



An Integrative Approach To Veterinary Medicine

**Michael Karlfeldt, ND, PhD with
Marlene Siegel, DVM**



Michael Karlfeldt, ND, PhD

Well, Dr. Marlene Siegel, I'm so excited to have you on this segment of our regenerative Medicine summit, thank you so much for joining me.

Marlene Siegel, DVM

Well thank you for having our fur babies, part of your important information that we're getting out to the world

Michael Karlfeldt, ND, PhD

And I'm so cool because we've had so many doctors on this show, but now we get to have a doctor that takes care of our not only furry friends, but I, you know, you know, their fur paws there, Yeah all possible shapes and sizes,

Marlene Siegel, DVM

Absolutely great.

Michael Karlfeldt, ND, PhD

So just want to do a little intro. So people know the tremendous experience that you have. The last 20 years of Dr. Siegel's nearly 40 year career as a veterinarian has led her to develop the widest array of alternative therapies and detoxification services in the country. I mean you do some amazing things and we're gonna I know we're gonna look at some really cool cases. I'm really excited about that true entrepreneur, determined to solve needs that the pet world has led her to be an international speaker and an innovator and integrative veterinary medicine. She developed her own raw pet food company and supplements, Evilloveraw.com, knowing knowledge is power. She has online programs for pet parents and veterinarians to teach



integrated vet medicines, you can visit that at transforming vet medicine dot com. She's also launching Spaws family wellness in 2023 their detox centers for pets and their parents and you can connect with her for at DRMarleneSiegel.com Well we've known each other for some time now and and you do the coolest things, I mean I work on, on human beings and you do incredible things on on our little extension of our families, you know, so I'm so glad we can cover this area in the summit.

Marlene Siegel, DVM

Thank you so much.

Michael Karlfeldt, ND, PhD

So tell me a little bit, can I tell me why did you move into kind of the integrative space? I mean because you know, usually a veterinarian, they stick to their tools and that's what they do, but you I mean you're so cutting edge with the therapies that you bring in for animals, it's just incredible. Why did you make that shift?

Marlene Siegel, DVM

So the short version of the story is we were showing horses and my youngest daughter was involved in a riding accident with one of our show horses in the arena and the horse literally saved her life because the horse had, I had an incident where it caused her to rear in the air and my daughter was hanging from the reins and pulling the horse over backwards and the number one cause of death for riders is the horse falling on them and crushing them. So this horse had the presence of mind while she's being pulled over by a £50 child to squat and push herself as hard as she could in the opposite direction of where my daughter was going to fall and I know it was conscious I watched this horse do it. So in my quest to heal the horse, I had brought equine veterinarians in because she kept having these problems and they said, we don't know why she's doing this, we can tell you that she's not safe to ride.

She'll never be shown again. And your two options are to put her out to a pasture for the rest of her life. She was seven years old, a Canadian and United States national champion and open divisions. She was magnificent. But the most important part was she saved my daughter's life. And so when they said you could put her out to a pasture or you could put her down. Neither one of those were acceptable answers. And it just really lit something up in me and I think that's what happens to most people who finally find their passion and their purpose in life. If something happens that motivates them could be a health challenge. In my case, it was my desire to heal my horse. And that pushed me to look for things that didn't exist in the world that



I lived in. So I was definitely going to prove them wrong. And it actually, and I did, by the way, five months later after all the treatments that we were employing, she and my daughter won the United States Youth Reserve national championship, which is the most prestigious youth show in the entire United States. So yes, we proved them wrong and she's still alive in my backyard and, just as ornery as ever.

Michael Karlfeldt, ND, PhD

So talking about your daughter or?

Marlene Siegel, DVM

Both, both. Yeah. So, it was that desire to heal her. But then the other promise that I made was I was never ever going to look at a client and their pet and say, I'm sorry there's nothing more that I can do for you. I just, that was my vow. I didn't like it being said to me, I knew it wasn't the truth and I feel that there's always something we can do now, sometimes it's making that peaceful transition, but that's a lot, you know, so knowing that we have the ability to always do something, whether it's helping them transition or it's reversing disease, you know, we don't try to play God, but we try to do what's best and, and do everything that we possibly can to assist that animal in the healing process.

