



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

International website

NanoVibronix

NanoVibronix develops innovative medical devices based on its proprietary therapeutic ultrasound technology.

Our products address a range of clinical applications including catheter related injury and its complications, pain and soft tissue healing. [More »](#)

**Looking for Sales Partners
and Marketing Synergies
[Contact Us](#)**

Available for purchase by
clinics or with clinician's
prescription

Patients' Testimonials

תיוודע

מילפוטמ

News

- 7 December, 2009

Acoustic Waves Enhances Human Neutrophil Killing of Bacteria
- 20 November, 2009

Healing of Painful Tendon Tear with PainShield – Wins First Prize in Israel Rehabilitation 2009 Meeting
- 15 September, 2009

30.08.2009, עָרָא - ולשכנ מירחאש הפיא חילצה, באכב לופיטל "דלישנייפ"ה רישכמ
- 6 June, 2009

PainShield™ at Guysen TV's Special Report
- 5 June, 2009

1 עורע, הדבעמה תינוכותב דלישנייפ - Israel - Channel 1 at PainShield™
- 4 June, 2009

New NanoVibronix Device Decreases Pain and Discomfort from Nasogastric Tube Use
- 20 April, 2009

NanoVibronix Receives Wound Healing Indications in Europe for its PainShield™ Device
- 21 December, 2008

14.12.2008 מוים "תונורחא תועידי" - תנשיש נמזב
- 22 October, 2008

NanoVibronix Receives FDA Clearance for its PainShield™ MD Device

[More Testimonials >>](#) [תופסון תיודע <<](#)

Dr. Yoram Siegel, Head of Endo-urology
unit, Assaf Harofeh Medical Center, Zrifin,
ISRAEL

"I'm impressed with the dramatic effect
the device provided in enhancing
chronic patients quality of life" "

PainShield™



The PainShield™ system provides
localized therapeutic ultrasound
waves intended to resolve pain and
accelerate soft tissue healing.

[תירבעב עדימ >>](#)

UroShield™



UroShield™ is the first medical
device to address catheter related
injury in a complete way. It relieves
catheter associated pain and
discomfort, prevents biofilm and
increases antibiotic efficacy.

NG-Shield™



NG-Shield™ uniquely addresses
nasogastric tube related pain and
injury.

PainShield in the Media Channel 1 (Israel) TV

[watch video](#)

GUYSEN TV

[watch video](#)

1 ןורעב "הדבעמה" תינכות
[הייפצל](#)
מ-Guysen TV תינכות
[הייפצל](#)
"תונורחא תועידי"ב הבתכ
[הייפצל](#)



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

International website

NanoVibronix

NanoVibronix develops innovative medical devices based on its proprietary therapeutic ultrasound technology.

Our products address a range of clinical applications including catheter related injury and its complications, pain and soft tissue healing. [More »](#)

**Looking for Sales Partners
and Marketing Synergies**
[Contact Us](#)

Available for purchase by
clinics or with clinician's
prescription

Patients' Testimonials

תיוודע

מילפוטמ

News

- 7 December, 2009

Acoustic Waves Enhances Human Neutrophil Killing of Bacteria
- 20 November, 2009

Healing of Painful Tendon Tear with PainShield – Wins First Prize in Israel Rehabilitation 2009 Meeting
- 15 September, 2009

30.08.2009, עָרָא - ולשכנ מירחאש הפיא חילצה, באכב לופיטל "דלישנייפ"ה רישכמ
- 6 June, 2009

PainShield™ at Guysen TV's Special Report
- 5 June, 2009

1 עורע, הדבעמה תינוכותב דלישנייפ - Israel - Channel 1 at PainShield™
- 4 June, 2009

New NanoVibronix Device Decreases Pain and Discomfort from Nasogastric Tube Use
- 20 April, 2009

NanoVibronix Receives Wound Healing Indications in Europe for its PainShield™ Device
- 21 December, 2008

14.12.2008 מוים "תונורחא תועידי" - תנשיש נמזב
- 22 October, 2008

NanoVibronix Receives FDA Clearance for its PainShield™ MD Device

[More Testimonials >>](#) [תופסו תיודע <<](#)

SS, 65 years old female, Tel Aviv, Israel

"Using PainShield saved me from intolerable pain and regained my quality of life."

PainShield™



The PainShield™ system provides localized therapeutic ultrasound waves intended to resolve pain and accelerate soft tissue healing.

[תירבעב עדימ >>](#)

UroShield™



UroShield™ is the first medical device to address catheter related injury in a complete way. It relieves catheter associated pain and discomfort, prevents biofilm and increases antibiotic efficacy.

NG-Shield™



NG-Shield™ uniquely addresses nasogastric tube related pain and injury.

PainShield in the Media Channel 1 (Israel) TV

[watch video](#)

GUYSEN TV

[watch video](#)

1 ןורעב "הדבעמה" תינכות
[הייפצל](#)

m-Guysen TV תינכות
[הייפצל](#)

"תונורחא תועידי"ב הבתכ
[הייפצל](#)



Contact Us



Site Map

Products

Testimonials

Science & Clinical

News & Events

About Us

Contact Us

Home » Contact Us



Send to a friend



Print page

Contact Us

NanoVibronix Ltd.

9 Derch Hashalom St.

P.O.B. 515

Nesher 36651

Israel

Tel.: +972-4-8200581

Fax: +972-4-8202794

Email: info@nanovibronix.com

*Company:

*First (Given) Name:

*Last (Family) Name:

*E-mail:

*Phone:

City:

State / Province:

Zip/Postal Code:

*Country:

*Please enter the numbers

Questions Or Comments:



[Contact Us](#) [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

Site Map

[Home](#) » [Site Map](#)

[Send to a friend](#)
 [Print page](#)

Site Map

Products

- [PainShield™](#)
- [UroShield™](#)
- [NG-Shield™](#)
- [PainShield™ - דלישנייפ](#)

Testimonials

- [Physicians' Testimonials](#)
- [Patients' Testimonials](#)

Science & Clinical

- [Peer Reviewed Papers](#)
- [Abstracts and Posters Presentations](#)
- [Clinical Studies](#)
- [Case Reports](#)
- [Pre-Clinical Evaluations](#)

News & Events

- [News](#)
- [Events](#)

About Us

- [Management](#)
- [Medical Advisory Board](#)

Contact Us

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design


[Contact Us](#)
[Site Map](#)

[Products](#)
[Testimonials](#)
[Science & Clinical](#)
[News & Events](#)
[About Us](#)

Products

[Home](#) » [Products](#) » [PainShield™](#)
[PainShield™](#)
[UroShield™](#)
[NG-Shield™](#)
[PainShield™ - דלישנייפ](#)

Patients' Testimonials



מנויסיג לע מירפסמ מילפוטמ <

PainShield™

The PainShield™ system is a novel, patch based therapeutic ultrasound product. The PainShield device is a portable, battery powered electronic unit that is connected to a disposable patch through which it delivers localized energy creating therapeutic effect to treat localized pain and induce soft tissue healing. This is made possible due to the company's proprietary technology which allows for the creation of a therapeutic transducer that can be made disposable and incorporated into a patch.

PainShield™ Highlights

Targeted slow release ultrasound - The PainShield product uniquely generates and delivers localized, low frequency, low intensity therapeutic ultrasound by a self adhering patch, placed next to the treated area for a period of time.

Product usage has shown wide range of applications including reduction of acute and chronic pain as well as an anti-inflammatory effect in Trigeminal Neuralgia, Spurs heel, CTS, tendon injury etc. PainShield may be used immediately post-injury and post-op. The product is patch based and does not require for medical personnel to apply it and hold it in place while receiving therapy.

Patient benefits include its ease of application and use, faster recovery time, high compliance, safety, and effectiveness.

PainShield™ has received CE Mark and FDA clearance.

[Send to a friend](#)
[Print page](#)




See PainShield [Scientific References](#)



PainShield™ in the Media

- Patients' testimonials - [Click here](#)
- PainShield™ at Channel 1 (Israel) TV program - [Click here](#) to watch video
- PainShield™ at GUYSEN TV - [Click here](#) to watch video (French and English versions available)

Related Documents

-
-  PainShield Brochure (1.6 Mb)
-
-  PainShield - Instruction For Use (English) (198.5 Kb)
-
-  PainShield - Instruction For Use (Hebrew) (349.6 Kb)
-

Copyright © 2008 NanoVibronix. All Rights Reserved. Created by Catom web design





Testimonials

[Home](#) » [Testimonials](#) » [Physicians' Testimonials](#)

Physicians' Testimonials

Patients' Testimonials

 [Send to a friend](#)
 [Print page](#)

Physicians' Testimonials

Dr. Haim Moshe Adahan. Director of The Pain Rehabilitation Center, The Chaim Sheba Medical Center, Tel Hashomer, ISRAEL

"I have experience using the PainShield device in over 32 patients with difficult pain conditions during the past year. This device has impressed me with the consistency with which it affords significant relief to patients with difficult pain conditions from a large variety of pathologies. We have helped young athletes with painful tendon injuries and elderly patients with painful vascular wounds as well as soldiers with severe nerve injuries. The PainShield device reflects the basic science literature on Low Intensity /Low Frequency Ultrasound by its ability to not just treat pain, but also to help heal the underlying injured tissue. The device has shown itself to be well tolerated and easy to use. Most of my patients choose to wear the device overnight and receive treatment while sleeping."



Dr. Jonathan Rosenblum. Director of Diabetic Foot Service, Shaare Zedek Medical Center, Jerusalem, ISRAEL

"My experience with PainShield has shown that it is highly effective in treating painful foot disorders including heel spur syndrome, tendon disease and wound pain. I am currently performing a clinical trial evaluating the effectiveness of PainShield on patients suffering from diabetic foot ulcers and initial results are very promising. The PainShield device addresses many of the shortcomings of traditional therapeutic ultrasound and various other therapeutic modalities."

Hanania Sharon. Director of Physiotherapy Services, The Chaim Sheba Medical Center, Tel Hashomer, ISRAEL

"As the head physiotherapist of one of the top basketball teams in Israel, I'm always looking for new technologies that may help our professional athletes following injuries. When I was introduced to the PainShield device I had a couple of players with Achilles tendonitis. One had a chronic injury that did not respond to conservative treatments and limited his daily activity, while the other had an acute injury following practice, a day before the game.



