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July 2019

South Palm Beach Edition - Monthly

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**WHAT HAPPENS AFTER  
A HAIR TRANSPLANT?**

**THE NEXT EVOLUTION OF  
PERSONALIZED BODY SCULPTING,  
TRUSCULPT ID**

**ENSURING OUR PARENTS HEALTH  
THROUGH MEDICATION COMPLIANCE**

**AVOID BACK AND SPINE  
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**LAW OFFICE OF ANDREW CURTIS, ESQ**

- LLM in Taxation New York University Law School 1986
- JD Georgetown University Law School 1983
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- BS Cornell University 1977

Andrew Curtis is an attorney whose practice concentrates in the areas of trusts, estates, and elder law. He is a graduate of some of the top universities in the country. He devotes his time to estate planning for the middle class, charging moderate fees, and then getting referrals from happy clients.

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6 Ensuring Our Parents Health Through Medication Compliance

8 What Happens After a Hair Transplant?

10 The Next Evolution of Personalized Body Sculpting, truSculpt® iD

12 Avoid Back and Spine Surgeries!!!

14 Ischemic Optic Neuropathy

15 All the Rage with Celebrities, The Vampire Facelift and Facial Can Give You Your Youthful Appearance Back

16 TubcuT® Will Improve Accessibility & Reduce Accidents

18 GAINSWave Is a Revolutionary New Therapy That Treats Erectile Dysfunction (ED)

21 Life Beyond a Cancer Diagnosis

22 Alzheimer's Disease: How Acupuncture and Functional-Medicine Is Helping Patients

24 What is the Difference Between THC and CBD?

26 Treating Anxiety and Depression

28 REJUVAnation™ – Amniotic and Umbilical Cord STEM CELL Ttherapy CURE Peyronie's Disease STOP the Pain – Don't Operate REGENERATE Get Your Life Back with Stem Cell Therapy

30 The Cornea

31 Spiritual Wellness: It's Hot Everywhere In July

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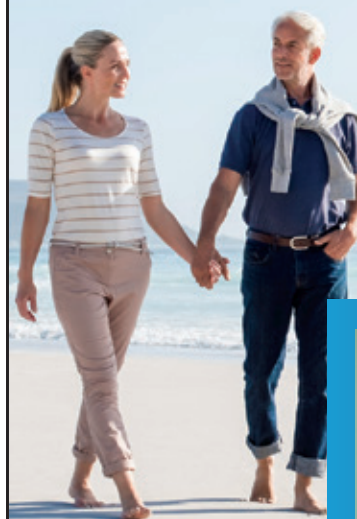
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By Dr. David Steinberg,  
Pharmacist

# Ensuring our Parents Health Through Medication Compliance

**A**s the baby boomer generation ages and medications become more numerous, children and family members are charged with caring for the loved ones. This task comes not only with much stress but also with many questions. The questions often range from “Who will administer the medication when I’m not there?” “Is there a risk of my family member taking too many pills?” “How can I be sure that my family member is taking the same amount of medications he was taking

at the long term care facility?” These are just a couple of questions that we get at the pharmacy when we consult with family members and patients. As patients increase the number medications taken along with an increase to the number of physicians, the rise of medications errors is inevitable. Patients rely on family members or homecare givers to ensure compliance. We can do more. Every extra precaution or measure is well worth it when it comes to our family member. Our pharmacy has a unique system to mitigate medication errors such as over-medication and under-medication. We use, what is commonly called in the industry, a “bingo card.” It is becoming the industry gold standard and not only ensures medication compliance but puts the family at ease. It is a unit dose system where the patient’s medications are

divided into morning, afternoon, evening and bedtime. Each time slot has its own cell allowing the patient to know if the medicine was taken or not. It eliminates counting pills, filling pillboxes, and remembering doses. As a pharmacist, I hope to reduce common and preventable errors and help everyone live healthier lives. Please call TrustedMedRx with any questions at **561-613-6209** or **855-9EZ-MEDS**.



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# What Happens After a HAIR TRANSPLANT?

By Alan J. Bauman, MD, ABHRS

**W**hile patients report undergoing a hair transplant as a life changing experience that restores their confidence and youthfulness and improves their quality of life, it is important to understand that the change doesn't happen overnight. Results take time and treating hair loss successfully for the long-run takes a commitment that doesn't end after your transplant. Note: Transplanted hair is relatively permanent, but your other hair may not be!



## WHAT TO EXPECT DURING RECOVERY

The procedure itself is comfortable and the new, less-invasive “FUE” approach have made recovery faster and easier for patients. Because there are no staples or stitches with today's advanced surgical techniques, there is no tension on the skin, and most patients are able to resume regular activities within just a few days following a hair transplant.

Patients can expect a little soreness following FUE surgery for maybe a day, but most don't require anything stronger than over-the-counter pain medication.

## ACCELERATING HEALING AND REGROWTH

Today, more and more doctors performing hair transplantation are using Platelet Rich Plasma (PRP) to help wounds heal faster and reduce the cosmetic downtime from a hair transplant procedure. PRP is used to accelerate the body's recovery mechanisms and create an optimal environment for wound healing to occur comfortably and quickly.

Many hair transplant patients also often opt to use a physician-prescribed laser therapy device to help accelerate healing and decrease discomfort after surgery.

## A MULTI-THERAPY APPROACH

The goal for the hair transplant is to replace the hair that you've lost, but continued treatment may be necessary to protect that hair that you have from suffering the same follicular fate. Often, as it is in many areas of medicine, “multi-therapy” or a combination of several different

treatments, may have the best success for achieving long-term success.

Treatments like PRP, PDOgro™, laser therapy, custom-compounded topical minoxidil like Formula 82M, and other interventions can be part of long-term treatment plan to help protect hair follicle function in the non-transplanted hair.

## A LONG-TERM INVESTMENT

One of the hardest parts of treating hair loss is helping the patient understand that it is a long-term investment and process. Just like hair loss, initial changes in hair regrowth take time and can be subtle before they are noticeable to the naked eye. This is especially true for hair transplant patients. Continued care and commitment is necessary to ensure optimal results from the procedure and also to effectively maintain the non-transplanted hair. It is essential to follow your doctor's post-op instructions carefully and thoroughly and keep your recommended appointments to ensure the best long-term results.

Routine follow-ups are important in order to determine how well the follicles are responding to the treatments, and to see if changes should be made in the therapy regimen.

Approximately every two to three months following the procedure,

you will be scheduled to return to the office where they will monitor the healing of the donor area and hair growth, which will begin to be visible in approximately four months. All follow-up appointments are critical to the success of the procedure and must be kept. For patients who live out of the area, arrangements can be made to schedule “virtual” follow-ups (via phone or video call) to carefully monitor the recovery progress.

It is important to keep in mind that it can take more than a year to see the full, final results from any procedure or treatment. This is longer than many







other cosmetic treatments or procedures that patients have experience with so many patients are tempted to end their hair treatments too soon. Ending treatment prematurely will disrupt any progress that had been made.

#### TIMING YOUR TRANSPLANT

So when is the right time for a hair transplant? That depends. When it comes to hair loss, the biggest takeaway for patients should be that early intervention is the key to preventing and managing hair loss. There are many considerations your hair restoration physician will discuss with you in determining if you are a good candidate for hair transplant surgery. Among these deciding factors is lifestyle, health conditions, health of

the scalp, amount of healthy “Donor Hair,” hair loss classification, commitment to follow-up care and age.

Patients are always encouraged to seek the counsel of an ABHRS-certified hair restoration physician while in the early phases of hair loss. Early effective medical intervention can prevent the need for immediate transplantation and also reduce the amount and size of hair transplants needed over time.

For more information on what kind of results you might achieve with an advanced FUE hair transplant, please visit [www.baumanmedical.com](http://www.baumanmedical.com) or call **561-220-3480**.

