



# THE HEALING POWER OF THE INVISIBLE CALCIUM ION

**When it comes to your health and healing, the invisible is the most powerful.**

It is a well known fact that CIT – Calcium Ion Therapy increases stem cells, stimulates tissue repair, resets DNA, repairs metabolic processes, heightens brain clarity, and supports the reset of your microbiome. All of these processes are dependent on calcium ion balance. Calcium ions are the most important molecule within the human body and are involved in over 100,000 metabolic processes. And, just like fasting CIT, otherwise, calcium ion therapy activates stem cells, which unleashes the body's ultimate healing power!

Maintaining calcium ion balance in the body is critical; as we grow older, we start to lose calcium from our bones thus calcifying our body at the cellular level. As a result, mitochondrial function is damaged which causes oxidative stress, damages cellular function and, most importantly, interferes with healthy calcium signaling, which is responsible for almost all cellular communication within the body. When we do not have calcium ion homeostasis... or balance, our cells receive the wrong signals, which lead to aging, calcification of the body, and even diseases such

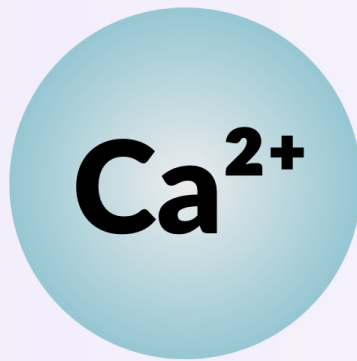
as cancer. Also without proper Calcium Ion homeostasis, your blood stream will be under constant attack, which undermines your body's immune system.

Doc of Detox Calcium Ion Therapy is one of the greatest scientific nutritional breakthroughs in the last 75 years. When combined with the Perfect Day Lifestyle, it is like attaching a rocket ship to your metabolism, which reverses the hands of time! Let's be honest, the majority of the population have immune systems that are compromised because of today's toxic environment and lifestyle choices.

In 2009, Dr. Paul Lee invented Calcium Ion Therapy, in an effort to make a better bio-available calcium to support his friend with his recovery from the final stages of prostate cancer with colon metastasis. After Dr. Lee's friend recovered solely by engaging in Doc of Detox Calcium Ion Therapy, intensive research began leading to the discovery that Calcium Ion Therapy has a profoundly positive effect on many degenerative diseases including: osteoporosis, autoimmune diseases, cancer, Parkinson's disease, and arthritis, among others.

Calcium ions play the most important role in your body; as I stated earlier, they are involved in over 100,000 metabolic processes and are also involved in regulating the function of other mineral's in our body. It is the only physiologically active form of calcium that absolutely requires no effort or energy from the human body, which is very important for those who have autoimmune diseases and life threatening illnesses due to the lack of energy to heal. Calcium ions are important for muscle and heart contraction, building bone and teeth, blood clotting, stem cell regulation, neurotransmitter function, hormone secretion, enzyme activation, optimal immune function, cell function, and DNA replication. To perform all of these processes, it is important to have the perfect amount of calcium ion concentration extracellularly and intracellularly, otherwise the communication within the body breaks down and when communication breaks down, everything breaks down. This communication breakdown is what happens to everybody as we age; we lose calcium ion balance within our body.