Both players were treated with the PainShield device during their overnight sleep. Both reported a dramatic reduction in their pain. The player with the acute injury was able to play the day after the treatment and he continued the treatment for an additional week. The player with the chronic injury reported a significant reduction in his pain level after 4 days of treatment and after 3 weeks he was free of pain.

This was amazing!!! I have served as a physiotherapist for years and I deal a lot with professional athletes with similar injuries. It is the first time, that I observed such a dramatic improvement in a tendon injury and a reduction in pain, following a treatment with a specific modality. It is very effective, simple to use and the option of getting treatment during sleep makes it very popular in our team."

Dr. Yoram Siegel, Head of Endo-urology unit, Assaf Harofeh Medical Center, Zrifin, ISRAEL

"Following an introduction to the UroShield technology during The World Congress of Endourology and SWL, I decided to evaluate this technology. As to date, I'm impressed with the dramatic effect the device provides in enhancing chronic patients' quality of life by reducing pain, spasm and number of required catheter replacements. In addition, preliminary results in these patients suggest a lower rate of bacteriuria and related UTI. The product is simple to use and maintain. I'm convinced that the UroShield will open a new era in treating urinary catheter related symptoms."



Dr. Ofer Shenfeld. Head, Dept. of Urology, Shaare Zedek Medical Center, Jerusalem, ISRAEL

"We used the UroShield in our department and out patient clinic in patients that required an indwelling urinary catheter due to various conditions such as urological procedures and urinary retention. Patients treated with the UroShield have less catheter related pain and discomfort, require less anti-pain and anti-spasmodic medications and require less nursing attention. This results in enhanced patient comfort and lower overall costs. The product is simple to use and maintain. It is a great new tool in our arsenal to help our patients."



Prof. Sam Adler, Head of Gastroenterology Unit, Bikur Cholim Hospital, Jerusalem, ISRAEL

"Many of our patients require the insertion of a Naso - Gastric tube (NG tube) for various reasons. All of them have pain or discomfort from the indwelling NG tube. Unfortunately, there was no solution, that is, until now.

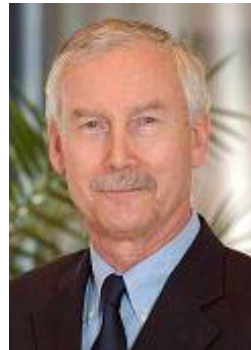
Recently I carried out a clinical study with the NG Shield in order to determine if the acoustic vibrations of the NG Shield could reduce the pain and discomfort related to NG tubes. The results showed significant reduction in these parameters.

Today, the NG Shield appears to be a very promising device that can bring relief to patients requiring NG tubes."



Prof. Uwe Iking, Medical Director, Salem Hospital, University of Heidelberg, Germany

"Catheter associated UTI`s are still one of the main challenges in hospitalized patients, adding considerably to medical costs. I was very impressed when I first heard about the UroShield technology. Our interest led to first clinical studies, with astonishing results towards biofilm prevention and UTI reduction. I am convinced that the UroShield technology is an important new tool to overcome this problem, hereby reducing significantly the costs of treatment and antibiotic resistance patterns."





[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

Science & Clinical

[Home](#) » [Science & Clinical](#) » [Pre-Clinical Evaluations](#)

Pre-Clinical Evaluations

[Case Reports](#)

[Clinical Studies](#)

[Abstracts and Posters
Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)

[Print page](#)

Pre-Clinical Evaluations



Literature Review:

ULTRASOUND FOR TREATMENT OF PAIN FROM VARIOUS SOURCES

Dr. Dagan Harris

NanoVibronix

This literature survey covers the latest information regarding ultrasound usage in pain control therapy

[Download Literature Review](#)



Literature Review:

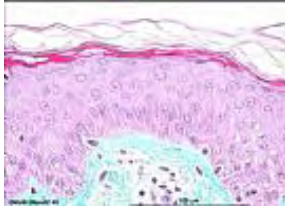
ULTRASOUND THERAPY FOR WOUND, BONE AND SOFT TISSUE HEALING

Dr. Dagan Harris

NanoVibronix

This literature survey covers the latest information regarding ultrasound utilization for wound, bone and soft tissue healing

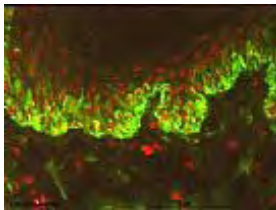
[Download Literature Review](#)



NANOVIBRONIX ULTRASOUND TECHNOLOGY ENHANCES HUMAN SKIN REGENERATION

This research explored the potential of NanoVibronix technology to enhance epidermal and dermal structures in human skin explants. The research was performed at BIO-EC laboratory, Paris, FRANCE

[Download in PDF format](#)



NANOVIBRONIX ULTRASOUND TECHNOLOGY INCREASES CYTOKERATIN 14, COLLAGEN III & GLICOSEAMINOGLYCAN (GAG) EXPRESSION IN HUMAN SKIN EXPLANTS

This research explored the potential of NanoVibronix technology to increase epidermal precursors in human skin explants. The research was performed at BIO-EC laboratory, Paris, FRANCE

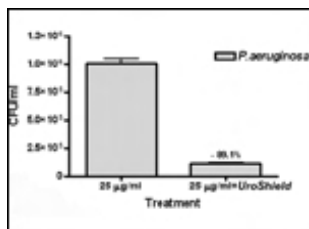
[Download in PDF format](#)



NANOVIBRONIX ULTRASOUND TECHNOLOGY INDUCES CELL MIGRATION *IN VITRO*

This research explored the potential of NanoVibronix technology to induces human keratinocytes cells migration using scratch assay. The research was performed at th university of Miami, Florida, USA

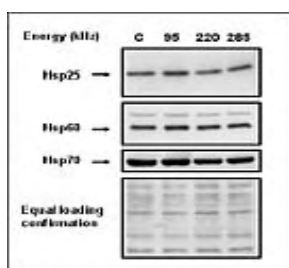
[Download in PDF format](#)



NANOVIBRONIX UROSHIELD INCREASES ANTIBIOTIC EFFICACY

This research demonstrates the potential of Nanovibronix technology to increase antibiotic efficacy. This work has been carried out in the biofilm laboratory at Bar-Ilan University, ISRAEL

[Download in PDF format](#)



NANOVIBRONIX TECHNOLOGY DOES NOT INDUCE STRESS-SPECIFIC PROTEINS IN RETINAL PIGMENTAL EPITHELIAL CELLS

This research demonstrates that nanovibronix technology does not induce increase in stress specific proteins (heat shock proteins) following prolonged exposure. The results indicate the safety of using NanoVibronix ultrasound technology

[Download in PDF format](#)



NANOVIBRONIX NG SHIELD CREATES ACOUSTIC LUBRICATION

This *in vitro* research demonstrates the ability of the NG Shield device to create acoustic lubrication on NG tube in order to reduce friction between the tube and its surrounding. The research was performed at Harland laboratory, Minnesota, USA

[Download in PDF format](#)



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

[News](#)

[Events](#)

[Send to a friend](#)
[Print page](#)

News



Acoustic Waves Enhances Human Neutrophil Killing of Bacteria

7 December, 2009

Acoustic Waves Enhances Human Neutrophil Killing of Bacteria -
John D. Loike, Department of Physiology and Cellular Biophysics,
Columbia University, NY

[More »](#)



Healing of Painful Tendon Tear with PainShield – Wins First Prize in Israel Rehabilitation 2009 Meeting

20 November, 2009

Healing of Painful Tendon Tear with PainShield – by Dr. Adahan wins
posters first prize in Israel Rehabilitation 2009 Meeting

[More »](#)



ץרָאָה - ולשכנ מירחאש הפיא חילצה, באכב לופיטל "דלישנייפ"ה רישכמ

30.08.2009

15 September, 2009

תומוקמב עייסל חילצה, לוק ילג תועצמאב באכב לופיטל שדח ילארשי רזיבא

ולשכנ תורחא מיכרדש

אריפש ןר תאמ

[More »](#)



PainShield™ at Guysen TV's Special Report

6 June, 2009

Dr. Haim Adahan, Head of Pain Rehabilitation Center at Sheba Medical Center (Tel-Hashomer, Israel) reports his experience using PainShield™

to help his patients.

[More »](#)



PainShield™ at Channel 1 - Israel - דלישנייפ תינכותב דלישנייפ - ןורע, הדבעמה

5 June, 2009

NanoVibronix presents PainShield™ portable therapeutic ultrasound device in a scientific & medical TV program. Click "more" to watch the video.

[More »](#)



New NanoVibronix Device Decreases Pain and Discomfort from Nasogastric Tube Use

4 June, 2009

Data presented at the DDW meeting shows that NG-Shield™ Generates Surface Acoustic Vibrations That Decrease NG Tube Friction On Tissue.

[More »](#)



NanoVibronix Receives Wound Healing Indications in Europe for its PainShield™ Device

20 April, 2009

NanoVibronix announced that its novel device has received CE approval in Europe for additional claims of wound and fast tissue healing.

[More »](#)



14.12.2008 סוימ "תונורחא תועידי" - תנשיש נמזב

21 December, 2008

דנאסרטלוא תייגולונכטב ולפוט, סליכא דיגב תועיצפמ ולבסש לסרודכ ינקחש
תינשדח
קחשל ורזחו

[More »](#)



NanoVibronix Receives FDA Clearance for its PainShield™ MD Device

22 October, 2008

NanoVibronix announced that the US Food and Drug Administration (FDA) has granted 510K clearance to market PainShield™ MD, a diathermy device used to treat pain. PainShield is the first hands-free, patch-based device, thus allowing for an entirely new dimension in ultrasound treatment of pain and soft tissue healing.

[More »](#)



 [Contact Us](#)  [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)



About Us



[Home](#) » [About Us](#)

[Management](#)

[Medical Advisory Board](#)

 [Send to a friend](#)
 [Print page](#)

About Us

COMPANY PROFILE

NanoVibronix Inc. is a medical device company that is focused on creating medical products utilizing its proprietary low intensity acoustic technology.