If you’re considering a hair transplant, ask your board-certified hair restoration surgeon about which of these advanced FUE techniques may be right for you:

- **SmartGraft FUE:** SmartGraft is an FDA-cleared mechanical, minimally-invasive surgical hair transplant instrument that works like an extension of the surgeon’s hand, allowing the removal of individual follicular units from the donor area located at the back of the patient’s scalp which are then implanted into the bald areas. This means no scalpels, sutures, or staples for the patient in the donor area – leaving absolutely NO linear scar.
- **ARTAS Robotic-Assisted FUE System:** The FDA-cleared ARTAS robot is a state-of-the-art medical device that assists in hair transplant surgery by helping to safely and effectively extract intact hair follicles for transplantation using the FUE technique. The robot’s sophisticated micron-level precision allows patients to benefit from an unprecedented level of safety; accuracy, efficiency, and comfort during their hair transplant procedure.
- **NeoGraft FUE:** The original “game-changing” device for Follicular Unit Extraction is still in use today to help surgeons extract grafts from the Donor Area without leaving behind a tell-tale linear scar. Just be sure your surgeon is an experienced full-time hair restoration physician, not just someone who’s added NeoGraft to a full menu of cosmetic services.

### About Dr. Alan J. Bauman



**Alan J. Bauman, MD, ABHRS, IAHRs**  
Hair Loss Expert

Dr. Alan J. Bauman is the Founder and Medical Director of Bauman Medical Group in Boca Raton, Florida. Since 1997, he has treated over 20,000 hair loss patients and performed over 9000 hair transplant procedures. An international lecturer and frequent faculty member of major medical conferences, Dr. Bauman was recently named one of “10 CEOs Transforming Healthcare in America” in Forbes.

His work has been featured in prestigious media outlets such as The Doctors Show, CNN, NBC Today, ABC Good Morning America, CBS Early Show, Men’s Health, The New York Times, Women’s Health, The Wall Street Journal, Newsweek, Dateline NBC, FOX News, MSNBC, Vogue, Allure, Harpers Bazaar and more.

A minimally-invasive hair transplant pioneer, in 2008 Dr. Bauman became the first ABHRS certified Hair Restoration Physician to routinely use NeoGraft FUE for hair transplant procedures.



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So first, I had Zerona then CoolSculpting and then finally SculpSure, but none of these technologies impressed me like truSculpt® iD. This is the latest Body Sculpting technology that utilizes radio frequency wavelength to non-invasively melt fat under the skin and results in a 24% fat thickness reduction with one treatment alone. The treatment takes 15 minutes per area and multiple areas can be treated at the same time. This radio frequency technology penetrates deep to heat the entire fat layer from skin to muscle. The treatment is very

comfortable, it feels like a “warm” massage and the melted fat is eliminated through the lymphatic system, through urine within 8- 12 weeks. There is absolutely no down time and all areas of the body can be treated effectively. Since radio frequency energy is being used we obtain excellent skin tightening results unlike any of the previous non-invasive body sculpting devices. In addition, there are no side effects unlike any of the other technologies.

With so many of the body contouring technologies out there, I think it would be helpful if I compare the most popular technologies available:



### Coolsculpt vs truSculpt® iD

Coolsculpt uses freezing to eliminate fat, it can be uncomfortable and can result in skin laxity.

### SculpSure vs truSculpt® iD

SculpSure can require more than one treatment for 24% reduction and is uncomfortable. Multiple areas cannot be treated at the same time and some areas cannot be treated at all with SculpSure.

### truSculpt® iD vs Emsculpt

Emsculpt is a muscle toning device, not body contouring. There is not much, if any fat reduction.

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**Medical Director, Daniela Dadurian M.D.**  
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Daniela Dadurian, M.D. received her medical degree from the University of Miami School of Medicine. She is certified by the Board of Anti-Aging & Regenerative Medicine and the Board of Laser Surgery. Dr. Dadurian has also completed a fellowship in Stem Cell Therapy by the American Board of Anti-Aging Medicine. She is a member of the International Peptide Society, the American Academy of Anti-Aging Medicine and the Age Management Medicine Group. Dr. Dadurian is the medical director of several medical spa and wellness centers in palm beach county with locations in West Palm Beach and on the island of Palm Beach. She is a leading expert in anti-aging & aesthetic medicine. Her state of the art facilities offer an array of anti-aging, functional medicine, cosmetic and laser therapies.

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By Aaron Rosenblatt, MD

# AVOID BACK AND SPINE SURGERIES!!!



**B**ack surgeries can fail for a devastatingly simple reason; the operation was not the right treatment, because the surgeon never pinpointed the source of the pain. As a result, patients may be just as miserable as they were before, or worse off. Unfortunately a desperate number choose to try surgery again. This is usually the wrong decision as well and this should be avoided. Statistics show also that by two years after a patient's first surgery, about 8% of patients have had another operation and by 10 years after, the rate jumps to 20%, an analysis of Washington State hospital data found.

There is no one best way to treat everyone. But the chance of finding relief for ongoing pain unquestionably lies in understanding what has gone wrong. This is not an easy task. Then seeing the most appropriate specialist for your problem and asking the right questions is quite important. With back problems, perhaps more than with any other medical condition, getting the best care at the utmost importance. The most important doctor you can see, at this point, is an Interventional Pain Management Specialists like Dr. Aaron Rosenblatt. A well qualified and certified doctor like him can evaluate a patient completely. He will order the appropriate scans and

or test needed in order to come up with a plan to properly diagnose and the treat the issues WITHOUT SURGERY.

Once all of the appropriate tests are done Dr. Rosenblatt can see what diagnostics need to be completed in his state-of-the-art pain management facility. That's why it's critical to have a thorough workup. To get a sense of the cause of your pain X-rays and MRI/CT scans can be helpful but just because these scan say you have a disc problem here and or an arthritic problem there does not mean that this is where your pain is generated from.

As an interventionalist, Dr. Rosenblatt will take this information and set up diagnostic tests within his office to properly pinpoint the exact regions of the spine which require any type of treatment. Without these diagnostic tests, the wrong diagnoses can be made and then ineffective treatment with surgery becomes likely. That's because high-tech images routinely uncover bulging discs and other "abnormalities." Dr. Rosenblatt will use this information and interventional techniques to avoid surgery.

Trouble is, many findings on scans often have nothing to do with what's hurting. If you take 100 people off the street and give them MRI's or Cat Scans, 33% of them, even if they had no back pain whatsoever, would have obvious structural problems. Data also points out that less the 5% of all patients who experience back pain will EVER require surgery but, unfortunately, a much higher percent of patients wind up with an operation. We will help avoid this situation.

Here's the real problem... Patients tend to think of back surgery as the BIG CURE or consider it the treatment that will work successfully. Sometimes, in our desperation to get our lives back, it may seem like a good idea to jump over



those less invasive procedures and go right to the big one. This is rarely true.

Dr. Rosenblatt says, “Per my experience, it is rarely the case that a patient I see in my office will ever require surgery for pain. I also see too many patients who have already had 1 or more back surgeries without any relief.” Surgery should NEVER be seen as worth trying for pain. This approach usually fails to help patients overcome their pain and now their spines are complicated and worse off due to after effect of surgery.

If a doctor recommends an operation, get a second opinion as soon as possible. A good surgeon should understand that you need to be comfortable with any decision and prior to having a surgery other opinions are necessary. For a truly useful second look, Dr. Rosenblatt can fully evaluate this situation and give what options exist.

Dr. Rosenblatt explains, “There have been too many times where patients were scheduled for one type of surgery and something totally different was causing their pain. Specifically, issues with sacroiliac joints, hips and other regions of the body can mimic pain which would also NOT require surgery.”

Dr. Rosenblatt continues, “I’m always trying to help a patient fully understand what is causing them a pain issue. This is usually pinpointed easily, diagnosed properly and then treated successfully without the need for any type of surgery.”

Avoiding surgery is our number one goal to help to treat a growing older and active community. At Dr. Rosenblatt’s beautiful freestanding interventional pain management building in Delray Beach, FL, he serves as the medical director and is board certified. Every patient is evaluated by Dr. Rosenblatt himself and a comprehensive

treatment plan is always tailor made for each individual. Patients are NOT seen by PA’s (physician assistants) or NP’s (nurse practitioners). You will see the doctor at each and every visit. Dr. Aaron Rosenblatt specializes in performing Interventional Pain Management procedures and also in the field of Physical Medicine and Rehabilitation. His knowledge encompasses each region of the body which can cause pain. He runs on time and does not make patients wait hours in his office to see him. He is not only a pleasure to talk to regarding pain issues, but also enjoys every day topics such as sports, movies, entertainment and current events. Please look forward to more articles about Dr. Aaron Rosenblatt and the vast number of procedures he performs to help people with all types of pain. His main focus is to help individuals avoid surgery, eliminate pain medications and to ultimately feel much better on a daily basis and enjoy life!

