessed LED's**
    - **Foot Therapy Pad: 120 Diodes**
    - **Leg Therapy Pad: 180 Diodes**
  - **Advanced Cycling Technology**
    - **30 minutes on, 20 minutes off, 30 minutes on – Auto Shut Off**
  - **Easy-to-use, Comfortable**
  - **Price – New: $597**

Anodyne® Therapy
The Trusted Name in Light Therapy

Our Treatment Program

- **Anodyne Therapy**
  - **Increasing circulation**
  - **Reducing pain, stiffness, muscle spasm**
- **Therapeutic exercise**
  - **Strengthening**
  - **Flexibility**
- **Neuromuscular re-education**
  - **Balance exercises**
- **Gait training**
  - **Proper walking techniques**
- **Other modalities and therapeutic techniques**

Protocol:
- 30 minutes
- 3x per week
- 12-24 treatments

Anodyne® Therapy
The Trusted Name in Light Therapy

What You Can Expect with Treatment

- **Patients typically feel a soothing warmth.**
- **It is not uncommon to feel results after the first session – however most report relief after 3-6.**
- ***Y*ou may feel some tingling or minor pain at first as circulation improves.**

Anodyne® Therapy
The Trusted Name in Light Therapy

Getting Treatment

- **Ask your doctor for a prescription**
- **Complete all your treatments unless your doctor or therapist advises you to stop**
- **Physical therapy is covered by most insurance plans and Medicare.**

Anodyne® Therapy
The Trusted Name in Light Therapy

A.P (Huntsville, AL)

* "I have used the treatment in my home. The pain was so intense that I was sleeping 2 or 3 hours a night. After the first treatment I noticed improvement. At present, I am quite active for an 83 year old. I am still able to live alone in my own house, drive my car and live a fairly normal life. Your therapy is very important to me, and my quality of life is greatly improved."

Anodyne® Therapy
The Trusted Name in Light Therapy

Questions?

Clinic Tel:

Clinic Website:

www.anodynetherapy.com