The company's patented technology allows for creation of a miniature transducers that transmit low-frequency, low-intensity ultrasound through flexible materials surfaces. This unique development may be utilized for a variety of additional medical applications requiring low cost therapeutic ultrasound qualities.

The company's PainShield™ MD product has gained CE Mark certification and FDA clearance while the UroShield™ is currently CE mark certified.

NanoVibronix Inc. is located in Long Island, NY. Its subsidiary, NanoVibronix Ltd. is located in Nesher, Israel.

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design



Contact Us



Site Map

Products

Testimonials

Science & Clinical

News & Events

About Us

Testimonials

Home » Testimonials » Patients' Testimonials

Physicians' Testimonials

Patients' Testimonials

Patients' Testimonials

PainShield helps Trigeminal Neuralgia patient relieve pain and cut on medications - 1

PainShield Therapy



More information on
Therapeutic Ultrasound



Send to a friend



Print page

ED, 61 years old female, Borås, Sweden

"Since 1995 I am suffering from **Trigeminal Neuralgia** as a complication from my Multiple Sclerosis. At first the pain was pretty much constant with only short pain free periods. During the years, the pain level and duration kept on increasing till it became intolerable and painkiller medications didn't help anymore. In 1999 I had a "blockade surgery", which was repeated 4 months later and again went through a big neurosurgical intervention in 2001.

Since then the Trigeminal Neuralgia had been more or less under control, with the exception of a yearly setback during springtime. However, in March 2009, the pain returned and remained constant. I was treated with morpheme injections and the doctors wanted to hospitalize me, again.

I had no life; my feeling was that all roads were closed: I could not speak, could not go out, and could not relax. I was just sitting in my wheelchair screaming. I felt getting drugged down by all the medications and injections and saw no end to it.

In just about then, I came in contact with Dr. Haim Adahan that following telemedicine consultation, he introduced me with the Painshield. I use Painshield every night for 8 hours while I'm sleeping. The patch is plastered to the right side of my forehead and secured with a bandage around the skull. I don't have any feeling of the ultrasound functioning of the instrument, just the positive effects afterwards.

Since starting using the instrument, the pain levels have gradually diminished, by jumping down in steps both in intensity and in duration of the pain. I gradually stopped using the morpheme injections.

Today, about 5 weeks since I started using Painshield, I can say that I am as good as pain free."

SS, 65 years old female, Tel Aviv, Israel

"In 1995 I started suffering from intense facial pain that was diagnosed as **Trigeminal Neuralgia**. I was treated for 13 years with various pain medications that helped me cope with the pain. In June 2008, I experienced a severe worsening of my symptoms requiring facial steroid injections at the Tel Hashomer pain clinic. A year later, I experienced a reoccurrence of the extreme facial pains and this time was referred to Dr. Adahan at pain rehabilitation clinic at Tel Hashomer. Dr. Adahan introduced me to the PainShield device and I started with local ultrasound treatment eight hours every night. After four nights I already experienced significant reduction in the volume of pain. Ongoing treatment provided additional relief in the intensity of my pains along with reduction in the number of pain attacks per day to a minimal occurrences without any side effects.

Using PainShield saved me from intolerable pain and regained my quality of life. I still use it every night and I am very, very thankful for this incredible innovation."

Trigeminal Neuralgia patient becomes pain free using PainShield - 2

SS, 30 years old female, Canada

"I want to shout from the rooftops to everyone who has suffered from **Trigeminal Neuralgia** about the PainShield. I was recently diagnosed with trigeminal neuralgia--a sharp, shooting electrical pain on the side of my face. The pain felt similar to being tortured alternatively with an electric wire and cut with a sharp knife. I was put on anti seizure medication--but as is typical of the condition I didn't get much relief and continued to have excruciating and seriously debilitating pain.

Thankfully, I learned about the PainShield online and contacted Dr. Adahan who had a series of teleconsults with me and determined that I would be a good candidate for the PainShield. Since my very FIRST use with the device, both the intensity and frequency of my pain declined dramatically! I was stunned by the device efficacy!

I cannot begin to tell fellow-sufferers what a blessing this has been. I cannot recommend it enough!"

Trigeminal Neuralgia patient gets relieve for his pain- 3

RR, 50 years old female, Haifa, ISRAEL

"I like sports and I'm traveling a lot. Recently I had **reoccurring pain in my shoulder**. My physician said it is due to calcification process at the joint. It caused an inflammatory response and I had to take antibiotics and pain killers.

During a recent trip I fell on the shoulder and the pain just increased from that point in time.. I was limited in my daily activity; I couldn't sleep well, I had difficulties in using my arm, and when I spoke to people with similar trauma I understood that the recovery may take a couple of months. I was referred to physiotherapy however I was told that the first treatment will be in 6 weeks due to a long queue.

I talked with the physician and we decided to try the PainShield. Within 2 days I felt a relief in my pain and it is getting better with each day. I wear it under my shirt and activate it whenever I need or when I have the time. It might be funny but I think that I'll be free of pain until my scheduled physiotherapy session."

RT, 49 years old female, Bnei-Brak, ISRAEL

"I underwent open heart surgery a few months ago. When I woke up I immediately felt **extreme pain from the sternum area**. I knew that this is part of the post-surgical symptoms, but I could barely stand the pain and the medications I took helped only partially.

I was offered the use of the PainShield in order to reduce the pain. I started using the device 6 days after the surgery. I used it for 30min approx. 6 times a day (a total of 3 hours per day). After 24h I noticed that the level of pain was significantly lower than I had during the previous days. I kept using it for 4-5 weeks and it helped to reduce most of the pain during the daily use. However I still had pain during the evenings and the

nights when I was not able to use the device. After consulting with my physician, we decided to replace the treatment with night therapy. So I started using the PainShield overnight (8 hours treatment session while sleeping). From that point on, I was almost pain free and I feel it helped me to recover faster. I stopped treatment with PainShield after 8-9 weeks as the pain disappeared.

The PainShield helped "save me" from pain and agony following the surgery. The surgery I had, is a painful operation and the chest pain during recovery is an additional burden for the patient. Fortunately, I escaped most of this thanks to the PainShield treatment."

RA, a 56 years old nurse and pianist, Petach-Tikva, ISRAEL

"A year and a half ago I suffered from **pain in the elbow area** in both arms. I was diagnosed to have Tennis Elbow syndrome. With time the pain increased and become unbearable, it limited my daily activities and I wasn't able to drive, perform home tasks, carry a purse and even write. Of course I stopped playing the piano which was a major part of my life.

Conventional treatments such as medications and physiotherapy did not help and I refused getting steroid shots or consider surgery. My quality of life decrease significantly, I suffered at work and in the many other areas I was active at and become dependent on others.

Coincidentally, I approached Dr. Adahan who started that time evaluating the PainShield device. I started using this new portable ultrasound and after couple of weeks I started feeling some relief. Important to mention that I started with level 10 on the VAS pain scale and within a few months I reached level 0 in VAS scale which allowed me to return to full activity including playing the piano. I thank you all for that."



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

[News](#)

[Events](#)

[Send to a friend](#)

[Print page](#)

Acoustic Waves Enhances Human Neutrophil Killing of Bacteria

7 December, 2009

[Click here to download poster >>](#)

[View more posters at: Abstracts and Posters Presentations >>](#)





[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

[News](#)

[Events](#)

[Send to a friend](#)
[Print page](#)

Healing of Painful Tendon Tear with PainShield – Wins First Prize in Israel Rehabilitation 2009 Meeting



20 November, 2009

[Click here to download poster >>](#)

[View more posters at: Abstracts and Posters Presentations >>](#)



[Contact Us](#) [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

[News](#)

[Events](#)

[Send to a friend](#)

[Print page](#)

הפיא חילצה, באכב לופיטל "דלישנייפ"ה רישכמ 30.08.2009, ץראה - ולשכנ מירחאש



15 September, 2009

מיכרדש תומוקמב עייסל חילצה, לוק ילג תועצמאב באכב לופיטל שדח ילארשי רזיבא
ולשכנ תורחא

אריפש ןר תאמ

>> "ץראה" רתאב האלמה העידיה תאירקל ןאכ וצחל



News & Events

[Home](#) » [News & Events](#) » [News](#)

News

Events

[Send to a friend](#)
 [Print page](#)

PainShield™ at Guysen TV's Special Report



6 June, 2009

Dr. Haim Adahan, Head of Pain Rehabilitation Center at Sheba Medical Center (Tel-Hashomer, Israel) reports his experience using PainShield™ to help his patients.

Watch the video in the original **French** version (Hebrew subtitles) or with **English** dubbing.

PainShield™ at GUYSEN TV (French + תירבעב תויבותכ)

PainShield™ at GUYSEN TV (English dubbing)

If you can't see this video, [click here](#) >>

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design



[Contact Us](#) [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

[News](#)

[Events](#)

[Send to a friend](#)
[Print page](#)

דלישנייפ - Israel - PainShield™ at Channel 1 - הדבעמה תינכותב 1



5 June, 2009

NanoVibronix presents PainShield™ portable therapeutic ultrasound device in a scientific & medical TV program.

Watch the video below.

PainShield™ at The Lab - Scientific & Medical TV program



Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design

News & Events

[Home](#) » [News & Events](#) » [News](#)

News

Events

 [Send to a friend](#)
 [Print page](#)

New NanoVibronix Device Decreases Pain and Discomfort from Nasogastric Tube Use



4 June, 2009

NG-Shield™ Generates Surface Acoustic Vibrations That Decrease NG Tube Friction On Tissue

New Study Presented At DDW 2009

CHICAGO, June 2, 2009 (GLOBE NEWSWIRE) -- Data show a new device helps mitigate the pain and discomfort associated with nasogastric (NG) tubes which are used to decompress the upper gastrointestinal tract as well to administer nutrients and medications directly into the stomachs of approximately 50 million hospitalized patients worldwide each year¹. The data were presented here today during an American Gastroenterology Association (AGA) Institute Clinical Practice Distinguished Abstract Plenary Session at Digestive Disease Week® (DDW) 2009 at McCormick Place.

Developed and marketed by NanoVibronix Inc., the NG-Shield generates surface acoustic vibrations that decrease the friction of an NG tube on the nasal and pharyngeal tissues of the patient.