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# ISCHEMIC OPTIC NEUROPATHY

By Lauren R. Rosecan, M.D., Ph.D., F.A.C.S.



**I**schemic optic neuropathy (ION) is when blood does not flow properly to your eye's optic nerve, eventually causing lasting damage to this nerve. With ION, you suddenly lose your vision in one or both of your eyes.

The optic nerve carries signals from your eyes to the brain. Your brain then turns these signals into the images you see. When blood flow to the optic nerve is reduced or blocked, the nerve does not get enough oxygen or nutrition. The optic nerve stops working properly, and eventually dies.

ION can affect your central (detail) vision or side (peripheral) vision—or both. Because a damaged optic nerve cannot be fixed, any vision loss from ION is usually permanent. Usually, people with severe ION still have some peripheral vision.

## WHAT ARE SYMPTOMS OF ION?

If blood flow to your optic nerve is reduced, your vision will darken for a few seconds or minutes then return to normal. This is called a transient ischemic attack (TIA). This kind of attack can happen before ION begins. If you have TIA symptoms, call your ophthalmologist or primary care doctor right away. Finding and treating the problem as soon as possible can help prevent further vision loss from ION.

## WHO IS AT RISK FOR GETTING ION?

While anyone can get ION, you are more likely to develop it if you:

- are over 50 years old
- have high blood pressure
- have diabetes
- smoke cigarettes
- have clogged arteries
- have glaucoma
- have migraine headaches
- have swelling of arteries in the head (called temporal arteritis)

## ISCHEMIC OPTIC NEUROPATHY (ION) DIAGNOSIS

Your ophthalmologist will do an eye exam to look for warning signs of ION. He or she will dilate (widen) your pupils with eye drops and then check for swelling of the optic nerve and blood vessels in the back of your eye.

Your ophthalmologist may also test your side (peripheral) vision and measure the fluid pressure within your eye.

## ISCHEMIC OPTIC NEUROPATHY (ION) TREATMENT

If your ION is caused by swelling of arteries in your head (temporal arteritis), your ophthalmologist may have you take steroid (prednisone) pills. This medicine may prevent ION from developing in your other eye.

Your doctor may want to treat any other health problems you have that put you at risk for ION. He or she may prescribe medicine for high blood pressure, diabetes, clogged arteries, migraine headaches, or other health problems.

There is no treatment to improve vision loss from ION. However, your ophthalmologist may suggest useful materials and ways to help you see with low vision.



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**Lauren R. Rosecan**

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# All the Rage with Celebrities, The Vampire Facelift and Facial Can Give You Your Youthful Appearance Back



**A**s we age skin can become dull, lose elasticity and droop. There are of course surgical options and hyaluronic acid fillers, but the procedures that are topping everyone's wish list are the Vampire facelift and the vampire facial.

Naturally found in your blood, platelets are a rich source of proteins called growth factors, which promote healing and regeneration. Platelet-rich plasma (PRP) contains a higher concentration of platelets than the amount normally found in your blood. To create PRP a sample of your blood is drawn and placed in a centrifuge, which separates out the platelets. These concentrated platelets are recombined with your blood plasma to make PRP. Platelet Rich Plasma (PRP) is then re-injected into the problem areas.

PRP injections are an alternative to Botox and fillers. Platelet Rich Plasma is taken from the patient's own blood, spun down and reintroduced into the face just like a filler to create and stimulate your body's own growth factors. PRP produces collagen, hyaluronic acid, elastin, and plumps the skin. PRP injections with the vampire facelift maintain the facial contours of the natural look of the patient.

With just four to six PRP treatments over a two to four-week period, patients are seeing results that last for up to 2 years, so over the long-term, it's very cost effective and 100% safe. You don't have to be concerned about toxins or chemicals with your own PRP.

## Vampire Facelift

For the "facelift", the PRP is injected into various areas of the face to create a plumping effect. The procedure is safe because it's utilizing the patient's own blood and it's free of toxins. The body begins to "repair" itself and regenerates collagen, elastin and healing properties, which create a youthful appearance.

## Vampire Facial

The facial works in much the same way as the "facelift", but with tiny perforations in the skin as opposed to injections. The tiny perforations allow the PRP to penetrate into the dermal layers, and the results continuously improve the glow of the skin within two to three months. Many patients report plumped skin, a brighter complexion and seeing less noticeable dark circles.

Bring out your inner beauty naturally. Your beauty will be revived with a natural face shape, increased collagen, smoother skin, increased blood flow, youthful glow, and a younger appearance.

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## P-Shot®

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## Vampire Breast Lift

The Vampire Breast Lift is a non-surgical way of enhancing the breasts, and giving them a lift, without causing the downtime and pain that implants or even a standard breast lift would involve. It can give fullness, lift and enhance cleavage.

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# **GAINSWave** **is a Revolutionary** **New Therapy** **that Treats** **Erectile Dysfunction (ED)**

#### **WHAT CAUSES ED?**

As men age, the vessels in the penis weaken, contract and fill with micro-plaque just as they do elsewhere in the body. This prohibits men from achieving an erection or decreases the firmness of a man's erection. At the same time, the penis decreases in sensitivity, making it harder to achieve a pleasurable orgasm. Finally, the time necessary between orgasm and the ability to achieve an erection (the refractory time) increases. The bottom line is that most erectile dysfunction is a result of poor blood flow, known as vasculogenic ED.

#### **COMMON TREATMENT FOR ED:**

As many as 50% of men experience some form of ED by the age of 50. For many years men with ED have resorted to oral ED medications to relieve their symptoms. Oral medications for ED can be an effective temporary relief of the symptoms of ED, they don't target the root cause of most patients' ED, they can often bring unwanted side effects, and they can fail to work up to 50% of the time in some men.

Expensive oral medications such as Viagra and Cialis may cause unwanted side effects, such as nasal congestion, headaches, upset stomach, vision changes, facial flushing, and dizziness. They also have to be taken before intercourse limiting spontaneity. Finally, there are many men with cardiovascular disease who are not candidates for treatment with these medications.

Depending on the severity of ED, The Journal of Urology reported oral ED medications may only yield up to a 27% effective rate in those with severe ED. This leads patients with more severe ED to invasive treatments like penile injections, where medication is injected directly into the penis before intercourse. This again limits spontaneity and chronically drains the wallet.

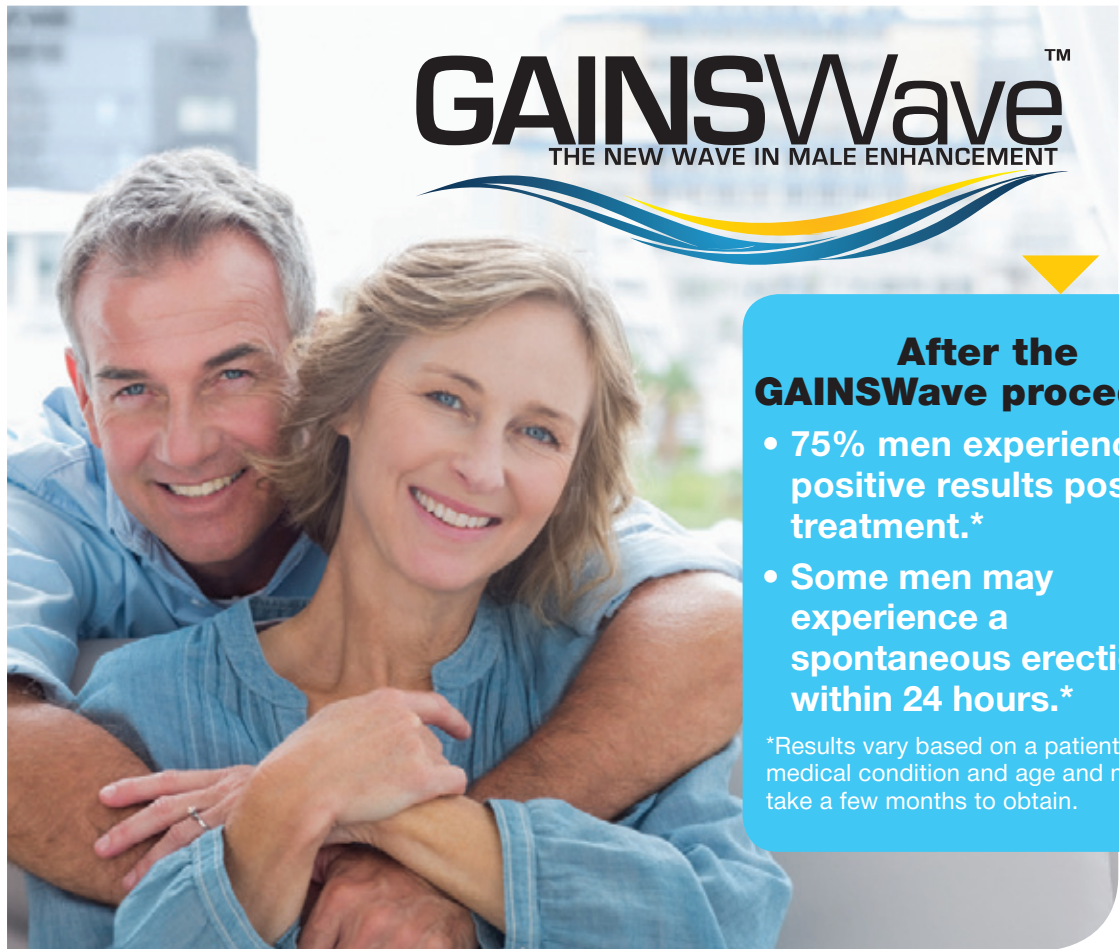
#### WHY MEDICATE WHEN YOU CAN CURE?