## FUNCTIONS OF $Ca^{2+}$ IN OUR BODIES

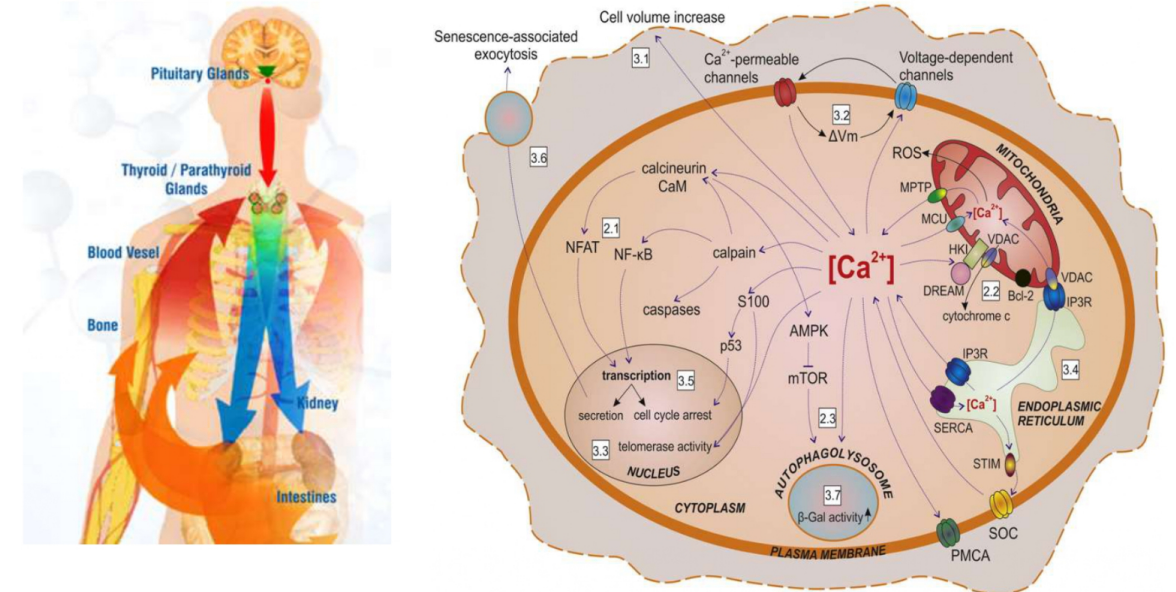


- MUSCLE AND HEART CONTRACTION
- BONE AND TEETH / BLOOD CLOTTING
- STEM CELL REGULATION
- NEUROTRANSMITTER / SECOND MESSENGER
- HORMONE SECRETION / ENZYME ACTIVATION
- IMMUNE SYSTEM / CELL MEMBRANE STABILITY
- CELL FUNCTIONS AND DNA REPLICATION

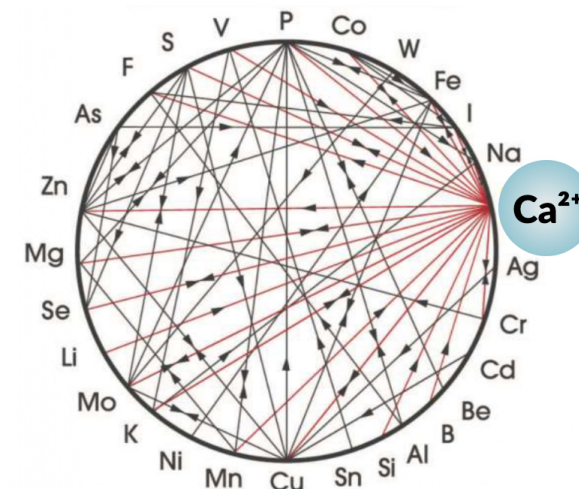
$Ca^{2+}$  IS ONLY PHYSIOLOGICALLY ACTIVE CALCIUM

Loss of calcium ion homeostasis, otherwise balance, is what astronauts that live on the space station experience. On average, during a six-month stay, astronauts lose 14 to 30 percent of their bone density. This bone loss is not due to a diet lacking calcium; it is due to a lack of gravity in space whereby astronaut's bones are not stressed. When bones are not stressed and challenged, the calcium going into your body's system is not being fully utilized as calcium ions. The calcium is going in as protein-bound calcium and all protein-bound calcium is not physiologically active; protein-bound calcium has to be converted to calcium ions.

## MANY FUNCTIONS OF $Ca^{2+}$



## CALCIUM-MINERAL INTERACTION



CALCIUM PLAYS A SIGNIFICANT AND LEADING ROLE IN REGULATING OTHER MINERAL'S FUNCTIONS IN OUR BODY.

# ASTRONAUTS GET OSTEOPOROSIS IN 6 MONTHS



A SURVEY OF 13 SPACE STATION ASTRONAUTS FOUND THAT THEIR **BONE STRENGTH DIPPED BY AT LEAST 14%** ON THE AVERAGE DURING THEIR HALF-YEAR STAYS ABOARD THE ORBITING LABORATORY.