"Data clearly show that NG-Shield reduced NG-tube-related pain and discomfort by a clinically significant degree," explained study investigator Professor Samuel Adler, M.D. head of Gastroenterology at Bikur Cholim Hospital in Jerusalem. "As physicians, we must be mindful of patient comfort and work with our staffs to make their experience in the hospital as pleasant as possible without inflicting additional pain. A technology like NG-Shield offers a great benefit to patients who require an indwelling NG tube."

In the study, "Evaluation of Safety and Efficacy of a New Device Intended to Decrease Pain and Discomfort Associated with NG Tube Use," (Abstract #832), Dr. Adler turned the NG-Shield off and on during set time periods as the tube was inserted, maintained and removed from 24 healthy volunteers. The subjects ranked nasal and pharyngeal pain and discomfort on a scale from one to ten.

The data demonstrated that NG-Shield reduced both nasal and pharyngeal discomfort levels significantly during the time periods when the tube was fixed within the patient. No difference was seen in the passage or removal phases.

The study also concluded that NG-Shield possibly could be utilized to treat or reduce NG tube related injury. Further trials are planned to investigate its efficacy in preventing NG tube related sinusitis, nasal and pharyngeal trauma.

A recent patient perception survey of hospital care underscored the need for better pain management in U.S. hospitals; almost one-third of patients gave hospitals poor ratings on pain control².

More About NG-Shield

NG-Shield is composed of the NG-Shield device and a disposable clip-on accessory that may be placed on the external portion of any Nasogastric tube, providing pain relief and turning the catheter into an active therapeutic device. The clip-on accessory is connected to a reusable electronic unit that houses electronics and a rechargeable battery. For more information on NG-Shield, please visit [NG-Shield Data](#).

About NanoVibronix

NanoVibronix Inc., located in Farmingdale, Long Island, develops products that utilize its proprietary therapeutic ultrasound technology. The company has developed a unique line of catheter based disposable ultrasound devices designed to treat catheter associated injury including pain, discomfort and biofilm formation. The first two products in this category are the UroShield™ for in-dwelling urinary catheters and NG-Shield™ for in-dwelling nasogastric tubes.

About Digestive Disease Week

DDW is the largest international gathering of physicians, researchers and academics in the fields of gastroenterology, hepatology, endoscopy and gastrointestinal surgery. Jointly sponsored by the American Association for the Study of Liver Diseases, the American Gastroenterological Association (AGA) Institute, the American Society for Gastrointestinal Endoscopy and the Society for Surgery of the Alimentary Tract, DDW takes place May 30 - June 4, 2009, at the McCormick Place, Chicago, IL. The meeting showcases approximately 5,000 abstracts and hundreds of lectures on the latest advances in GI research, medicine and technology. For more information, visit <http://www.ddw.org>.

[1] Centers for Disease Control and Prevention, National Center for Health Statistics. National Hospital Discharge Survey: 2005 Annual Summary with Detailed Diagnosis and Procedure Data. Table 4: Number of all-listed procedures for discharges from short-stay hospitals, by ICD-9-CM code, sex, age, and geographic region. United States, 2005. Series 13, Number 165: Page 191.

[2] Jha AK, Orav EJ, Zheng J, Epstein AM. Patients' Perception of Hospital Care in the United States. N Engl J Med 2008; 359(18):1921-1931.



Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design

News & Events

[Home](#) » [News & Events](#) » [News](#)

News

Events

 [Send to a friend](#)
 [Print page](#)

NanoVibronix Receives Wound Healing Indications in Europe for its PainShield™ Device



20 April, 2009

Portable solution for wound healing using low frequency, low intensity ultrasound

Nesher, Israel, NanoVibronix, a medical device company specializing in applications that implement surface ultrasound waves, announced that its novel device has received CE approval in Europe for additional claims of wound healing. PainShield is the first hands-free, patch-based device that uses surface ultrasound waves for therapeutic treatment of wounds. The innovative PainShield consists of a disposable patch connected to a portable driver. PainShield for wound therapy will be introduced at the upcoming European Wound Management Association (EWMA) conference in Helsinki, Finland on May 20 - 22, 2009.

"My experience with PainShield has shown that it is one of the most striking therapeutic modalities in chronic wound care. PainShield implements the benefits of ultrasound to enhance the therapeutic processes required for chronic wound healing, and has shown to do that repeatedly both in the clinical and home setting. ", stated **Dr. Jonathan Rosenblum, Director, Diabetic Foot Service, Shaare Zedek Medical Center, Jerusalem, Israel**. Dr. Rosenblum will be presenting his experience with PainShield for chronic wounds at the International Conference of Dermatology (ICD), Prague, Czech Republic on May 20 - 24, 2009.

Dr. Leon Gilad, Chief of Wound Care at Hadassah University Medical Center, Jerusalem, Israel, said, "The beneficial properties of low frequency, low intensity ultrasound in a compact, convenient patch allows for a whole new dimension in wound

therapy. The ability to place the PainShield patch on healthy skin adjacent to the wound allows the ongoing wound care to continue uninterrupted, while therapeutic ultrasound is provided simultaneously to the wound site. In addition to the wound healing benefits of the PainShield, we have seen a dramatic diminishing of wound pain when pain was present."

NanoVibronix CEO, Dr. Harold Jacob, added, "PainShield, which implements our unique low frequency ultrasound platform, has been shown in a number of independent studies to have powerful tissue regenerative properties. NanoVibronix has created a platform that allows physicians to easily apply therapeutic ultrasound to assist in wound healing without interfering with any of the other modalities that are being utilized. Our simple-to-use, portable patch-based device can treat wounds in the hospital or at home, allowing patients to continue with their daily activities."

About the Company

NanoVibronix, located in Nesher Israel, develops medical devices that implement its proprietary therapeutic ultrasound technology. The innovative portable PainShield device for treatment of pain gained FDA clearance in October 2008. The Company is planning to launch the product in the USA during the second half of 2009. The company has also developed a unique line of catheter-based disposable ultrasound devices designed to treat catheter associated injury including pain, discomfort and biofilm formation. The first two products in this family are the UroShield™ for indwelling urinary catheters and the NG-Shield™ for indwelling Nasogastric tubes.

info@nanovibronix.com



News & Events

Home » News & Events » News

News

Events

[Send to a friend](#)
[Print page](#)

14.12.2008 סוימ "תנורחא תועידי" - תנשיש נמזב



21 December, 2008

סהילגרבי סיבאכמ ולבס, סילשורי לעופה לסרודכה תצובק ינקחש, וןשש וורשו דינס רמוע יאופרה זכרמב תלעפוממש, השדח הטיש • ורזע אל סיליגרה סילופיטה לכו, תועיצפ תובקעב הריזחה, הלילה תועשב תיבב ליעפמ הלוחהש דנואסרטלוא רישכמ לע תססובמו אביש שרגמל סתוא

וקרב סענ





חזר לשחק. עומר סניד צילום: חיים צח

אולטרסאונד בעוצמה נמוכה גם לאיחוי שברים

טכנולוגיית האולטרסאונד בעוצמה נמוכה יכולה לסייע גם לזרז איחוי שברים. במקרים רבים שברים בעצמות הגפיים לא מצליחים להתאחות בגלל אספקת דם פחותה הנובעת ממבנה אנטומי. בחלק מהמקרים השברים לא מתאחים מכיוון שמדובר בשבר פתוח או בסיבוכן שלאחר ניתוח.

כיום קיים מכשור לטיפול באולטרסאונד בעוצמה נמוכה לאיחוי שברים בכל קופות החולים, ובמכשירי שירותי בריאות הטיפול אף כלול בסל. גלי הקול מסייעים ליצירת כלי דם חדשים ויכולים לזרז ריפוי שבר טרי או איחוי שברים שלא נרפאו.

המכשיר עצמו קטן – בגודל של קר פסת סיגריות – והחולה לוקח אותו עימו הביתה. הטכנולוגיה מאפשרת טיפול בשברים בגפיים, אך לא בעמוד השדרה ובגולגולת. הריפוי מתאפשר גם זמן רב לאחר שהשבר נגרם ולא התאחה, ואחרי יי ההצלחה מגיעים עד לכ-80%.



מכשיר PainShield צילום: סמיון אלון

עומר סניד ושרון ששון, שחקני קבוצת הכדורסל הפועל ירושלים, סבלו מכאבים ברגליהם בעקבות פציעות, וכל הטיפולים הרגילים לא עזרו • שיטה חדשה, שמופעלת במרכז הרפואי שיבא ומבוססת על מכשיר אולטרסאונד שהחולה מפעיל בבית בשעות הלילה, החזירה אותם למגרש > נעם ברקן

הטיפול, אני דורך על הרגל בקלות. זה כמו קסם, אני לא מרגיש שום כאב. כמוכן שאני עדיין נוהר שלא לאמץ את הרגל יתר על המידה במהלך המשחק, אבל חזרתי להתאמן ולשחק כמו בעבר". ואכן, בתחילת השבוע שעבר הוביל סניד את קבוצתו לניצחון במשחק מול קבוצת גלבוע-גליל.

אחרי ארבעה ימים הכאב נעלם

PainShield אושר לשימוש על ידי משרד הבריאות ועל ידי ארגון המזון והתרופות האמריקאי, FDA. במהלך השנה האחרונה צבר ד"ר אדאנה ניסיון רב בשימוש בטכנולוגיה החדשה לריפוי חבלות בגידים, עצמות, עצבים ופצעים כואבים.

"המכשיר מורכב משני חלקים: 'דרייבר' – קופסה אלקטרונית שמפעילה את הגלים הנדרשים, ו'מרבקת טיפול' – אלקטרויד דה שמחוברת לקופסה מצד אחד ומתחברת באמצעות מרבקה לאזור הכואב של החולה", מסביר ד"ר אדאנה. "גלי הקול שעוברים מה קופסה למרבקה מעבירים רטט שמגיע לעומק של כ-20 סנטימטרים מתחת לפני העור. ניתן להשתמש במכשיר עשר שעות ברציפות.