Introducing the only Erectile Dysfunction Treatment that treats the underlying cause of ED, GAINSWave is revolutionary, non-invasive and heals the underlying causes of ED. GAINSWave uses FDA-cleared, scientifically proven non-invasive technology that uses Acoustic Pressure Waves to stimulate cellular metabolism, enhance blood circulation and stimulate tissue regeneration creating new blood vessels in treated areas. GAINSWave is about regenerative medicine – helping men return to their younger, healthier selves, and enabling a spontaneous, active sex life.

#### SCIENTIFICALLY PROVEN RESULTS

There are over 40 clinical studies showing GAINSWave technology to be effective in treating ED. Patients are reporting great improvements to their sexual health, including:

- Longer lasting erections
- More Spontaneous erections
- Fuller Erections
- Relief from symptoms of Erectile Dysfunction and Peyronie's Disease
- Enhanced sensitivity
- Improved sexual performance
- Decreased recovery time between orgasms



#### After the GAINSWave procedure:

- 75% men experience positive results post treatment.\*
- Some men may experience a spontaneous erection within 24 hours.\*

\*Results vary based on a patient's medical condition and age and may take a few months to obtain.

#### IS IT SAFE?

Yes. This is an FDA cleared technology that originally developed in Europe and is used worldwide. GAINSWave uses state-of-the-art technology that has extensive applications including orthopedic medicine, urology, and anti-aging treatments and wound healing. While a specific indication for treating ED has not yet been granted, we know that it is only a matter of time given the extraordinary success. In clinical practice, over a 79% of the men who utilize this treatment report improvement in symptoms related to ED. We have even seen improvements in those men who have lost functioning after some forms of prostate surgery. GAINSWave has virtually no risks or side effects and no downtime. This therapy has been used extensively in Europe for over 10-15 years, but is relatively new to the U.S. for erectile dysfunction.

#### HOW TO GET STARTED

Dr. Erickson, takes on each case with individualized care. Return to the sexually confident and active man you were before suffering from erectile dysfunction. Some men in their 40's and early 50's even find it helpful for reinvigorating their sex life and improving their performance to levels they enjoyed in their 20's.

Contact Dr. Erickson for a private consultation today, **561-808-7205**.

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**75% of men with ED who have received the GAINSWave procedure saw a reversal of their condition, and gave up taking oral ED medications. Nearly 75% of men receiving GAINSWave have reported positive results and improved sexual performance. The majority of patients with ED reported an improvement of their condition and gave up taking oral ED medications.**



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# LIFE BEYOND A CANCER DIAGNOSIS

According to the American Cancer Society, there are an estimated 16 million cancer survivors in the U.S. today. If you are a survivor, you have come a long way since you were first diagnosed. With the help of your oncology team, your family and even your employer, there is a lot of promise in the coming years. Your life after cancer offers the prospect of years of good health, rewarding work and a happy and fulfilling future.

While the end of successful cancer treatment is a time for celebration, it can also mean new challenges for survivors. Milestones such as returning to work, managing emotional issues and the ongoing physical effects of cancer and treatment can also present unanticipated changes for both patients, as well as their families. The key to returning to a normal life after cancer treatment may be found in establishing new habits of diet and exercise or learning to cope with a range of emotional and physical challenges.

## Nutrition and Exercise

Cancer survivors typically should turn first to their care team for information and advice about nutrition, physical activity and dietary supplements to improve quality of life and long-term survival. In times past, doctors often advised patients to rest and reduce physical activity to avoid fatigue associated with cancer and treatment. If patients experience pain, shortness of breath or rapid heart rate, this is good advice. However, recent research indicates that exercise during and after treatment can be safe and beneficial. Your cancer team is the best resource for beginning or resuming a more active post-cancer lifestyle and they can refer patients and family caregivers to other professionals for a personalized post-treatment plan.

## Physical and Emotional Challenges

The aftereffects of chemotherapy, surgery or radiation therapy should not be underestimated. Pain, fatigue and nausea are not unusual. More serious conditions include anemia, lymphedema (a buildup of fluid in fatty tissues just beneath the skin) and even severe infections. For both men and women, cancer and cancer treatment can cause changes in fertility and side effects in sexuality. Your oncology team is trained to monitor and manage the short- and long-term effects of treatment, so it is important to discuss your concerns with your team and follow their instructions.



*Thanks to improved screenings and treatment options, today, many patients can look forward to many healthy and productive years after being diagnosed with cancer.*

The emotional side of cancer survivorship touches both patients and their families. The stress associated with a cancer diagnosis and the physical effects of treatment are often still fresh in memory. Survivors and their families can feel a complicated mixture of relief and worry about the future. Some people suffer episodes of anxiety and even depression. All these are matters to discuss with your oncology team, who can help you achieve balance or refer you to another appropriate professional, if needed.

## Healthcare After Cancer

In the rush to put cancer in the past, it is important to remember that the end of treatment doesn't mean the end of seeing your cancer team. Most often, long-term follow-up appointments and tests, followed by routine checkups and health screenings, will continue for many years. It is important to keep your follow-up appointments and undergo tests and screenings as recommended by your oncologist. While there is no absolute certainty that seeing your oncologist will prevent cancer from returning, it will help make sure that any recurrence is detected and treated early.

## World-Class Cancer Treatment Close to Home

Florida Cancer Specialists & Research Institute (FCS) has put together a network of expert, board-certified physicians who bring world-class cancer treatments to local communities, both large and small, across the state. With nearly 100 locations, FCS is the largest independent oncology/hematology group in the United States. That status puts the practice on the leading edge of clinical trial research and gives FCS physicians access to the newest, most innovative treatments.

Florida Cancer Specialists treats patients with all types of cancer, and offers a number of services, such as an in-house specialty pharmacy, an in-house pathology lab and financial counselors at every location, that deliver the most advanced and personalized care in your local community.



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# ALZHEIMER'S DISEASE:

## HOW ACUPUNCTURE AND FUNCTIONAL MEDICINE IS HELPING PATIENTS



By Maria Hidalgo-Thielen

**U**nfortunately, we all know someone that has been diagnosed or has a family member with Alzheimer's Disease (AD). More than 30 million Americans suffer from some type of dementia. It is estimated a total cost of \$290 billion dollars will go towards healthcare for AD and other dementias in the year of 2019. It is the sixth leading cause of death in the United States (<https://www.advisory.com/daily-briefing/2019/01/16/deaths>) and like other common chronic diseases; we know it develops as a result of multiple factors rather than a single cause. Fortunately, Alzheimer's disease is not a normal part of aging. Lifestyle modifications, acupuncture and functional medicine are proving to be an effective way to treat AD and other neurodegenerative diseases.