**THREE OF THE ASTRONAUTS LOST UP TO 30% OF THEIR BONE STRENGTH DURING THEIR SPACEFLIGHTS.**

When we age and become less active, we experience a situation similar to that of the astronauts; without putting stress on our bones by exercising regularly, we cannot use the protein-bound calcium properly and we experience bone loss. Also, with the added stresses of everyday life and unhealthy food choices such as processed foods that most of the population eats today creates an acidic environment not just in our body but in our blood stream as well. This excess acidity creates an environment where our body is actually using precious calcium ions to buffer down the acidity; our body reaches out to our bones – breaks down our bones – to get those much needed calcium ions – to balance the body's pH. This comes at a heavy price because once the calcium ions are pulled from the bones, our body goes into calcification mode. This means that all the calcium that is being pulled from our bones ends up calcifying our muscles, joints and organs; the body is storing the excess calcium ions at the cellular level, which causes oxidative stress, mitochondrial dysfunction and disrupts calcium signaling. (slide Ionic Calcium Deficiency)

Calcium taken in from supplements and food goes into the body as protein-bound calcium and in order to be utilized by the body it requires digestion and the support of Vitamin D. Our body works to maintain a healthy level of calcium ions in our blood supply and if our body cannot get calcium ions from protein-bound calcium, through diet and supplementation, then it reaches out to our bones. The problem today is that we are actually ingesting a lot of calcium, but this protein-bound calcium cannot be utilized as calcium ions in the body as we age.

Understand this, your arterial blood must maintain a slightly alkaline pH: arterial blood pH is 7.35 to 7.41; the ideal pH of arterial blood is 7.41. A person is considered to have acidosis when the pH of the blood is 6.8 to 7.24. A blood pH drop below 7 can lead to a coma and even death due to severe acidosis. Under 6.8 pH, 'death' comes a knocking. Your body will pull as much calcium as it needs to help maintain proper blood pH. Osteoporosis is a much cheaper price to pay than falling into a coma or dying.

# CALCIUM DEFICIENCY

EITHER NOT GETTING IT ENOUGH OR UNABLE TO UTILIZE WHAT IS ABSORBED



**PROCESSED FOODS**

Stored calcium is leached out from the bones to restore pH balance as buffer.



**LESS ACID IN STOMACH OVER 60 YEARS OLD**

Less acid in stomach over 60 years old leads to less calcium absorption.



**LACK OF EXERCISE / SEDENTARY LIFE STYLE**

Absorbed calcium doesn't end up in the bones since only weight bearing exercise triggers bone formation.



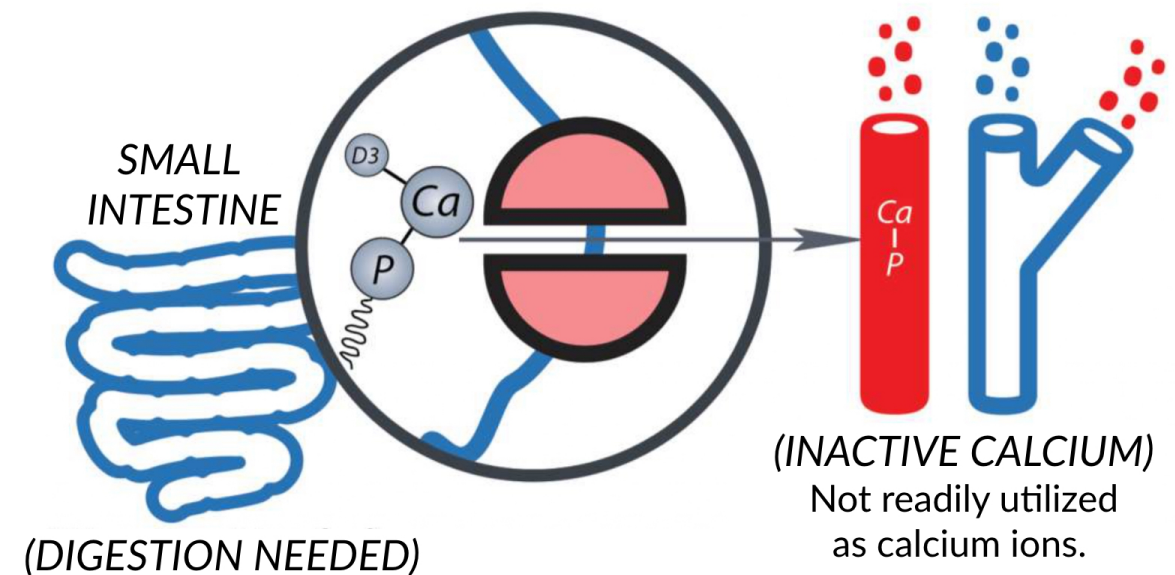
**STRESS/ FEAR**

Unrelieved stress causes inflammations that leaches our body of calcium.