"במקרה של סניד, השחקן סבל מכאבים עזים ברגלו השמאלית ובעקבותיהם נאלץ להפסיק לשחק למשך חודשים, כדי לאפשר לרגלו לנחות. אך גם לאחר חודשים מגווח, הוא עדיין לא חזר לתפקוד מלא. ארבעה ימים לאחר שהחל בטיפול ב-PainShield הוא התקשר לפיזיותרפיסט שלו וסיפר לו בהתרגשות על השיפור במצבו. שלושה שבועות אחרי תחילת הטיפול דיווח השחקן על היעלמות

במשך חמישה חודשים סבל עומר סניד, שחקן הכדורסל של הפועל ירושלים, מכאבי תופת ברגלו בעקבות פגיעה קשה בגיד אכילס. הוא ניסה כל טיפול אפשרי, כולל טיפולי פיזיותרפיה ועיסויים, אך דבר לא עזר. הוא אמנם המשיך לשחק, אך הכאבים היו בלתי נסבלים והוא הרגיש שתפקודו נפגע.

ואז הציע לו חנניה שרון, מנהל מערך הפיזיותרפיה במרכז הרפואי שיבא והפיזיותרפיסט של הקבוצה, לעבור טיפול אולטרסאונד חדשני לטיפול בכאב. סניד, בן ה-32, הסכים מיד. יחד עם שרון הוא הגיע לד"ר חיים משה אדאנה, מומחה לרפואת ספורט, כאב ושיקום מקנדה, שהקים לאחרונה יחידה לשיקום כאב בשיבא והביא לארץ את טכנולוגיית האולטרסאונד החדשה לטיפול בכאב. המכשיר החדש, שנקרא PainShield, מאפשר טיפול באנרגיה נמוכה באמצעות מד בקות תרופעמיות שממוקמות באזור הפגוע ומאפשרות טיפול תוך כדי שינה. המכשיר משגר לאזור הפגוע גלי קול בתדר נמוך באינטרדולים של 20 דקות, אחריהן יש 20 דקות של הפוגה, וכך שוב ושוב לאורך כל שעות השינה.


שבועיים לאחר שהחל סניד לטפל ברגלו באמצעות המכשיר החדש, נעלמו הכאבים. "לפני שהתחלתי להשתמש בו לא יכולתי כמעט לקפוץ על הרגל. למעשה, הרגשתי שאני משחק עם רגל אחת", סיפר השחקן. "ואז החלטנו לנסות את הטיפול. הצמרתי את המרבקה לעקב הרגל לפני השינה והלכתי לישון."

כשהתעוררתי בבוקר ודרכתי על הרגל הרגשתי כאב, אבל אחרי כמה צעדים הוא נעלם. עכשיו, שלושה שבועות אחרי תחילת

ד"ר חיים משה אדאנה: "ב-18 שנות עבודתי כמומחה לא נתקלתי עדיין בטכנולוגיה שנראית כה מבטיחה לריפוי פגיעות בגידים. עצמות. עצבים



האלמה הבתכה תדרוהל



 PainShield helps Basketball players (1.9 Mb)

News & Events

[Home](#) » [News & Events](#) » [News](#)

News

Events

 [Send to a friend](#)
 [Print page](#)

NanoVibronix Receives FDA Clearance for its PainShield™ MD Device

22 October, 2008

Portable solution for effective localized pain management



Nesher, Israel, NanoVibronix, a medical device company, announced that the US Food and Drug Administration (FDA) has granted 510K clearance to market PainShield™ MD, a diathermy device used to treat pain. PainShield is the first hands-free, patch-based device, thus allowing for an entirely new dimension in ultrasound treatment of pain and soft tissue healing. The

PainShield consists of a disposable patch connected to a portable reusable driver and propagates therapeutic ultrasound waves to the desired area of the body.

NanoVibronix President and CEO, Dr. Harold Jacob, stated, "PainShield MD, which implements our unique low frequency, low intensity ultrasound platform, is the first product from our pipeline to be cleared for marketing in the USA and represents a major milestone for NanoVibronix. NanoVibronix has created a platform that changes the way pain, the most common medical complaint, is managed. Our simple-to-use, portable device can treat pain locally including tendonitis, other musculoskeletal disorders, and post operative pain."

Dr. HM Adahan, Head of Pain Rehabilitation Center at Tel Hashomer Hospital, Israel, commented, "The PainShield appears to present a simple, elegant, economical, and effective solution to many of the most painful and common ailments that I treat. It also encourages patient independence and reduces the costs of therapy by promoting clinician supervised home based care".

Dr. Jonathan Rosenblum, Director, Diabetic Foot Service; Shaarei Zedek Medical Center, Jerusalem, Israel said, "My experience with PainShield MD has shown that it is highly effective in treating painful foot disorders including heel spur syndrome, tendon disease and wound pain." Dr. Rosenblum added "I am currently performing a clinical trial evaluating the effectiveness of PainShield on patients suffering from diabetic foot ulcers and initial results are very promising." "PainShield MD addresses many of the shortcomings of traditional therapeutic ultrasound and various other therapeutic modalities."

About the Company

NanoVibronix, located in Nesher Israel, develops products that implement its proprietary therapeutic ultrasound technology. The company has also developed a unique line of catheter based disposable ultrasound devices designed to treat catheter associated injury including pain, discomfort and biofilm formation. The first two products in this category are the UroShield™ for in-dwelling urinary catheters and NG-Shield™ for in-dwelling Nasogastric tubes.

info@nanovibronix.com

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design

Products

Home » Products » PainShield™ - דלישנייפ

דלישנייפ - PainShield™

דנואסרטלוא תועצמאב רחאו יתרס, יתפוריו, ידפותרוא רוקממ תועיגפו באכב ינשדח לופיט

העיגפו תויוצווכתה, מידג תחיתמ, מיררשמ עבונה באכ תתחפהל דעוימה רישכמ וניה PainShield™-ה רישכמ וברוד, הכילה ירבש ומכ יבצע וא ידפותרוא רוקממ תועיגפבו באכב לופיטל ליעי רישכמה יכ אצמן פסונב. תוכר תומקרב ולא מילג. לופיטה רוזאל מירבעומ רשא ("לוק-לע") דנואסרטלוא ילג רצימ רישכמה. 'דכו CTS, Trigeminal Neuralgia לפוטמה לש תימוי מויה תוליעפל עירפמ וניאש קשוממ לופיט תרשפאמה הכומנ המצועב מניהו הקבדמ תרצעב מיקפומ.

דנואסרטלואה ילגב שומישה קרדב תידוחיי הניהו לארשיב סקינורביוונ תרבח ידי לע החתופ PainShield-ה תיגולונכט סיפוגו תואירבה דרשמ מעטמ מירושיא לביק אוהו שומישל יתוחיטב אוה יכ אצמן רישכמה מע וכרענש מייסוינב לופיטו באכ מע תודדומתהו התחפהב מילוחל רישכמה עייס, הכ דע. (FDA) תירבה תוצראבו (CE) הפוריאב מירטולוגר תונוש תועיגפו תועיצפב.

מיקלח ינשמ בכרומ רישכמה

- רוזאל קומסב, הלוחה פוג לע תמקוממ רשא הקבדמ ילג תא רצימה טנמלא ונשי הקבדמה לע. לופיטה דנואסרטלואה
- תטלושו הקבדמה לא תרבוהמה תינורטקלא הרקב תדיחי תלעפומו תדיינ הרקבה תדיחי. הקבדמה תלועפ לע תנעטנ הללוס תועצמאב

לע אצמנה הלעפהה רותפכ לע הציחל ידי לע לעפומ רישכמה תועש 8 קשמל לעופ אוה הלעפהה רחאל. הרקבה תדיחי לכב לופיטה תא קיספהל תורשפא שי. יטמוטוא נפואב הבכנו לע טלוש לפוטמה, קכיפל. הלעפהה רותפכ לע הציחל י"ע תע קרוצה יפל רישכמה תא דבל ליעפמו רישכמה תלעפה



PainShield™

UroShield™

NG-Shield™

דלישנייפ - PainShield™

Patients' Testimonials



מנויסין לע מירפסמ מילפוטמ <

Send to a friend
Print page

שומישה תונורת

וניה רישכמב וורת. םיינורכ םיעצפ יופירב עייסמ םג םיבאכו תועיגפ ןווגמב יאופר לופיטכ לבוקמ ךומנ רדתב דנואסרטלוא יתדוקנ וניה לופיטה, ףסונב. האפרמל עיגהל ךרוצ אלל לפוטמה לש ישפוחה ונמזב לופיט לבקל ןתינ, לופיטה תוחונב ןמז ךרואל וב שמתשהל ןתינ ןכלו הכומנ המצועבו ימוקמו

מ"עב סקינורביונג :םיפסונ מיטרפל

רשנ, 47 הישעתה

04-8200581 :ל

info@nanovibronix.com

תרושקתב PainShield-ה רישכמ

הייפצל ןאכ וצחל – 1 ץורעב "הדבעמה" היזיוולטה תינכות -

הייפצל ןאכ וצחל - (תירבעב תויבותכ) Guysen TV-ב הרדושש תיתפרצב היזיוולט תינכות -

הייפצל ןאכ וצחל - "תונורחא תועידי"ב הבתכ - תנשיש ןמזב -

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design


[✉ Contact Us](#)
[📍 Site Map](#)

[Products](#)
[Testimonials](#)
[Science & Clinical](#)
[News & Events](#)
[About Us](#)

Products

[Home](#) » [Products](#) » [UroShield™](#)
[PainShield™](#)
[UroShield™](#)
[NG-Shield™](#)
[PainShield™ - דלישנייפ](#)
[✉ Send to a friend](#)
[🖨 Print page](#)

UroShield™

Catheter related injury (soft tissue trauma and infection) is one of the leading nosocomial complications which cause patient morbidity and mortality, prolonged hospitalization and adds substantially to the cost of medical care.

The NanoVibronix UroShield system is a multi-targeting solution intended to work against a number of factors that are essential in preventing catheter related complications. The UroShield Reduces pain and discomfort associated with catheter use, decreases catheter related trauma, diminishes bacteriuria by prevention of biofilm formation and increases antibiotic efficacy.

The clip-on UroShield can be attached to all external urinary tract catheters providing pain and spasm relief and turning the catheter into an active therapeutic device.