Acupuncture is a part of the whole medical system in Asian countries, having a history of over 2,500 years of effectively treating illness. The World Health Organization (WHO) has published guidance on the efficacy of acupuncture in the cure or relief of 64 different clinical conditions, such as dementia, stroke rehabilitation, parkinsonism, depression, chronic pain, headache, hemiplegia, nausea and vomiting, among others (WHO. *Acupuncture: Review and Analysis of Reports on Controlled Clinical Trials*. Geneva, Switzerland: World Health Organization Press; 2003). Promising findings about the effects of acupuncture/EA on stem cell mobilization and on progenitor cell proliferation in the central nervous system (CNS) is just one of the ways acupuncture has shown to have beneficial effects in several neurodegenerative diseases and has been proven to be a nondrug method for mobilizing stem cells in the CNS (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5530374/>)

Amyloid Precursor Protein (APP) is an integral membrane protein in many tissues and concentrated in the synapses of neurons. According to Alzheimer's Association: "Scientists don't yet know APP's function, but they've learned that day-to-day brain activity involves continuous "processing" of APP into shorter pieces. One of the brain's APP processing pathways produces beta-amyloid, a fragment that's the chief component of plaques and a prime suspect in Alzheimer's-related brain changes." What if Amyloid-beta buildup is a symptom of an underlying problem in the body that is triggering the chain of biological events and symptoms leading to Alzheimer's and other neurodegenerative conditions?



Conventional medicine is focusing on removing Amyloid-beta plaque buildup in the brain by using a bottom-level approach. Amyloid-beta is not the main problem. The Amyloid-beta build up is a symptom of an underlying problem in the body. It's the body's response to several factors impeding the health of an individual. Functional medicine offers a top-level approach where it addresses the underlying causes of the disease by addressing factors that include nutrient deficiencies, inflammation, toxin build up and overload on the system, pathogens, oxidative stress and/or atrophy. A course of treatment is to discover the root cause of the problem, remove or reduce the insults and improve health with lifestyle modifications, acupuncture and functional medicine.

There have been breakthroughs in early detection of Alzheimer's via blood test. It may be able to detect Alzheimer's 10 years before onset with 100% accuracy. The biomarker that is focused on is a protein in the brain called IRS-1 (Insulin Receptor Substrate). The National Institute on Aging conducted a study to show the efficacy of this blood test where they collected blood samples from 174 participants, 70 having Alzheimer's, 20 having diabetes and 84 were healthy (<https://www.fasebj.org/doi/abs/10.1096/fj.14-262048>).

After discovering these biomarkers what does an individual do? Where does a person go from there? How can someone take care of their brain in a way that prevents neurodegeneration from setting in? This is the challenge that people are

faced with and may not know where to turn to find accurate information on treatment options.

An individual can begin their journey by getting comprehensive blood tests administered by a functional medicine practitioner. Some examples of the blood tests are: to determine if there is a toxic overload in the system by testing heavy metals, pesticides, chemical exposure and antimicrobials; to determine if there is insulin resistance which can cause inflammation in the brain; to determine if there are pathogens present; to determine if a hormone imbalance exist and if the thyroid is functioning properly.

After the blood tests are complete, a treatment protocol is created to address each issue to optimize health and achieve the greatest possible outcome. Each individual will have their unique treatment regimen.

For more information on treatment options please schedule a free consultation with the clinic at **561-533-7475** or visit the website at **[www.palmbeachacu.com](http://www.palmbeachacu.com)**



**Chas Gantt L. AP** is board certified by The National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM®), Functional Medicine Practitioner, Board Certified Herbalist, Injection Therapy Certified and State Licensed. He has learned and apprenticed under renowned physicians and master acupuncturists in the United States, Europe and Asia.

Palm Beach Acupuncture (PBA) is a family-run acupuncture and integrative medical clinic in Lake Worth, Florida. Their mission is to partner with you on your way to enhance, regain and maintain optimum health and vitality. By utilizing a functional medicine approach and combining Japanese and Chinese acupuncture techniques, cupping therapy, moxibustion, clinical nutrition and herbal medicine, PBA's aim is to provide a road map to successful outcomes that complement the diagnosis and care of standard medicine.

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**PALM BEACH  
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# WHAT IS THE DIFFERENCE BETWEEN THC AND CBD?

TETRAHYDROCANNABINOL (THC) and CANNABIDIOL (CBD) are the two primary cannabinoids that occur naturally in the Cannabis sativa plant, most commonly known as cannabis.

Both of these substances interact with the cannabinoid receptors found in the human body and brain, but they differed dramatically in their effects.

CBD is non-psychoactive which means that it will not get the user high. Because of this trait, CBD appears more frequently than THC in dietary and natural supplements.

## What is THC?

THC is the main psychoactive component of the cannabis plant. In other words, THC is the primary agent responsible for creating the ‘high’ associated with recreational cannabis use.

This compound works, in part, by mimicking the effects of anandamide and 2-AG. These neurotransmitters are produced naturally by the human body and help to modulate sleeping and eating habits, the perception of pain, and countless other bodily functions.

### The effects of THC include:

- Relaxation
- Altered senses of sight, smell, and hearing
- Fatigue
- Hunger
- Reduced aggression

## What is CBD?

Cannabidiol is one of the most critical cannabinoids contained in the cannabis plant. It exists both in agricultural hemp, as well as medical cannabis. While cannabinoids are present within several plants in nature, cannabis is the only plant known to contain CBD.

CBD has the same chemical formula as THC, with the atoms in a different arrangement.

This slight variance causes THC to create a psychoactive effect, while CBD does not. This fact means that when you ingest CBD for medical purposes, you will more likely experience a relief of your unwanted discomfort, with little or no noticeable effect on your cognitive abilities.



## THC

CC(=C)C1=C(C(=C(C=C1)C)C)C

**Medical benefits:**


- eases pain
- helps with relaxation
- suppresses pain from nerve damage
- reduces risk of nerve damages
- suppresses muscle spasms and convulsions

## CBD

CC1=C(C(=C(C=C1)C)C)C

**Medical benefits:**

- reduces Dravet seizure
- kills breast cancer cells
- stimulates bone growth
- stops inflammation
- anti-inflammatory properties
- anti-oxidant properties
- anti-psychotic



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# HEMP OIL

VS

# CANNABIS OIL

**The difference between CBD from Hemp and CBD from Cannabis strains**

## HEMP OIL

**PRODUCT:** Hemp bi-product.

**LABELS:** Must state that is made from hemp.

**TESTING:** Due to lax testing outside the U.S. products may be highly contaminated.

**INGREDIENTS:** GMO's, tranfats & additives

**EXTRACTION:** BHO, propane, hexane or hydrocarbons.

**HEMP:**

## CANNABIS OIL

**PRODUCT:** High level CBD. For maximum therapeutic impact, choose both CBD and THC product.

**LABELS:** Show ratio of CBD/THC, a manufacturing date and batch number.

**TESTING:** Tested for consistency.

**INGREDIENTS:** No corn syrup, GMO's, tranfats or additives.

**EXTRACTION:** Non-toxic, supercritical CO2.

**CANNABIS:**





# TREATING ANXIETY AND DEPRESSION

By Renee Chillcott, LMHC

It's summertime, everyone is healthy and happy, I have nothing to complain about and life is good....right? Then why do I have this anxious, stressed out, overwhelmed, impending doom, depressed feeling? Do I have depression or anxiety or both? Why do depression and anxiety go hand in hand? And what can I do to make it go away?

The Merriam-Webster Dictionary defines **anxiety**: (1): apprehensive uneasiness or nervousness usually over an impending or anticipated ill: a state of being anxious (2): an abnormal and overwhelming sense of apprehension and fear often marked by physical signs (such as tension, sweating, and increased pulse rate), by doubt concerning the reality and nature of the threat, and by self-doubt about one's capacity to cope with it: mentally distressing concern or interest.

So, in layman's terms, anxiety is stress that won't go away, it takes an ugly turn to "negative and fear town", and indicates that the "rest and relax" response from the parasympathetic nervous system isn't there.

What we see in the brain is similar but a little more simply stated. Stress is an event in our life that causes our brain to initiate a calming response and anxiety is a neuron pattern in the brain that impedes the calming response. An anxiety pattern in the brain is typically inherited, although still possible to change. This anxiety pattern can be triggered by major stresses, no stresses or by very minor stresses, thus making it an issue for all ages, even young children.