## TYPICAL CALCIUM ABSORPTION

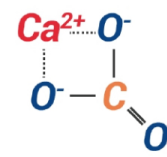


## PROTEIN BOUND CALCIUM

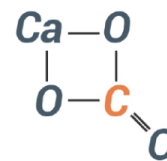


Also, there is another condition I would like to mention and this is hypercalcaemia. This condition is where the body is making an extreme effort to keep you healthy due to a highly acidic pH in the blood that is life threatening. Doctors will tell their patients to stop all calcium products, which are protein-bound calcium, which is poorly absorbed, but in the case of Calcium Ion Therapy, this is the best answer to restoring ones health because the invisible... the calcium ion... restores the physical... your blood... back to health.

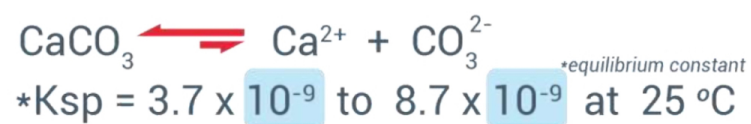
Doc of Detox CIT is the world's first calcium ion delivery system. This new calcium delivery system goes into the system as calcium ions, by way of osmotic pressure and diffusion – no digestion nor support of Vitamin D is needed. Doc of Detox Calcium Ion Therapy is able to trigger a cascade of over a hundred thousand hormonal and chemical responses, which is the foundation of its healing power; it triggers the pituitary gland to release thyroid-stimulating hormone, which initiates a massive osteoblast reaction to build bone. In addition to building strong bones, Calcium Ion Therapy cleans up the excess displaced calcium throughout the body's muscles, joints and organs returning it back to the bones, where it came from in the first place.