UroShield™ Highlights

STANDARD UROSHIELD FOR INDWELLING URINARY CATHETERS; UroShield is the first medical device on the market that is intended to prevent bacterial biofilm, increase

antibiotic efficacy and decrease pain and discomfort associated with urinary catheter use. It can be used with any type of indwelling urinary catheter regardless of the material or coating. The UroShield consists of a disposable UroShield clip-on element that is placed onto the external portion of the Foley catheter in addition to a driver unit, to which the disposable connects.

The UroShield family of products has been expended to include two active stabilization patches. The Z-Shield for Percutaneous Nephrostomy catheters and the S-Shield for Suprapubic Cystostomy catheters.



UroShield has been shown to be safe in clinical trials and has been shown to prevent catheter related injury. UroShield has received CE Mark and is used in clinical trials in Germany* and Israel.

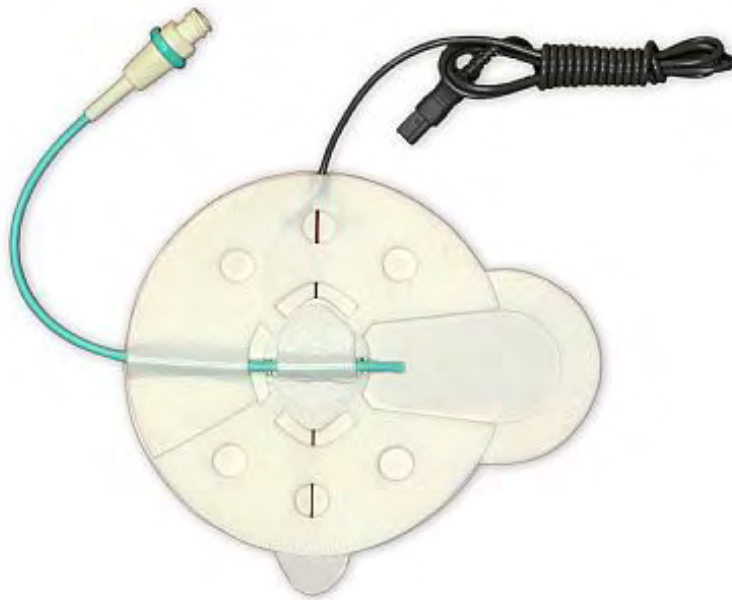
* - See UroShield [Scientific References](#)

UroShield video

UroShield family of products

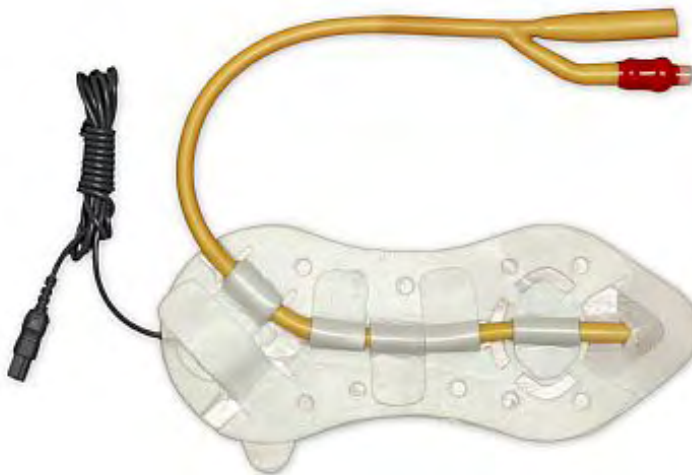
Modifications of UroShield have been made enabling placement on the entire spectrum of indwelling urinary catheters including supra-pubic cystostomy and percutaneous nephrostomy catheters. These two devices consist of the ultrasound transducer embodied in an adhesive stabilization patch, especially designed to fit the anatomy of each site.

Z-SHIELD FOR PERCUTANEOUS NEPHROSTOMY; The Z-Shield patch is an acoustically active stabilization patch designed for percutaneous nephrostomy catheters and applies low frequency ultrasound to the nephrostomy tube to decrease biofilm and maintain patency. At the same time the Z-Shield patch administers low frequency ultrasound to the puncture site to decrease pain and discomfort associated with percutaneous tubes (e.g. nephrostomy) These tubes cause a marked decrease in quality of life for patients as well as frequently precipitate urgent medical need to maintain tube patency or to exchange the tube for a new one.









Z-Shield: acoustically active stabilization patch for percutaneous nephrostomy

S-SHIELD FOR SUPRA-PUBIC CYSTOSTOMY; The S-Shield patch is an acoustically active stabilization patch designed for percutaneous cystostomies and that applies low frequency ultrasound to the abdominal wall opening as well as to the inserted catheter. The goal of the device is to minimize negative ostomy reactions around the skin opening as well as to minimize biofilm and subsequent infection. In addition, the S-Shield patch is designed to decrease pain and spasm associated with percutaneous cystostomy catheters.



S-Shield: acoustically active stabilization patch for supra-pubic Cystostomy

Related Documents

-
- | | |
|--|--|
|  | UroShield - Brochure (630.6 Kb) |
|  | UroShield - Quick Reference (English) (226.7 Kb) |
|  | UroShield - Quick Reference (Hebrew) (240.0 Kb) |
|  | Z Shield - Quick Reference (English) (780.9 Kb) |
|  | Z Shield - Quick Reference (Hebrew) (537.2 Kb) |
|  | UroShield - User manual (English) (616.0 Kb) |
-

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design


[Contact Us](#)
[Site Map](#)

[Products](#)
[Testimonials](#)
[Science & Clinical](#)
[News & Events](#)
[About Us](#)

Products

[Home](#) » [Products](#) » [NG-Shield™](#)

NG-Shield™

Nasogastric tube related pain and injury (soft tissue trauma and related complications) causes unnecessary patient suffering and morbidity, may prolong hospitalization and add to the cost of medical care.

Nasogastric intubation can result in nasal septal trauma, nasal ulceration, painful swallowing, sinusitis and esophagitis.

The NG-Shield employs our proprietary acoustic technology onto the Nasogastric tube in such a manner that it markedly reduces the trauma and effective friction of the tube and blocks tube associated pain and discomfort. A recent clinical trial in normal healthy volunteers demonstrated significant improvement in the pain and discomfort associated with NG Tube usage.

In-Vitro studies have shown that our NG-Shield technology is effective in preventing biofilm formation. Therefore, NG-Shield may also be helpful in preventing biofilm and bacterial related complications of Nasogastric tube usage.

NG-Shield™, is composed of the NG-Shield™ device and a disposable clip-on accessory that may be placed on the external portion of any available Nasogastric tube providing pain relief and turning the catheter into an active therapeutic device.

NG-Shield™ Highlights

NG-Shield has been shown to reduce both nasal and pharyngeal pain and discomfort. Thus preventing NG tube related trauma and complications. NG-Shield may be easily applied to any available nasogastric tube.





NG-Shield has been shown to be safe as well as markedly reduce Nasogastric tube associated pain. NG-Shield has received CE Mark.

[PainShield™](#)
[UroShield™](#)
[NG-Shield™](#)
[PainShield™ - דלישנייפ](#)
[Send to a friend](#)
[Print page](#)



NG-Shield™

Related Documents

-  [NG-Shield Brochure \(1.4 Mb\)](#)
-  [NG Shield - Quick Reference \(English\) \(262.3 Kb\)](#)
-  [NG Shield - Quick Reference \(Hebrew\) \(330.9 Kb\)](#)
-  [NG Shield - User Manual \(English\) \(696.2 Kb\)](#)

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

Science & Clinical

[Home](#) » [Science & Clinical](#) » [Peer Reviewed Papers](#)

[Pre-Clinical Evaluations](#)

[Case Reports](#)

[Clinical Studies](#)

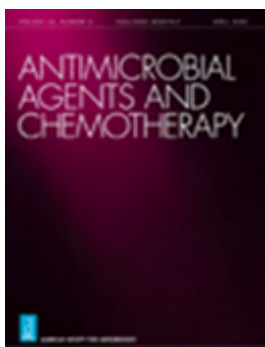
[Abstracts and Posters
Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)

[Print page](#)

Peer Reviewed Papers



ANTIMICROBIAL AGENTS AND CHEMOTHERAPY,
Dec. 2006, p. 4144-4152

**Effective Prevention of Microbial Biofilm Formation on
Medical Devices by Low-Energy Surface Acoustic Waves**

***Zadik Hazan, Jona Zumeris, Harold Jacob, Hanan
Raskin,***

*Gera Kratysh, Moshe Vishnia, Naama Dror, Tilda Barliya,
Mathilda Mandel, and Gad Lavie*

Nanovibronix Corporation, Nesher, and Institute
of Hematology
and Blood Center, Sheba Medical Center, Tel-Hashomer, Israel

[Download Paper](#)

Science & Clinical

[Home](#) » [Science & Clinical](#) » [Abstracts and Posters Presentations](#)

Abstracts and Posters Presentations

[Pre-Clinical Evaluations](#)

[Case Reports](#)

[Clinical Studies](#)

[Abstracts and Posters Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)
[Print page](#)



49th Annual Meeting - American Society of Cell Biology, San Diego, CA Dec. 2009

Acoustic Waves Enhances Human Neutrophil Killing of bacteria

John D. Loike¹, Anna Plitt², Komal Kothari², Jona Zumeris³,

Harold Jacob³, Kaitlyn Kavalus¹, Yonatan Ray¹, S. Silverstein¹

¹Department of Physiology and Cellular Biophysics, Columbia

University College of Physicians and Surgeons, NY, NY;

²Columbia College, NY, NY; ³NanoVibronix, Nesher, Israel;

[Download Poster](#)



60th Israeli Association Meeting for Physical Medicine & Rehabilitation, Israel Nov. 2009 - **First prize winner**

Healing Of Tendon Tear With A Novel Low Intensity Low Frequency Surface Acoustic Ultrasound (LILFU) Patch

Haim-Moshe ADAHAN, Hanania SHARON, Itzhak SIEV-NER
Pain Rehabilitation Center, The Chaim Sheba Medical, Tel-Hashomer, Israel

[Download Poster](#)