## Anxiety manifests in many different ways such as:

- excessive worrying
- nagging sense of fear
- restlessness
- overly emotional
- negative thinking
- catastrophizing
- defensiveness
- poor sleep
- irritability
- Lack of concentration
- feeling overwhelmed
- fatigue/exhaustion

**Depression** as defined by the American Psychiatric Association is a common and serious illness that negatively affects how you feel, the way you think and how you act. Depression causes feelings of sadness and/or a loss of interest in activities once enjoyed. It can lead to a variety of emotional and physical problems and can decrease a person's ability to function at work and at home.

Often, we will describe depression as a "low" feeling where we just cannot "get happy". Other times we notice feeling irritable, angry, or overreacting to events, again not able to feel "happy".

## Depression symptoms can vary from mild to severe and can include:

- Feeling sad or having a depressed mood
- Loss of interest or pleasure in activities once enjoyed
- Changes in appetite — weight loss or gain unrelated to dieting
- Trouble sleeping or sleeping too much
- Loss of energy or increased fatigue
- Increase in purposeless physical activity (e.g., hand-wringing or pacing) or slowed movements and speech (actions observable by others)
- Feeling worthless or guilty
- Difficulty thinking, concentrating or making decisions
- Thoughts of death or suicide

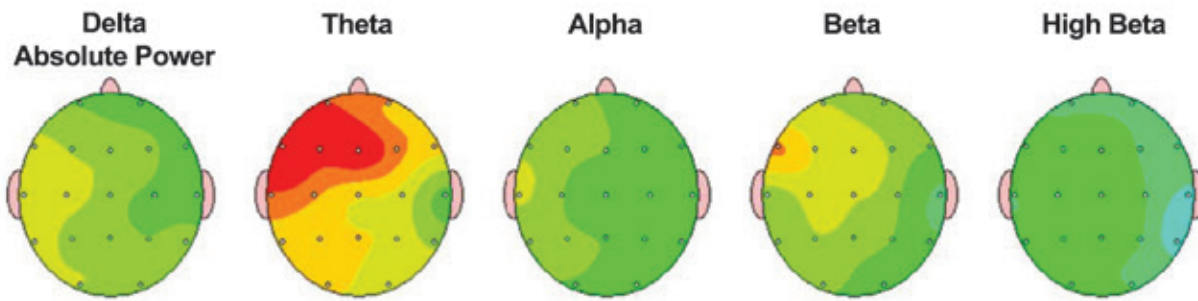
As you can see, there is an overlap in the diagnosis of Depression and Anxiety because there is an overlap in the symptoms of Anxiety and Depression as well as an overlap in how you feel.

The medical solution to feeling depressed and anxious is to take medication. Specifically, an anti-depressant, which in some cases can relieve symptoms of anxiety as well as depression. But medication is only a temporary solution. We now need to find out what CAUSES my symptoms of anxiety and depression.

In **Neurofeedback** we can see this in neuron firing patterns. For example, an excessive Theta (Slow firing neurons) firing pattern in the left frontal lobe can cause major depression:

Where as a slow firing pattern in the center of the frontal lobe can cause an anxiety firing pattern:

**Here's a DEPRESSION example:**



It is suffice to say that this is why there's an overlap in medication treatment as well.

Regardless of the diagnosis, Neurofeedback helps change and balance these neuron patterns so that the symptoms improve and the brain and body function better.

### WHAT IS NEUROFEEDBACK?

Neurofeedback, also known as EEG biofeedback, has been studied and practiced since the late 60's. Neurofeedback is a type of exercise for your brain. It allows you to see the frequencies produced by different parts of your brain in real-time and then through visual and auditory feedback, teaches the brain to better regulate itself. Neurofeedback can be used to help detect, stimulate, and/or inhibit activity in the brain safely and without medication. It can help restore a wider "range of motion" in brain states, much like physical therapy does for the body.

While the client sits comfortably watching a movie or pictures appear on the screen (a calm and focused state), the EEG equipment measures the frequency or speed at which electrical activity moves in the areas where electrodes have been placed. This information is sent to the therapist's computer. The therapist is then able to determine what frequencies are out of balance. For example, when the EEG shows that you are making too many "slow" or "sleepy" waves (delta/theta) or too many "fast" waves (high beta), the therapist adjusts a reward band to encourage more balanced activity. This encouragement or "reward" happens through visual recognition of the changes on the screen and the auditory reinforcement of "beeps".

### WHAT RESULTS SHOULD I EXPECT TO SEE AND HOW LONG BEFORE I SEE THEM?

As every brain is different, every response is different as well. Typically adults will notice feeling symptom relief within 10 sessions and notice things like being calmer, happier, sleeping better, less panic, less worrying, more relaxed and able to enjoy life. Treatments are individualized and as no two brains are alike, no two treatment

plans are alike. We will evaluate your symptoms and how your brain is functioning to customize training for you. All you have to do is call our office to make the appointment!

### WHAT ELSE COULD I DO TO FIGURE OUT THE CAUSE?

- **COUNSELING**

Mental health counseling can open up a world of exploration when it comes to anxiety and depression. How we cope, the connections we make, and our past trauma can all contribute to the current state functioning and feeling that we are experiencing. There is no "right or wrong" way to benefit from counseling. Rather, it's all about the "fit" and needs of our clients. At The Brain and Wellness Center we offer many different options and techniques of counseling to fit those needs. Different counseling styles and approaches for individual clients of all ages, couples and families; make us a unique and inviting place to heal and grow. Our therapists offer additional services such as EMDR, Play therapy, Cognitive Behavioral Therapy, Talk Therapy, and Couples and Family therapy.

- **NUTRITION**

Lately, there has been more attention paid to the "gut-brain" connection. We see that malabsorption, slow metabolism, toxic metals, yeast, auto-immune disease, and inflammation are just a few of the conditions that exacerbate or cause mood changes. And these can occur from eating healthy foods such as broccoli or kale. Everyone's body is working at a unique level and what may be beneficial or healthy for one person, can cause stomach upset and anxiety for another. At The Brain and Wellness Center, we offer services that measure the mineral content in your hair. With this information, a world of metabolic events can be interpreted. Not only can your nutritional status be viewed but we can also learn much about how efficiently your body is working. We can detect toxic metals, mineral and element imbalances, metabolism rates and absorption issues, as well as profiles including but not limited to hypoglycemia and candidiasis.

### HOW DO I GET STARTED?

Getting started is easy, just give us a call. The Brain and Wellness Center staff will answer all of your questions, and help you get scheduled. If you are wondering what services are best for you? We can help determine that at the time of the intake, in a telephone consultation, or you can schedule a face to face consultation and see our facility. Call, email or message us today! Brain and Wellness Center, 7301 W. Palmetto Park Rd., Suite 102A, Boca Raton, FL 33433. **(561) 206-2706**, e-mail us at [info@bocabraincenter.com](mailto:info@bocabraincenter.com), or text us at **(561) 206-2706** or visit our website at [www.BocaBrainCenter.com](http://www.BocaBrainCenter.com).



**Renee Chillcott, LMHC**

Renee Chillcott is a Licensed Mental Health Counselor that has been practicing Neurofeedback training since 2005. Renee holds a BA degree from The University of Central Florida and a Master's Degree in Psychology from Nova Southeastern University. She is a Licensed Mental Health Counselor and is the owner/operator of The Brain and Wellness Center, located in Boca Raton. At The Brain and Wellness Center, adults, teens, children and families enjoy a variety of services from multiple providers. Neurofeedback, Brain Mapping, Acupuncture, Nutritional Counseling, Learning Programs, and counseling are among a few of the services offered.



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# REJUVAnation™ – Amniotic and Umbilical Cord STEM CELL therapy CURE Peyronie's Disease STOP the Pain – Don't Operate REGENERATE Get Your Life Back with Stem Cell Therapy

**R**EJUVAnation Medical Center is a leader and pioneer in the field of regenerative medicine and a R3 Stem cell clinic, a national leader in stem cell therapy. Amniotic and Umbilical Cord Stem Cell therapy has been used hundreds of thousands of times worldwide for regeneration and repair of body tissue. Stem cell therapy, from FDA regulated and approved biological labs, takes advantage of your own body's ability to repair itself naturally.