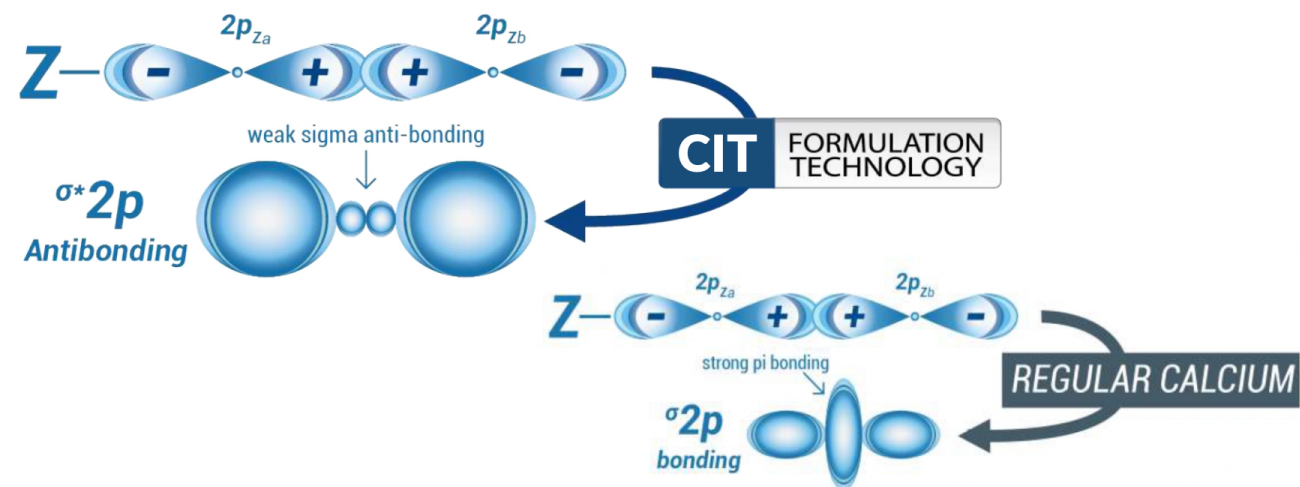
### CIT CALCIUM CARBONATE



### REGULAR CALCIUM CARBONATE



**200X MORE SOLUBLE!**  
**3X FASTER CHEMICAL REACTION!**

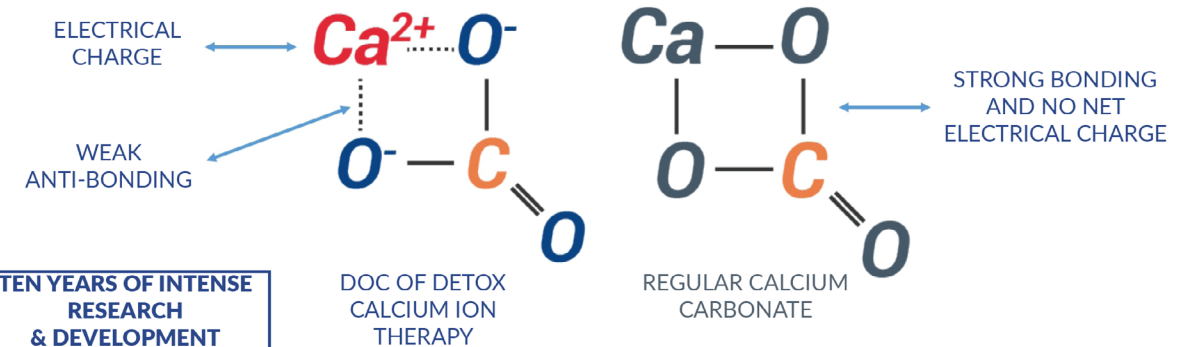
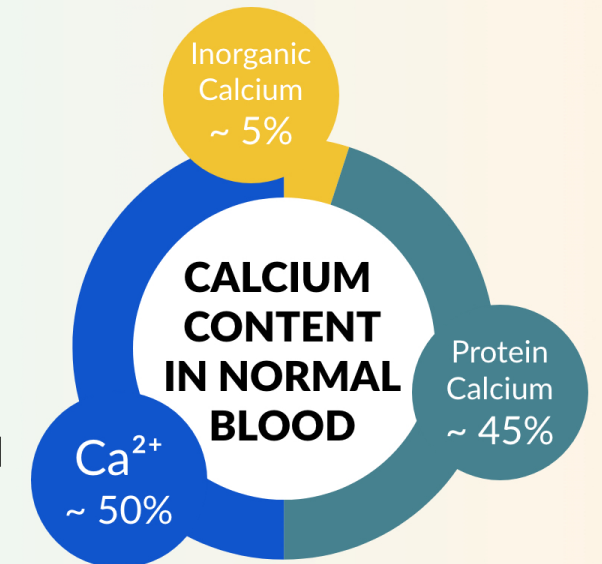


**INVENTION OF NEW CALCIUM CARBONATE**  
ANTI-ORBITAL IONIC CALCIUM (AIC-CaCO<sub>3</sub>)

## ONLY CALCIUM ION IS PHYSIOLOGICALLY ACTIVE

Ionized calcium (Ca<sup>2+</sup>) is the only *physiologically active form* that can be absorbed in our bones by stimulating hormones, which trigger the bone formation process (osteoblast).

**AND OUR BLOOD HAS 50% OF SERUM CALCIUM ALREADY IN IONIC FORM !!!**



TEN YEARS OF INTENSE RESEARCH & DEVELOPMENT

DOC OF DETOX CALCIUM ION THERAPY

REGULAR CALCIUM CARBONATE

## INVENTION OF NEW CALCIUM CARBONATE

ANTI-ORBITAL IONIC CALCIUM (AIC-CaCO<sub>3</sub>)

DOC OF DETOX CALCIUM ION THERAPY IS THE FIRST SAFE CALCIUM-ION-DELIVERY-SYSTEM TO INCREASE THE AMMOUNT OF CALCIUM ION IN OUR SYSTEM, WHICH INITIATES A CASCADE OF HORMONAL RESPONSES, INCLUDING OSTEOBLAST TO BUILD STRONG BONES.