Michael Karlfeldt, ND, PhD

Yeah, yeah. And what's so amazing is that when you look at, you know, I work with humans and, and but it's the same principles. I mean, it's it's the same, you're, you're looking at detoxification, you look at bringing the nutrients to the animal and, and it's it's similar principles, you know, supporting mitochondrial health and so bringing that kind of medicine to our our loved ones, you know, because to some people, they, you know, the pet is what's really keeping a lot of people saying and and and bringing them so much joy. So for people then to have options that are beyond just traditional veterinarian care. I mean that's just incredible.

Marlene Siegel, DVM

Think there's another component here that's really important. Yes, we have evolved to have sole pets because these animals are so important to their pet parents. And what's neat is that these animals are bringing their pet parents to an awakening because in order to heal that pet is the pet parent, that actually has to make the lifestyle changes. So they have to clean up their environment, they have to change the diet for the pet. And then as they see these transformations, they go, well, should I be doing that for me and in doing so they're improving their lifestyles, they're becoming less toxic, they're getting healthier themselves. And at the end



of everything, it's helping Mother Earth because the pet parent is making better decisions about lifestyle. So we're becoming a lot

Michael Karlfeldt, ND, PhD

And I'm curious because you have a lot of, I mean it's like the pet sometimes carry the energy of the owner, you know, so the owner is dealing with a lot of stress, it's like the pet is there to help you carry that stress. So how important is it that when, when a pet is struggling with, with health concerns for the owner then to kind of look to be part of that solution to to see what is it in my life that my pet is carrying for me right now, that I may need to look at

Marlene Siegel, DVM

Huge, oh my gosh, we could have a whole conference just on that and and because pets are either mirroring or they're reflecting to the owners, what the owner actually needs to heal the pet parents that get that and can live in a state of faith and trust. And instead of fear and victimhood, those animals always tend to do better. But the pet parents that come in and they're just stuck in fear and they're stuck in victimhood and they just can't get out of their own way. The guilt and shame and all the stuff that they're carrying is going to make it very difficult until they go through their healing journey? Maybe, I can't say this for sure, but maybe that pet is saying here, I'm giving you an opportunity to see what it is that you need to heal in your own life so that you can experience an event, look dr carl Felton, we're all leaving this planet, You know, it's not like we're expecting to live forever.

Our pets are going to leave at some point, we're gonna leave at some point. Are we leaving with grace and dignity? And are we living our lives, are we being alive while we're here, or are we living in fear of death? So it's truly that it's a paradigm shift and it's learning how can we be in the moment, because animals are in the moment all the time, you know, who is the pet parent that hasn't said goodbye to the dog, left the room, come back five minutes later and that dog thinks it's been forever since you were gone and they're just so happy to greet you, right? They didn't know it was five minutes, they just know that in this moment you're here and I want to love on you. So, so we need to share some of those lessons that our pets can give us and just learn how to be in the moment and grateful and appreciative and and be able to enjoy life to the fullest, knowing that we're showing up and doing the most that we can do in our lives for ourselves, for our families, for our for families and taking care of mother earth, are we helping are we hurting? And we just look in the mirror and you go, where do I need to go?



Michael Karlfeldt, ND, PhD

And I know we're gonna go into some, some really cool cases, you know, dealing with Integrative veterinarian oncology, but I wanted to do you have an example of an of a of a pet and owner where the owner recognized, you know, that they needed to make an emotional or spiritual transition and and then seeing that impact on on the path as they are doing that.

Marlene Siegel, DVM

Absolutely. I just recently had a beautiful lady who was carrying a lot of guilt and shame and hurt from her father passing, and then when her dog became ill and was in those final stages, it was devastating to her. And she literally said, it's like I'm reliving the loss of my dad, my dad's death and it was really hard for her. And so we got her some help in being able to move through that pain and loss and make the connection from her dad. And now here she has an experience where she can learn how to heal from her day dad's experience, and then also heal from the dogs experience and help her to be more into her purpose. You know, what can she now share with others about her experience? Because there's so many people in the world that are there just reliving their traumas. It's like, it's another place, it's another name, it's another face, but it's the same problem. And so they're constantly saying, I don't get it, you know, I just feel like this is a broken record and it's because in I'll go a little woo here, it's like the universe is giving us an opportunity to take that experience and experience it in a different way. One.