REJUVAnation Medical Center regenerative therapy is so exceptional because:

- Combines Amniotic and Umbilical Cord Stem Cells, PRP Platelet Rich Plasma and RejuvaWAVE®
- Has live stem cells from FDA regulated labs for safety which is our utmost priority
- No need to harvest anything from patients
- No rejection issues and no ethical concerns
- Very safe and studies show excellent outcomes

**SAFE  
CLINICALLY EFFECTIVE  
NO REJECTION  
NO SURGERY**

#### WHAT IS A STEM CELL?

Stem Cells are undifferentiated biological cell types obtained from the amniotic fluid and amniotic membranes or from the umbilical cord that can

differentiate into various cell types that can help your body repair, regenerative and restore your health and vitality.

#### Potential Benefits of REJUVAnation Stem Cell Procedures?

- CURE Peyronie's disease. No Pills, No Needles, No surgery. Enjoy a spontaneous sex life again.
- Walk, run, golf and swim again PAIN FREE. Stop the pain, don't operate.
- Avoid knee replacement surgery.
- Alleviate the pain and inflammation of degenerative arthritis.
- Stop the progression of neuropathy and future damage.
- Sports injuries, tendonitis – optimize and speed up healing.
- COPD
- Kidney Failure
- Chronic conditions and autoimmune diseases
- Help heal chronic skin conditions and wound healing.
- Regrow your OWN hair without surgery
- Anti-aging: look and feel younger and reduce wrinkles. "Stem cell facelift"

#### CURE PEYRONIE'S: Instead of medicating CURE with RejuvaWAVE®

Simply Men's Health at REJUVAnation Medical Center revolutionized the field of men's sexual health by introducing and developing the ground breaking RejuvaWAVE® and RejuvaEnhancement™ Procedure to help reverse the inevitable aging process and treat Peyronie's disease.

Simply Men's Health REJUVAnation Medical Center has revolutionized the standard of care by introducing the only treatment that CURES Peyronie's disease RejuvaWAVE® is revolutionary,



### RejuvaWAVE® only available at Simply Men's Health

- 100% SAFE
- Non-invasive
- No Down Time
- No Side Effects
- 10-15 minutes per session
- Over 80% Patient Satisfaction

non-invasive, and HEALS the underlying cause of Peyronie's. RejuvaWAVE® uses FDA-cleared, scientifically proven technology of Acoustic Pressure Waves to stimulate cellular metabolism, reduce plaque build-up, enhance blood circulation and to stimulate tissue regeneration, which creates new blood vessels in treated areas. Traditional Peyronie's treatments lose effectiveness over time and have to be used every time a man wants to perform. Simply Men's Health RejuvaWAVE® treatment is about regenerative medicine and treating and curing the underlying cause of Peyronie's with regenerative medicine. Regenerative medicine shifts the body into a healing and restoration state and helps men return to their younger healthier selves and to enjoy life again!

Enjoy a SPONTANEOUS & ACTIVE SEX LIFE again in as little as 3 weeks – no pills, no needles, no surgery!

### Is RejuvaWAVE® SAFE?

Yes. RejuvaWAVE® is an FDA cleared technology, originally developed in Europe and used world-wide. RejuvaWAVE® uses state-of-the-art technology that has extensive applications including orthopedic medicine, urology and anti-aging. RejuvaWAVE® has virtually no risk and no side effects. Although acoustic pressure wave technology has been used for over 15 years to treat Peyronie's in Europe, it is relatively new to the United States for the disorder. As the leader in men's sexual health, Simply Men's Health introduced this technology in the spring of 2015, and the results have been nothing short of amazing.

### STEM CELLS for Peyronie's: RejuvaEnhancement™ Procedure?

RejuvaWAVE® stimulates your body's own healing response and creates new blood vessels and regenerates tissue in the area treated. The RejuvaEnhancement™ Procedure combines the growth factors and stem cells from your own body with live, cryogenically -preserved multipotent stem cells and hundreds of growth factors and cytokines derived from human placenta, amniotic and umbilical cord tissues which activate your own body's stem cells. In addition, LIVE multipotent stem cells and fibroblasts in this allograft promote cell repair and tissue regeneration working synergistically with and magnifying the effects of RejuvaWAVE® to restore patients to their younger healthier selves. Rather than relying on oral medications or injections as a temporary fix before each sexual activity, patients enjoy can enjoy a spontaneous and active sex life again. Also , this procedure can increase both the length and girth of the penis by up to one inch.

### THE POWER OF STEM CELLS?

Stem cells have the potential to differentiate into many different types of cells and can serve as an internal repair system, which can replace damaged or worn out tissue. Multipotent stem cells, derived from amniotic-placental tissue and umbilical cord have virtually unlimited potential to become any type of cell in the body. Adult stem cells derived from either bone marrow or fat cells are limited to the type of cells they can develop into. In addition, as one ages the quantity and the quality of stem cells obtained from bone marrow and fat drops exponentially and 80% of the stem cells derived from fat die within two days.

### ARE THE REJUVANATION AMNIOTIC AND UMBILICAL CORD STEM CELL PROCEDURES SAFE?

Yes. The cryogenically preserved amniotic and umbilical tissue has a many year history with no



reported recipient rejections since these tissues are immune-privileged and do not express HLA type antibodies.

The tissues are obtained only from live, healthy births. NO EMBRYONIC TISSUES OR NO TISSUE FROM ABORTED FETUSES ARE EVER USED. The amniotic and umbilical cord tissue is obtained through aseptic recovery techniques during a planned Caesarian section of full-term deliveries from a healthy woman aged 18-35 who have been prescreened according to the FDA and American

Association of Tissue Banks guidelines for infectious disease and have undergone extensive testing and screening.

### HOW TO GET STARTED?

REJUVAnation Medical Center and Simply Men's Health are dedicated to providing cutting-edge, minimally invasive methods to STOP and reverse the effects of the aging process and help your body to repair, regenerate, restore and heal itself. We see incredible results and can help you regain your vitality.

## WHAT OUR PATIENTS ARE SAYING:

**Testimonial:** "I am celebrating my second anniversary since being treated at Simply Men's Health and I am maintaining the high level of performance I achieved with RejuvaWAVE® treatment. My spontaneity and stamina is back and my frustration and performance anxiety that goes along with it is gone. I am performing like I did decades ago. It's like magic! There are a lot of copycats out there, but Simply Men's Health was the first to provide this treatment and they are the best!" – Steve, Wellington

**Testimonial:** "I'm a 70 year old widow and have had ED for over twenty years. Unexpectedly, I met a wonderful lady and when we wanted to take our relationship to the next level, I couldn't perform. I came to Simply Men's Health and after several months I started to notice improvements... and after about six months ED is no longer a problem. I have sex regularly without any pills or needles." – Joseph, M

**Testimonial:** "I am in my 70's and have diabetes, high cholesterol, and had prostate removed for cancer several years ago. I had tried everything, and thought my sex life was over. I have been coming to Simply Men's Health for about six months, and the results have been amazing. They have restored my ability to enjoy a spontaneous sex life again. The RejuvaWAVE® and RejuvaEnhancement™ Stem cell procedures are remarkable. I feel like Superman." – E.M.

**Testimonial:** "I have chronic renal failure and diabetes and am on dialysis and suffer from chronic symptoms and knee pains. I had IV stem cells treatment and I noticed a difference right away in my wound healing and my knee pain was gone." – Joshua

**Testimonial:** "I have been suffering from degenerative arthritis and was getting steroid injections for knee pain which didn't help much or for long. Several months ago, I had stem cell injections for my knees. The procedure was quite painless and after a month or so I notice remarkable improvements. I can walk pain free." – John M.