# CALCIUM SUPPLEMENTATION

(HEALTH RISKS)

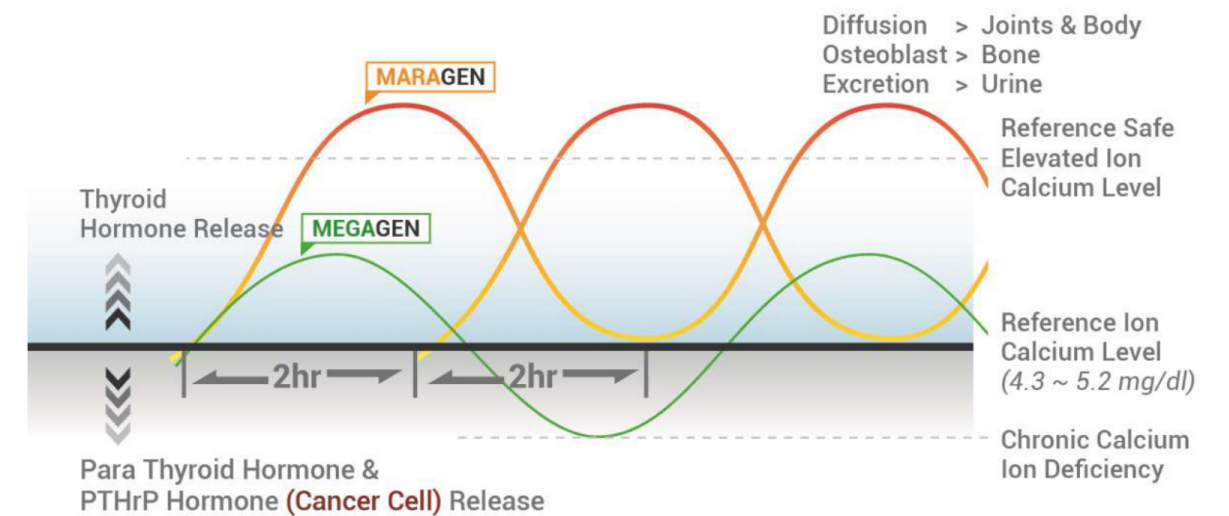


# CALCIUM ION THERAPY

(RESOLVES ALL CALCIUM PROBLEMS)

Calcium Ion Therapy is not a calcium supplementation – it is a therapy. Unlike traditional supplementation, only a very small amount of Calcium Ion Therapy is needed to trigger hormonal responses because the calcium is in a form that our body can recognize right away. Research shows that compared to regular calcium, calcium ions' bone-building power is a hundred times higher than regular calcium. In human trials, Doc of Detox Calcium Ion Therapy has increased bone density significantly and even when there is a bone fracture, the bones have been shown to heal much faster, stronger and more completely. Most importantly, calcium ions decalcify not only bone spurs, joint calcification, and soft tissue calcification, but calcium ions decalcify at the cellular level; they clear out excess calcium so mitochondrial function can be restored, oxidative stress can be reduced, and calcium signaling can be renewed. This is an extremely important fact because when 50 trillion cells in the body get restored, the health effects are mind-blowing!

## 4-6 DOSES/DAY CIT Ca<sup>2+</sup> LEVEL



**CIT IS SAFE AND TRIGGERS MANIFOLD HEALTH EFFECTS**

## CALCIUM ION THERAPY PASSIVE TRANSPORT



**CIT Calcium is directly absorbed because of its antiorbital-bonding's resulting positive charge, and is immediately bio-available.** CIT bypasses active transport delivery that requires digestion with peptides and vitamin D, a complicated process that leaves absorbed calcium far less bio-available.

