

TREATING
NON-HEALING WOUNDS
successfully
and without surgery

by Dr. Andrew Dickens

Healing Pathways Medical Clinic/Dayspring Cancer Clinic
Scottsdale, Arizona

Many people who develop non-healing wounds – chronic leg ulcers – are told by doctors that their condition is difficult to impossible to heal.

People learn to change their bandages regularly and hope that gangrene and amputation are not in their future.

But many of these wounds **CAN** be healed.



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Venous dysfunctions, diabetes, infections, peripheral neuropathy, pressure, and atherosclerosis are the most common reasons a person might have a chronic leg ulcer.



All these conditions cause a **decrease in circulation**. Robust circulation is necessary to get oxygen and nutrients to the wound—two requirements for healing.

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Enter... CellSonic VIPP

We can increase circulation and stimulate healing with very intense pressure pulses (VIPP).

These are acoustic waves which we hear as sound, or a “bang.” Each pulse lasts only a few nanoseconds.

The pulses create a micro injury, alerting the body to a problem which needs attention.



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The body responds by triggering biological responses that stimulate the generation of new tissue.

As intense pressure pulses race through the wound, they:

- Kill viruses, bacteria, and parasites; antibiotics generally are not required.
- Blood vessels grow into the area and thus circulation increases (as shown by trials at Tübingen University).
- Stem cells are directed to the right place.
- The inflammatory response is balanced.

With better vascularization, cells can begin to repair themselves.

“Shockwave Therapy.” Paper by Nayanah Siva, June 2016, accessed at <http://europe.medtronic.com/xd-en/transforming-healthcare/Eureka/innovation-articles/shockwave-therapy.html>

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We all have experienced similar “pressure pulses” before:

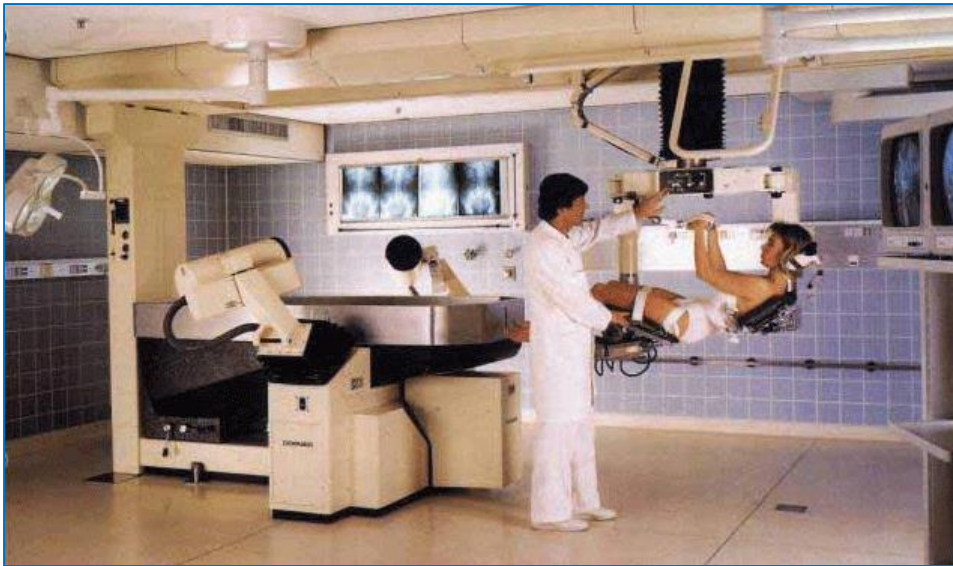
- Lightning and thunder
- Airplanes that broke the sound barrier



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In the 1980s, this power was initially used in medicine in the form of a large machine (lithotripter) that could break up kidney stones. Surgery to remove a kidney stone used to be one of the most difficult treatments to perform.



The invention of the lithotripter changed everything, and with the first ever non-invasive surgery, a new era of medicine was born.