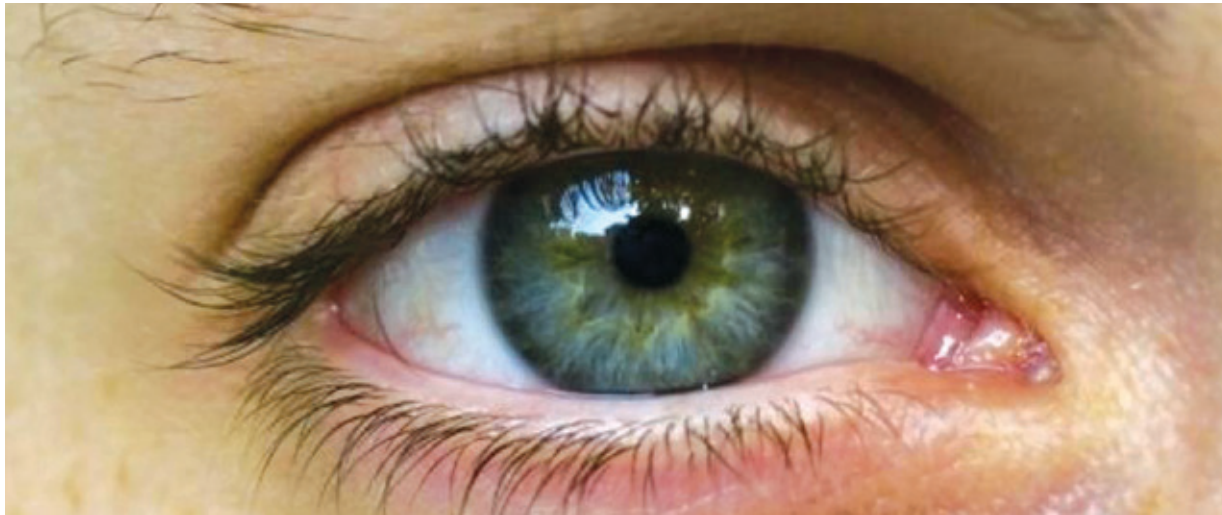


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# THE CORNEA

By David A. Goldman MD



**A**lthough people may have heard the word ‘cornea’ in reference to the eye, many are unaware of what it really refers to. While diseases such as glaucoma and macular degeneration affect the back of the eye, the cornea is in the front of the eye.

In fact, the cornea is the most anterior structure of the eye. It is the clear part responsible for much of the focusing of light waves which enter the eye. When patients place contact lenses on their eye, they are placing them on their corneas. When patients develop an abrasion (scratch) or infectious ulcer of the eye, it is typically in the cornea.

The cornea consists of several layers, but it is simplest to break it down into three: epithelium,

stroma, and endothelium. The epithelium is the superficial outer layer of cells. When a scratch occurs on the cornea, the epithelium acts quickly to fill in the scratch. In cases of severe dry eye, tiny dried out “holes” can also appear in the epithelium.

The stroma is the central portion of the cornea, and comprises the bulk of it. It provides the majority of structural support to the cornea. When patients undergo LASIK surgery, it is the stroma that is affected. In LASIK, a laser creates a flap within the stroma. That flap is then lifted and a laser then reshapes the cornea under the flap. For patients who are myopic (nearsighted), the laser flattens the center of the cornea. For patients who are hyperopic (farsighted), the laser removes tissue in a circular pattern to steepen the cornea. The endothelium is

the most posterior layer of the cornea. Consisting of a layer of cells, these endothelial cells work as microscopic pumps to pump fluid out of the cornea to keep it clear. As we age the number of endothelial cells decline. Typically this is asymptomatic. In conditions such as Fuchs Dystrophy, however, patients are born with a lower number of endothelial cells and at some point may require surgery. Fortunately, the surgical options have improved greatly – less than ten years ago a new procedure was developed called DSAEK. In the past, corneal swelling which did not respond to topical eye drops required a full thickness corneal transplant. With the DSAEK procedure, solely the posterior layer of cells is transplanted. With this newer technique, vision can be restored in weeks instead of months.

This is not to say that a full thickness corneal transplant does not have its place in eye care. Conditions such as keratoconus, where the cornea becomes irregularly cone shaped, and scars of the cornea can significantly limit visual acuity. In these cases, replacing all layers of the cornea can work well to restore vision. In many cases, laser vision correction can be performed over a corneal transplant so that the patient can see well without glasses.

While problems of the cornea, whether inherited or environmental, can significantly disturb vision, there are multiple procedures available to improve vision. As opposed to posterior eye pathology such as glaucoma and macular degeneration, the overwhelming majority of vision problems related to the cornea can be fixed.



DAVID A. GOLDMAN

Prior to founding his own private practice, Dr. David A. Goldman served as Assistant Professor of Clinical Ophthalmology at the Bascom Palmer Eye Institute in Palm Beach Gardens. Within the first of his five years of employment there, Dr. Goldman quickly became the highest volume surgeon. He has been recognized as one of the top 250 US surgeons by Premier Surgeon, as well as being awarded a Best Doctor and Top Ophthalmologist.

Dr. Goldman received his Bachelor of Arts cum laude and with distinction in all subjects from Cornell University and Doctor of Medicine with distinction in research from the Tufts School of Medicine. This

was followed by a medical internship at Mt. Sinai – Cabrini Medical Center in New York City. He then completed his residency and cornea fellowship at the Bascom Palmer Eye Institute in Miami, Florida. Throughout his training, he received multiple awards including 2<sup>nd</sup> place in the American College of Eye Surgeons Bloomberg memorial national cataract competition, nomination for the Ophthalmology Times writer’s award program, 2006 Paul Kayser International Scholar, and the American Society of Cataract and Refractive Surgery (ASCRS) research award in 2005, 2006, and 2007. Dr. Goldman currently serves as councilor from ASCRS to the American Academy of Ophthalmology. In addition to serving

as an examiner for board certification, Dr. Goldman also serves on committees to revise maintenance of certification exams for current ophthalmologists.

Dr. Goldman’s clinical practice encompasses medical, refractive, and non-refractive surgical diseases of the cornea, anterior segment, and lens. This includes, but is not limited to, corneal transplantation, microincisional cataract surgery, and LASIK. His research interests include advances in cataract and refractive technology, dry eye management, and internet applications of ophthalmology.

Dr. Goldman speaks English and Spanish.

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# IT'S HOT EVERYWHERE IN JULY

Brent Myers



**H**ave you noticed that Summer has arrived? If you haven't, just wait, you will. This is how I can usually tell that our wonderful south Florida Summer has come: when I bathe, get dressed, walk outside the house thirty feet to my car and when I get in – I feel like someone has rubbed a glazed doughnut all over my face.

Is it just me? I doubt it.

But don't misunderstand my description for complaining. Several years ago I learned a very valuable lesson that has had a profound spiritual impact on my life. There was a July Summer day that I was grumbling about how hot and humid it was and wondering aloud how nice it must be in another part of the country. At that moment, a wise man looked at me and said, "Brent... it's hot *everywhere* in July."

Wow!! Simple, but so true!

He wasn't providing a meteorological analysis of the climate zones of the United States, but instead he was telling me: "Be content."

Too many times in our lives we look at our circumstances and wish things were better – or at least different. But spiritually speaking, we need to learn to be content with the life that God has given us – even if it stinks (for right now.)

St. Paul wrote these words: *"I am not saying this because I am in need, for I have learned to be content whatever the circumstances. I know what it is to be in need, and I know what it is to have plenty. I have learned the secret of being content in any and every situation, whether well fed or hungry, whether living in plenty or in want."* (Philippians 4:11-12)

Paul was sharing the reality of his life – that he had learned to be content. Whether he was poor or rich – regardless of the circumstances of his life – he was content. Oh, and just for a frame of reference... Paul wrote these words while in prison in ancient Rome!

But before we say to ourselves, "Well, that was the great St. Paul and I could never do that." Let's read a bit further: *"I can do all this through him who gives me strength."* (Philippians 4:13) Do you see that?! Paul couldn't do it on his own either!! He understood that his contentment in life – even in prison – came because Jesus Christ enabled him to deal with it.

So the next time life gives you a bad turn or the next time you find yourself complaining... seek to be content. Try to find the reality of the situation you are in – that God is doing something for a bigger purpose than yourself and He will get you through it. Learn to be content.

Socrates is credited with saying: "He who is not contented with what he has, would not be contented with what he would like to have."

Why? Because it's hot everywhere in July.

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## Optimism. A powerful element in fighting cancer.

Marissa Lenney was diagnosed with stage 3 inflammatory breast cancer five weeks after her daughter, Adrianna, was born. Marissa's family rallied around her as the doctors at Florida Cancer Specialists started her treatment less than 24 hours after her diagnosis. Being treated just 15 minutes from home allowed Marissa to soak up as many mom moments as she could. Florida Cancer Specialists' quick response and her family's support helped Marissa picture a future where she could be with her daughter.

*"By getting treated locally at Florida Cancer Specialists, I was able to spend more time with the people who matter most — my family."*

*Marissa*

*-Marissa Lenney, Patient & Breast Cancer Fighter*

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