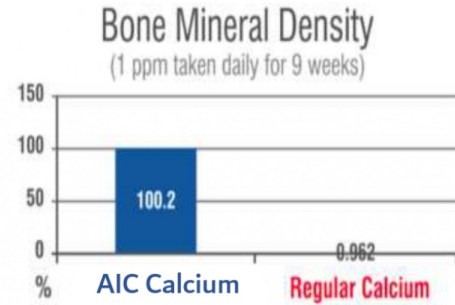
## CALCIUM PASSIVE TRANSPORT



# CACLCIUM ION THERAPY vs REGULAR CALCIUM

Bone Density Clinical Result  
**NO MATCH!**

AIC Calcium  
VS  
Regular Calcium

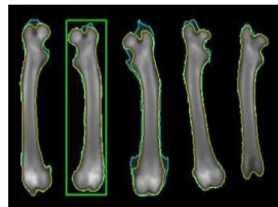


Bone Density

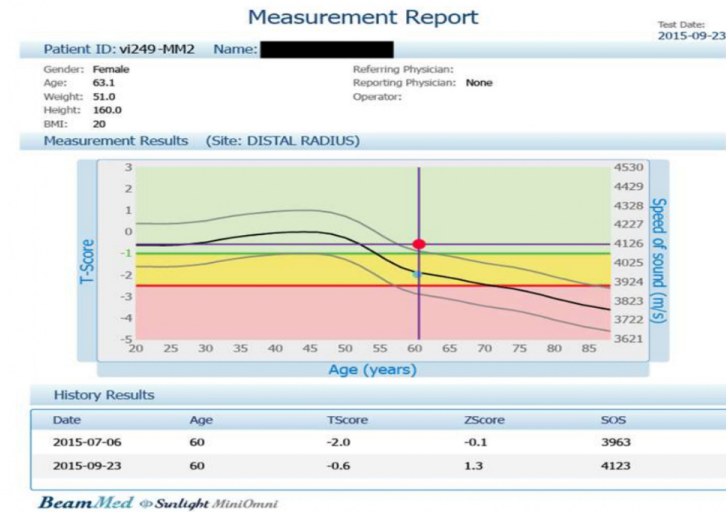
Clinical Trial Result

	Dose Conc.	BMD*
AIC Calcium	0.0001 %	102.2
Regular Calcium	0.01 %	96.2

\*Bone Mineral Density



# SAMPLE BMD MEASUREMENTS



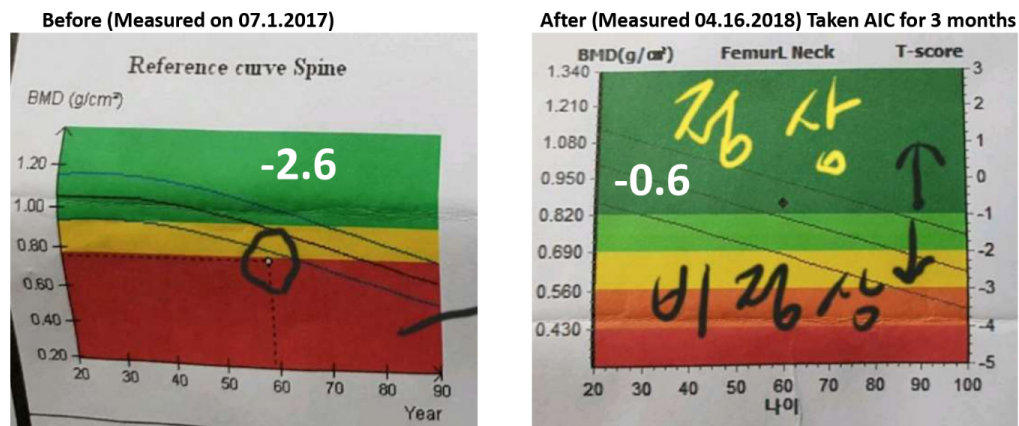
AGE : 60 F

Before : -2.0  
After : -0.6

T-Score  
Increase : +1.4

From osteopenia  
to normal in 3 months.

# SAMPLE BMD (DXA) MEASUREMENTS



The DXA Scan for an Asian Male (60 Years Old) was treated with AIC for 3 months and completely recovered from osteoporosis. (-2.6 to -0.6) T-score increase of 2.

# SAMPLE BMD MEASUREMENTS



AGE : 58 F

Before : -1.7  
After : -0.5

T-Score  
Increase : +1.2

From osteopenia  
to normal in 5 months.

Dr. Thomas Levy, MD, a calcium expert, states, "While a calcium deficiency is always present in the bones of individuals with chronic disease and is especially severe in those with osteoporosis, it is precisely the chronic loss of calcium from its large bony reservoir that continually feeds the excess presence of calcium elsewhere in the body. Calcium supplementation and excess dairy intake only further fuel this excess extra-skeletal calcium presence."