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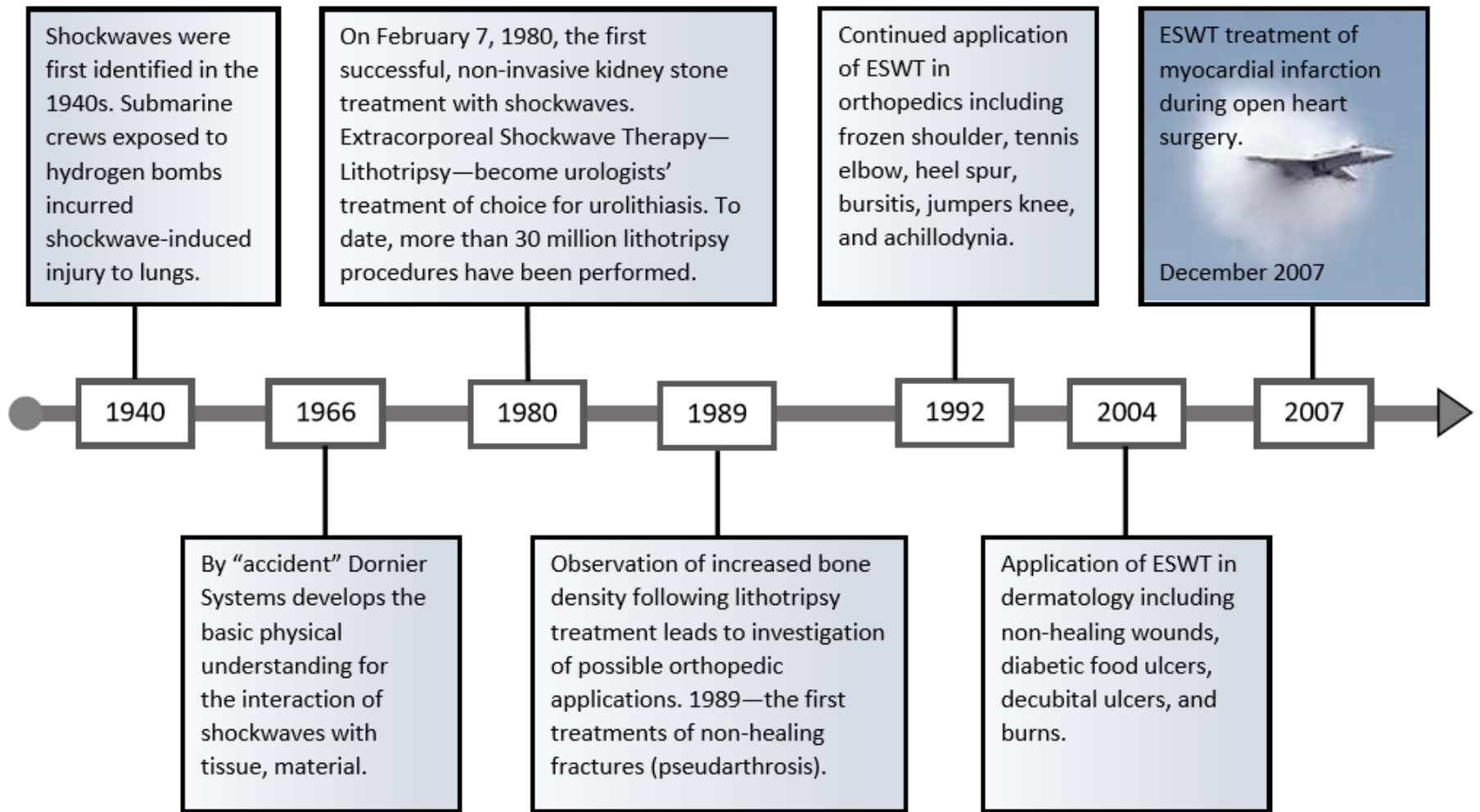
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The first pressure waves were called “Stoßwelle” which translated into English as “shockwave.” That was unfortunate because in English, the term gives the impression that an electric shock is involved when it is not, and that it is a wave which it is not.

In fact, it is an acoustic shock, and each individual event is better described as a pulse or a “bang.” Nevertheless, “shockwave” became the popular word.

As the technology evolved, smaller handheld devices came into use for wound healing, dermatology, orthopedics, and physiotherapy. It is generally called “Extracorporeal Shockwave Therapy,” or ESWT for short.

ESWT History



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In a recent German study of patients with 75 leg ulcers, doctors treated wounds with CellSonic pulses. No anesthetic was used and the treatment took a few minutes.

The treatment was well tolerated, and usually performed 4 times, once every 3-4 weeks.

How did the results turn out?

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Like this:

- 41% showed complete healing
- 16% were significantly improved
- 35% were improved
- 8% showed no change

So in total, 92% of all treated ulcers improved during ESWT.

Aschermann I, Noor S et al. Extracorporeal shock waves activate migration, proliferation and inflammatory pathways in fibroblasts and keratinocytes, and improve wound healing in an open-label, single-arm study in patients with therapy-refractory chronic leg ulcers. *Cell Physiol Biochem* 2017;41:890-906