60th Congress of the German Society of Urology, Stuttgart Sep. 2008

Akustische Nanowellen: Ein neuer therapeutischer Ansatz

bei katheterassoziierten Harnwegsinfektionen

Simon Zillich, Christian Weber, Uwe Iking

**Abteilung für Urologie, Krankenhaus Salem, Heidelberg,
Germany**

[Download Poster](#)



17th Congress of the European Academy Of Dermatology and

Venereology, Paris Sep. 2008

The Effect of a Novel Patch Based Therapeutic Ultrasound Device on the Healing of Diabetic Foot Ulcers

Jonathan Rosenblum DPM¹, Constantine Reinus MD PhD²

**¹Director, Diabetic Foot Service; Shaarei Zedek Medical
Center,
Jerusalem, Israel**

**²Chairman, Department of Pathology; Shaarei Zedek
Medical
Center, Israel**

[Download Poster](#)



Diabetic Foot Global Conference Los Angeles, CA March 2008

From the Histology Laboratory to the Wound Care Clinic:

PainShield™ MD Diathermy

***Jonathan Rosenblum DPM¹, Leon T. Gilead MD², Constantin
Reinus MD³***

**¹ Director, Diabetic Foot Service,
Shaarei Zedek Medical Center Jerusalem Israel**

**² Head, Hard to Heal Wound Service, Department of
Dermatology,
Haddasah University Medical Center Jerusalem Israel**

³ Director, Department of Pathology,
Shaarei Zedek Medical Center Jerusalem Israel

[Download Poster](#)



49. Jahrestagung der Südwestdeutschen
Gesellschaft für Urologie
Heilbronn, Germany, May 2008

**Biofilmprävention durch akustische Nanowellen:
Ein neuer Aspekt bei katheterassozierten
Harnwegsinfektionen?**

Simon Zillich,
Christian Weber,
Uwe Iking
Abteilung für Urologie, Krankenhaus Salem,
Heidelberg, Germany

[P5.17 Folie 1/2](#) | [P5.17 Folie 1/2](#) | [Video 1](#) | [Video 2](#) | [Video 3](#)



25th World Congress of Endourology and
SWL

Cancun, Mexico, October 2007

**Biofilm Prevention by Surface Acoustic
Nanowaves: A New Approach to Urinary
Tract Infections?**

Uwe Iking, Simon Zillich, Christian Weber
Dept. of Urology, Salem Medical School,
University of Heidelberg, Heidelberg, Germany

[Download Poster](#)

Science & Clinical

[Home](#) » [Science & Clinical](#) » [Clinical Studies](#)

Clinical Studies

[Pre-Clinical Evaluations](#)

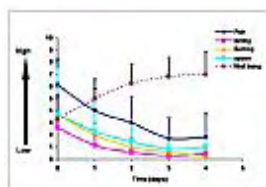
[Case Reports](#)

[Clinical Studies](#)

[Abstracts and Posters
Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)
[Print page](#)

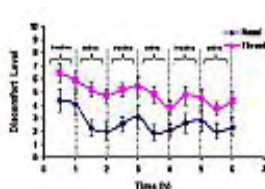


THE EFFECT OF UROSHIELD ON PAIN AND DISCOMFORT LEVELS IN PATIENTS RELEASED FROM THE EMERGENCY ROOM WITH URINARY CATHETER DUE TO URINARY OBSTRUCTION

Dr. Todd Zalut

Head, Dept. of Emergency Medicine, Shaare Zedek Medical Center, Jerusalem, ISRAEL

[Download in PDF format](#)



EVALUATION OF SAFETY AND EFFICACY OF THE NG-SHIELD IN HEALTHY SUBJECTS WITH INDWELLING NASOGASTRIC TUBE

Prof. Sam Adler

Head, The Gastroenterology Unit, Bikur Cholim Hospital, Jerusalem, ISRAEL

[Download in PDF format](#)

Table 2: SEM analysis of the catheter inserted trans-urethral insertion which were treated with UroShield, compared to the control group which is catheter without UroShield

Treated group	No. Presence of biofilm	SEM example (Image 1000)	Control group	No. Presence of biofilm	SEM example (Image 1000)
UroShield	3		Control	3	
	4			4	
	5			5	
	6			6	
	10			10	
	11			11	
	12			12	
	13			13	
	14			14	
	15			15	
	16			16	
	17			17	
	18			18	
	19			19	
	20			20	
	21			21	
	22			22	
UroShield group	23		Control group	24	

BIOFILM PREVENTION BY SURFACE ACOUSTIC WAVES: A NEW APPROACH TO URINARY TRACT INFECTIONS

Dr. Simon Zillich, Dr. Christian Weber, Prof. Uwe Ikinger
Abteilung für Urologie, Krankenhaus Salem, Heidelberg, GERMANY

[Download in PDF format](#)



Replacement of antibiotic therapy by UroShield device in subjects with urinary catheter following radical prostatectomy

Dr. Simon Zillich, Dr. Christian Weber, Prof. Uwe Ikinger
Abteilung für Urologie, Krankenhaus Salem, Heidelberg, GERMANY

[Download in PDF format](#)



[Contact Us](#) [Site Map](#)

[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

[About Us](#)

Science & Clinical

[Home](#) » [Science & Clinical](#) » [Case Reports](#)

[Pre-Clinical Evaluations](#)

[Case Reports](#)

[Clinical Studies](#)

[Abstracts and Posters
Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)

[Print page](#)

Case Reports



A patient with chronic indwelling Foley catheter, chronic suprapubic pain and chronic bacteriuria with resistant *P. Aeruginosa* succesfully treated with UroShield

Dr. Yoram Siegel. Head of Endourology unit, Assaf Harofeh Medical Center, Israel



[Download Case Report in PDF format](#)

News & Events

[Home](#) » [News & Events](#) » [Events](#)

[News](#)

Events

 [Send to a friend](#)
 [Print page](#)

Events

Event: 19th Conference of the European Wound Management Association

Date: 20 - 22 May, 2009

Location: Booth 5H3
 Helsinki Fair Center, Helsinki, Finland

Website: <http://ewma2009.org>



Event: 24th Annual EAU Congress

Date: 17 - 21 March, 2009

Location: Booth B01:50
 Stockholm International Fairs, Stockholm, Sweden

Website: <http://www.eaustockholm2009.org>



Event: 60th Congress of the German Society of Urology

Date: 24 - 27 September, 2008

Location: Booth 6.15
 ICS International Congress Center, Messeplazza,
 Stuttgart, Germany

Website: www.dgu-kongress.de/index.php?id=351



Event: 9. Internationalen Kongress für Krankenhaushygiene

Date: 20 - 23 April, 2008

Location: Russisches Haus, Berlin

Website: www.dgkh.de/jahreskongress



UroShield™ Workshop

22 April, 2008

16:00-19:45

Saal 2

Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design


[Contact Us](#)
[Site Map](#)

[Products](#)
[Testimonials](#)
[Science & Clinical](#)
[News & Events](#)
[About Us](#)

About Us

[Home](#) » [About Us](#) » [Management](#)

Management

[Medical Advisory Board](#)
[Send to a friend](#)
[Print page](#)

Management

Harold Jacob, M.D.

CEO

Joined the Company in October 2003. He has worked extensively in medical device development. Dr. Jacob has consulted for a number of medical device companies and previously served as the Director of Medical Affairs at Given Imaging, a publicly traded company (NASDAQ: GIVN). Dr. Jacob was instrumental in the development and launch of the Given Imaging Pillcam, a capsule with a miniature camera that transmits images to an external recorder as it naturally progresses through the digestive tract. Dr. Jacob is board certified in Internal Medicine and Gastroenterology. He has patented and licensed a number of medical devices in use today.

Jona Zumeris, PhD

VP Technology

Dr Zumeris is a founder of NanoVibronix. He is a world expert in precision micro-mechanics and applied nanovibrational physics. He has written more than 80 patents in the area of piezomechanics and vibrational processing and has authored 82 papers in the area. Prof. Zumeris is a founder, the former President and Director of R & D of Nanomotion Ltd. From 1999 to 2003, Prof. Zumeris served as President of PMG Medica Ltd.

Mr. Amir Rippel

VP Marketing

Mr. Rippel brings over 20 years of experience in the medical device industry to NanoVibronix. Prior to joining NanoVibronix, Mr. Rippel served as VP Marketing and Business Development at companies such as Trig Medical Ltd. and Deep Breeze Ltd. Prior to that, he held the position of Director Corporate Market Development at Given Imaging. Given Imaging (NASDAQ: GIVN) is an international company that specializes in providing gastrointestinal diagnostic solutions. Prior to that, Mr. Rippel has served as the Director of Corporate Marketing and managed the corporate marketing activities at Given and also played the lead role in establishing the European distribution channel and setup of the Japanese office of the corporation. Mr. Rippel holds a B.Sc. degree in Computer Engineering from the Technion Institute of Technology (Israel).

Carl Jacobs, PhD

Consultant, VP of Operations and Acting COO

Dr Jacobs joined the Company in October 2004. He is a Former Assistant Professor of Engineering at The Georgia Institute of Technology and an expert in biomaterials, medical devices manufacturing and quality systems. He was formerly VP of Operations and Engineering at Datascope Corp (NASD-DSCP) and Group leader, Material Characterization at Howmedica. He has also been VP Manufacturing and Operations at Orthomet, Director of Quality Systems at Osteonics and Director of R&D Laboratories at Zimmer.

Ms. Inna Zumeris

Director of Intellectual Property

Mrs Zumeris is an expert in materials research and development. Mrs. Zumeris is a chemical engineer by training with extensive experience in plastics, adhesives and materials engineering.


[Contact Us](#)
[Site Map](#)

[Products](#)
[Testimonials](#)
[Science & Clinical](#)
[News & Events](#)
[About Us](#)

About Us

[Home](#) » [About Us](#) » [Medical Advisory Board](#)

[Management](#)
[Medical Advisory Board](#)
[Send to a friend](#)
[Print page](#)

Medical Advisory Board

Dennis G. Maki, MD

Professor of Medicine and Head, Section of Infectious Disease, Department of Medicine University of Wisconsin Medical School. He is a world leader and international expert in the area of Catheter Acquired Infection. He is also a noted author and lecturer in the area of Infectious Diseases and Catheter Acquired Infection.