It is actually the chronic loss of calcium from our bones that is causing the excess calcium buildup in our cells. This calcium build-up is causing most of the degenerative diseases we are familiar with today. There are over 150 degenerative diseases that are related to calcification at the cellular level. Subtle dysregulation of calcium ion signals has been linked to some of the major diseases in humans including: cardiac disease, schizophrenia, bipolar, Alzheimer's, Parkinson's, ALS, multiple sclerosis, and all of the autoimmune diseases. Doc of Detox Calcium Ion Therapy is the only therapy available that can actually initiate the process to clear this calcification and thereby reverse the conditions that are caused by calcification at the cellular level.

## DEATH BY CALCIUM by DR. THOMAS LEVY

"While a calcium deficiency is always present in the bones of individuals with chronic disease and is especially severe in those with osteoporosis, **it is precisely the chronic loss of calcium from its large bony reservoir that continually feeds the excess presence of calcium elsewhere in the body.**

Calcium supplementation and excess dairy intake only further fuel this excess extra-skeletal calcium presence."



## FRACTURE HEALING EFFECTS OF CIT

**STERIOD INDUCED OSTEOPOROSIS, AUTO FRACTURE (MALE, 52, INDONESIA)**

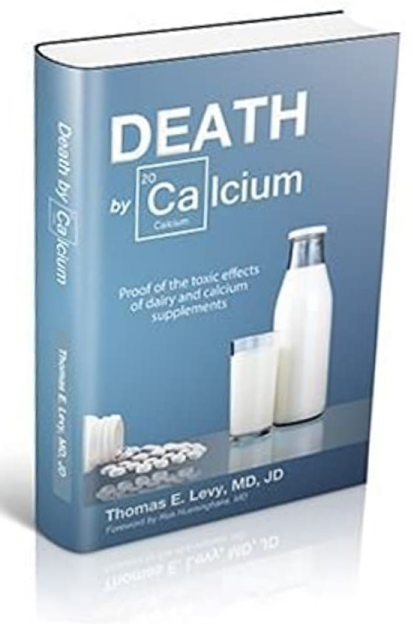
Dosage : MaraGen 2x /day for first 2 months and then only 1x. Able to walk normal again



## DEATH BY CALCIUM by DR. THOMAS LEVY

"**All chronic degenerative diseases feature increased extracellular and intracellular levels of calcium.** Calcium deposition often results in the extracellular space, where calcium concentrations are vastly higher than inside the cells.

The increased extracellular calcium always leads to increased intracellular calcium, which always results in increased intracellular oxidative stress."



## RESEARCH: DYSREGULATION OF CALCIUM SIGNALS & DISEASES

A wide range of  $\text{Ca}^{2+}$  signalling systems deliver the spatial and temporal  $\text{Ca}^{2+}$  signals necessary to control the specific functions of different cell types....

Ongoing transcriptional processes maintain the integrity and stability of these cell-specific signalling systems....

However, **these homeostatic systems are highly plastic and can undergo a process of phenotypic remodelling...** resulting in the  $\text{Ca}^{2+}$  signals being set either too high or too low...

**Such subtle dysregulation of  $\text{Ca}^{2+}$  signals have been linked to some of the major diseases in humans such as cardiac disease, schizophrenia, bipolar disorder and Alzheimer's disease.**

Calcium signalling remodelling and disease Michael J. Berridge, Biochemical Society Transactions Mar 21, 2012

In summary, when cellular calcification happens there is oxidative stress, calcium signaling breakdown, mitochondrial dysfunction, and cellular inflammation which leads to degenerative diseases accompanied by chronic inflammation and autoimmune responses. This process happens to everyone as we grow older, but with Calcium Ion Therapy it can and will be reversed. This therapy puts premature aging on hold.

The invisible creates the physical... especially in the case of Calcium Ions... your body's greatest communicator and cellular regenerator. Calcium Ions make the impossible... possible. Take your life back... take your health back.

## BONE LOSS LEADS TO **150+ DEGENERATIVE DISEASES**

### CELLULAR CALCIFICATION

OXIDATIVE STRESS

CALCIUM SIGNALLING BREAKDOWN

MITOCHONDRIAL DYSFUNCTION

CELLULAR INFLAMMATION



### DEGENERATIVE DISEASES

CHRONIC INFLAMMATION

AUTOIMMUNE RESPONSE

OSTEOPOROSIS @ AGE 25