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Complete Healing = 41%



Patients: A

B

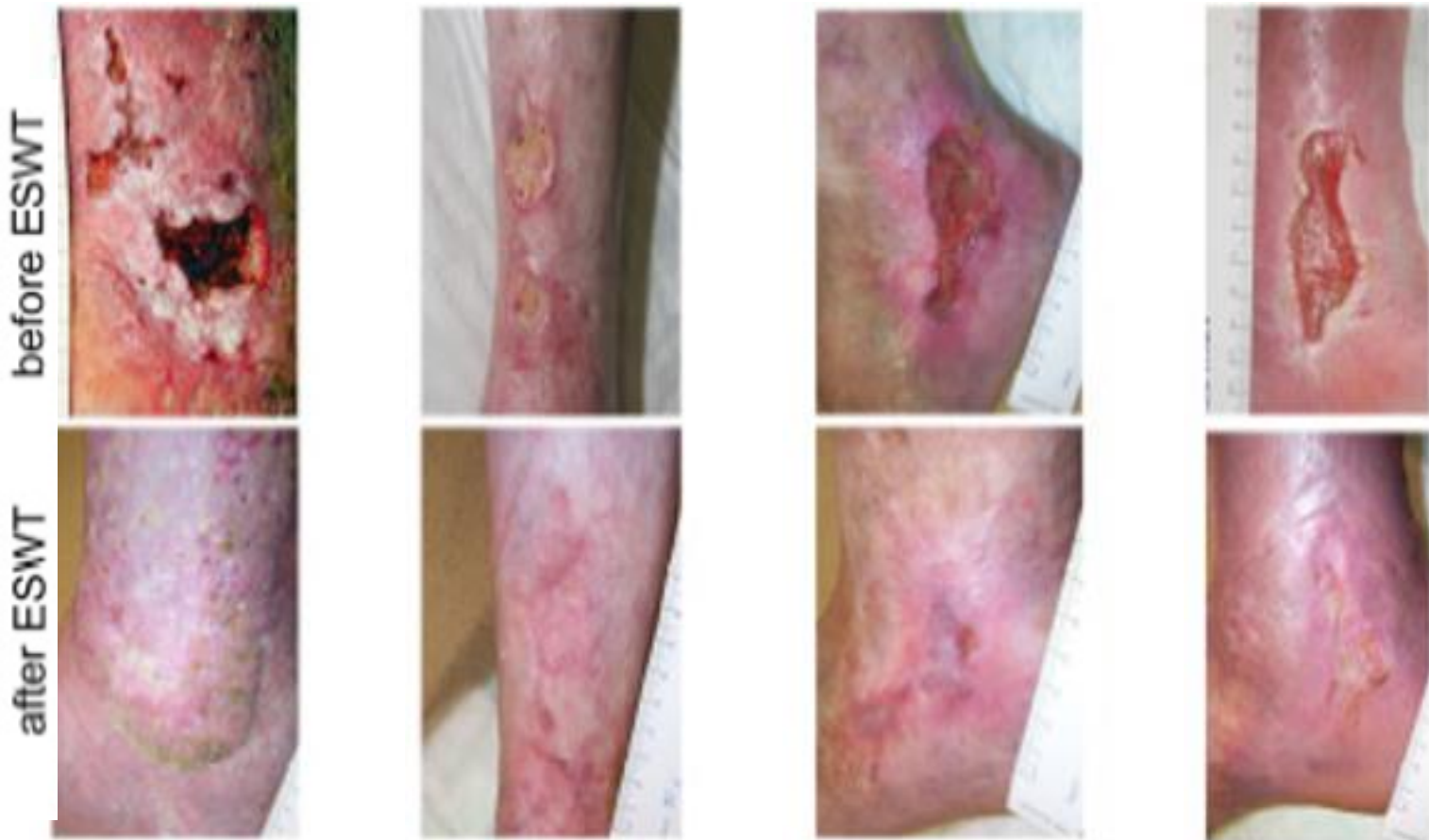
C

D

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Significant Improvement = 16%



Patients: A

B

C

D

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Improvement = 35%



Patients: A

B

C

D

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No change = 8%

before ESWT



after ESWT



Patients: A

B

C

D

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VIPP offers one of the lowest cost-of-cure to the patients.

It is non-invasive and drug-free.

The CellSonic VIPP machine carries the CE mark, a certification that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area.



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Andrew Dickens, NMD, received his bachelor's degree from Washington and Lee University in 1976 and then went on to graduate with a B.Th. from the Way College of Biblical Research. He and his wife coordinated a non-denominational Bible fellowship in San Francisco for 18 years.

During that time he saw a great need among people and subsequently graduated from the Southwest College of Naturopathic Medicine.

His training includes but has not been limited to microbiology, botanical medicine, homeopathy, nutrition, acupuncture and TCM, environmental medicine, physical medicine, pharmacotherapy, and minor surgery.



Dr. Dickens and his staff are committed to providing you the best possible outcome.

Among our services are IV treatments:

- 3-BP (Bromopyruvate)
- Vitamin C
- Salicinium
- Silver
- Myers Cocktail
- Glutathione
- Curcumin
- EDTA & DMPS
- UVBI (Ultraviolet Blood Irradiation)
- Ozone (Major Autohemotherapy)
- PolyMVA
- DMSO
- and many more

We also offer:

- Shockwave and Ultrasound Treatment
- Hydrogen (molecular)
- EWOT (exercise with oxygen therapy) – Adaptive Contrast
- Hyperthermia Therapy – Photon Genius
- EVOX (Release of trapped subconscious emotions)
- Dental Assessment – Acupuncture meridians associated with teeth
- Bemer (microcirculation – NASA approved)
- Colonics (out of clinic)
- Electro Dermal Screening (EDS)
- Dietary Counseling
- Heavy Metal Provocation Challenge
- Botanical Medicines such as Mistletoe (*Viscum Album*)
- Homeopathy
- Fresh organic green juices
- Prayer for those interested

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