Nathan Keller, MD, PhD, MBA

Director of Clinical Microbiology and head of the Laboratory Center at The Chaim Sheba Medical Center, Tel Aviv Israel. Dr Keller has done extensive research in Infectious Diseases and Antibiotic Resistance.

Phillip Hanno, MD

Associate Prof. of Urology, Univ. of Pennsylvania School of Medicine

Dr. Hanno has extensive experience in Clinical Urology and catheter acquired infection. Dr. Hanno is medical Director, Department of Clinical Effectiveness and Quality Improvement , University of Pennsylvania Health System and is a member of the Clinical Practice System at University of Pennsylvania.

Shalom Hirschman, MD

Senior Vice-President for Graduate and Professional Education at Touro University, Hackensack, New Jersey

Dr. Shalom Z. Hirschman was on the founding faculty of the Mount Sinai School of Medicine in 1968 and served as Director of the Division of Infectious Diseases and Professor of Medicine there. Dr. Hirschman also served as vice-chairman of the Department of Medicine at Mount Sinai. He served as CEO of Advanced Viral Research Corp. where he was instrumental in creating new peptide-based drugs. Dr. Hirschman was the founder of Xtramedics, the forerunner company of Quantrx, and serves as a member of the board. Dr. Hirschman currently is Senior Vice-President for Graduate and Professional Education at Touro University. He is a founder and leader of the new Touro University College of Medicine in Hackensack, New Jersey.

Yechezkiel Caine, MD

Director General Herzog Hospital, Jerusalem, Israel

Yehezkel Caine is the Director General of the Herzog Memorial Hospital in Jerusalem. He is a board certified general surgeon and prior to assuming his present position was a senior staff surgeon at the Hadassah University Hospital in Jerusalem where he continues to practice as an active surgeon. Dr. Caine holds an M.D. from the Hebrew University of Jerusalem and a M.Sc. in Business and Industrial Management from Ben Gurion University. He has served as Surgeon General of the Israeli Air force and is currently the President of the International Academy of Aviation and Space Medicine

Samuel Pinchas, MD

Former Director General of Hadassah Medical Center, Jerusalem, Israel.

Dr. Penchas is a member of the Israeli Society for Engineering in Medicine and Biology. Dr. Penchas holds degrees in Medicine, Electrical Engineering and Mechanical Engineering.

Mitchell J. Schwaber, MD, MSc

Director, National Center for Infection Control, Israel Ministry of Health

Dr. Schwaber brings vast experience in the area of Infectious Diseases. Worked at Beth Israel Deaconess Medical Center, Boston, MA and is currently the Director of the National Center for Infection Control, Israel Ministry of Health Department of Consultative Medicine and Division of Epidemiology, Tel Aviv Sourasky Medical Center. Primary area of research: antibiotic-resistant nosocomial infections.



[Contact Us](#) [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)

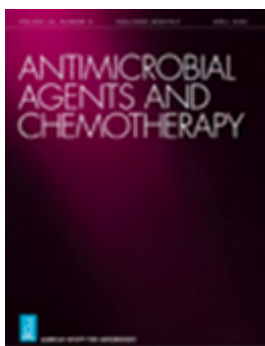
[About Us](#)

Science & Clinical

[Home](#) » [Science & Clinical](#)

Science & Clinical

Scientific Papers



ANTIMICROBIAL AGENTS AND CHEMOTHERAPY,
Dec. 2006, p. 4144–4152

**Effective Prevention of Microbial Biofilm Formation on
Medical Devices by Low-Energy Surface Acoustic Waves**
Zadik Hazan, Jona Zumeris, Harold Jacob, Hanan

Raskin,

*Gera Kratysh, Moshe Vishnia, Naama Dror, Tilda Barliya,
Mathilda Mandel, and Gad Lavie*

Nanovibronix Corporation, Nesher, and Institute
of Hematology
and Blood Center, Sheba Medical Center, Tel-Hashomer, Israel

[Download Paper](#)

Abstracts and Congress Presentations

[Pre-Clinical Evaluations](#)

[Case Reports](#)

[Clinical Studies](#)

[Abstracts and Posters
Presentations](#)

[Peer Reviewed Papers](#)

[Send to a friend](#)
[Print page](#)



60th Congress of the German Society of Urology,
Stuttgart Sep. 2008

**Akustische Nanowellen: Ein neuer therapeutischer
Ansatz**

bei katheterassozierten Harnwegsinfektionen

Simon Zillich, Christian Weber, Uwe Iking

**Abteilung für Urologie, Krankenhaus Salem, Heidelberg,
Germany**

[Download Poster](#)



17th Congress of the European Academy Of
Dermatology and

Venereology, Paris Sep. 2008

**The Effect of a Novel Patch Based Therapeutic Ultrasound
Device on the Healing of Diabetic Foot Ulcers**

Jonathan Rosenblum DPM¹, Constantine Reinus MD PhD²

**¹Director, Diabetic Foot Service; Shaarei Zedek Medical
Center,
Jerusalem, Israel**

**²Chairman, Department of Pathology; Shaarei Zedek
Medical
Center, Israel**

[Download Poster](#)



Diabetic Foot Global Conference
Los Angeles, CA March 2008

**From the Histology Laboratory to the Wound Care
Clinic:**

PainShield™ MD Diathermy

***Jonathan Rosenblum DPM¹, Leon T. Gilead MD², Constantin
Reinus MD³***

**¹ Director, Diabetic Foot Service,
Shaarei Zedek Medical Center Jerusalem Israel**

**² Head, Hard to Heal Wound Service, Department of
Dermatology,
Haddasah University Medical Center Jerusalem Israel**

³ Director, Department of Pathology,

[Download Poster](#)

- 49. Jahrestagung der Südwestdeutschen
Gesellschaft für Urologie
Heilbronn, Germany, May 2008

**Biofilmprävention durch akustische Nanowellen:
Ein neuer Aspekt bei katheterassoziierten
Harnwegsinfektionen?**

*Simon Zillich,
Christian Weber, Uwe
Iking*
Abteilung für Urologie, Krankenhaus Salem,
Heidelberg, Germany

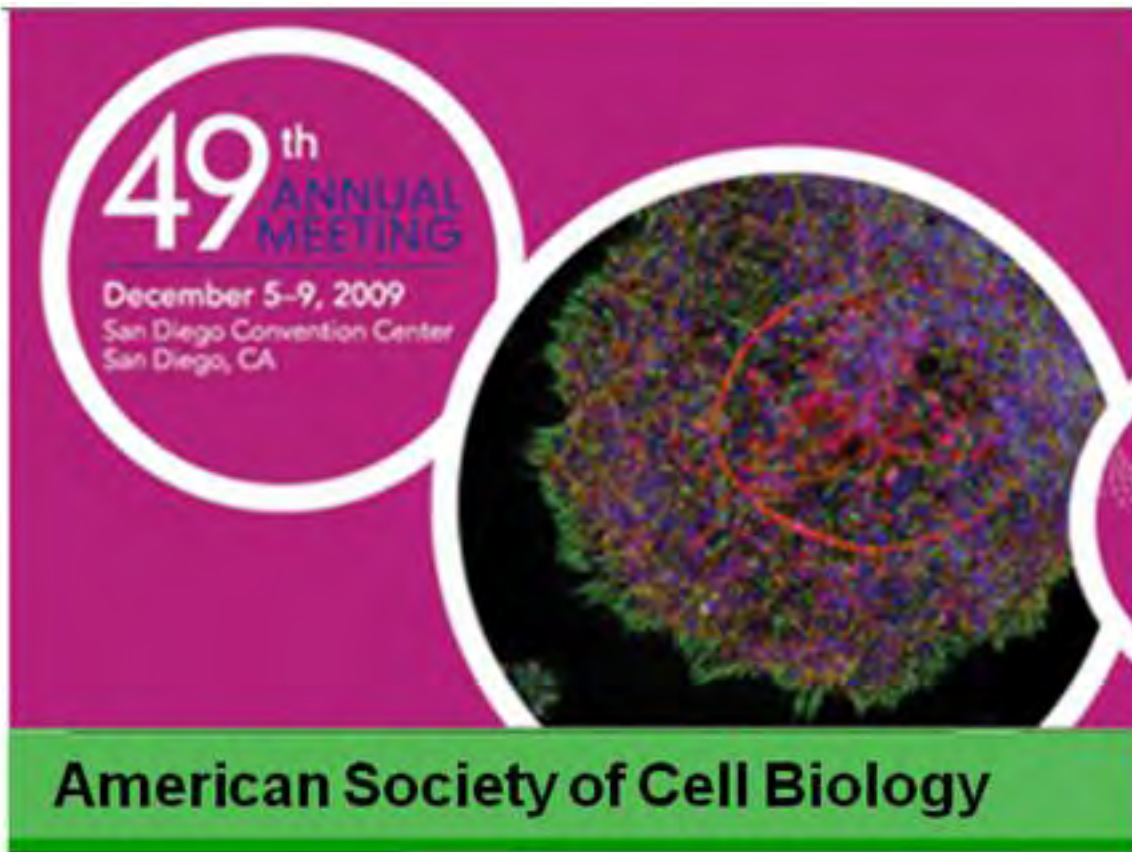
[P5.17 Folie 1/2](#) | [P5.17 Folie 1/2](#) | [Video 1](#) | [Video 2](#) | [Video 3](#)

- 25th World Congress of Endourology and
SWL
Cancun, Mexico, October 2007

**Biofilm Prevention by Surface Acoustic
Nanowaves: A New Approach to Urinary
Tract Infections?**

Uwe Iking, Simon Zillich, Christian Weber
Dept. of Urology, Salem Medical School,
University of Heidelberg, Heidelberg, Germany

[Download Poster](#)



60th Israeli Association Meeting Physical Medicine & Rehabilitation









 [Contact Us](#)  [Site Map](#)



[Products](#)

[Testimonials](#)

[Science & Clinical](#)

[News & Events](#)



[About Us](#)

News & Events

[Home](#) » [News & Events](#) » [News](#)

News

Events

 [Send to a friend](#)
 [Print page](#)

PainShield™ at GUYSEN TV (English dubbing)

1 June, 2009



Copyright © 2008 NanoVibronix. All Rights Reserved.Created by Catom web design