We are empowered to choose how we want to feel. That doesn't mean that you're not going to experience hurt and loss and sadness of course, that's part of the beauty of being human. We get to experience the entire spectrum of emotions, but we can also choose how to look at a situation. Is this the worst thing in my life that my pet's gonna die, or did this pet bring such joy and happiness and gratitude and love and experiences that we can cherish? How can I celebrate that animal for being in my life, whether it was short or long, right, And we should do that for everybody in our lives, right? It's all about how we're showing up. It's a choice. And these animals help us to see that if we can just live in the moment and have joined gratitude for everything that happens, because even the ouchy things that happen to us, they happen for a reason. I truly believe that. And the reason turns out to be, how do you want to experience on which spectrum of the emotional scale do you want to look at this? You want to be a victim or do you want to be a victor? And it's kind of that simple?



Michael Karlfeldt, ND, PhD

Yeah, I love it. And I know you have some, some slides that you wanted to show and some of the cool tools that you have that, and I think this is so important is for people to recognize the powerful tools that exist that can be used for pets and the impact that they have.

Marlene Siegel, DVM

Okay,

Michael Karlfeldt, ND, PhD

I love this one.

Marlene Siegel, DVM

So it really is that epitome of how our pets feel about us. You know, we can we can talk bad things about ourselves but at the end of the day they think were wonderful and all we have to do is walk in the door. How cool is that? You and I agree that there really is no disease, there is dis-ease which means that there is an imbalance in the body and it's as simple as that and it's either gonna be a deficiency and toxicity or some form of mitochondrial dysfunction. So if we could just keep our definition that simple and be focused on identifying the deficiencies, identifying the toxicities and fixing the mitochondrial dysfunction will fix almost everything with just that. So the standard work up of course most people know your blood work your x rays ultrasound. But many people aren't aware that we do heavy metal testing for animals for both toxic heavy metals and nutrient deficiencies.

We checked for cancer markers, we look for inflammatory markers. We look for deficiencies and vitamin D. Magnesium and B12. Live blood analysis. The way I use that is to evaluate the fourth phase of water and I know you're going to have Dr. Paul Akan. He may be on before me and he's talked about fourth phase of water. Well one of the ways we can look at live blood is if that fourth phase of water is collapsed. The cells are going to be all stuck together. They can't do their job very well. But if that fourth phase is expanded and there's so many things that cause it to be expanded which is healthy that we can focus on doing those activities. And when we see that it's collapsed, we know there's toxins involved. We know there's E. M. F. Involved. So it's a nice marker for us to be able to see how well we're affecting the body. We do bio energetic scanning and thermography and cts when appropriate.



Michael Karlfeldt, ND, PhD

And that's also because people don't recognize like with their animals, you know that heavy metals can be an issue. I mean the animals are exposed to toxins you know like we are and they need to detoxify like we do so to be able to kind of look and see you know when they're dealing with something, maybe it is heavy metals, maybe they're running around on the lawn that's sprayed with glyphosate. You know and that is why they have an issue.

Marlene Siegel, DVM

Absolutely true. And so many of the quote unquote failures are really because the toxins weren't identified. The deficiencies weren't identified. So the body can't repair because something's in the way or something is missing. So it's really not hard to think about it that way. It just hasn't been taught that way. So don't blame your veterinarian. They were not taught how to do that kind of medicine. But in my quest to really understand how to treat the root cause which is what integrative medicine is it's taken the best of both worlds. But the Eastern world is all about identifying the actual root cause of the problem or problems and then fixing that where in the allopathic world it's more about treating the system. You got headache well, then take an aspirin if you have diarrhea taking a podium, right? But they don't stop and ask why did you have a headache and why did you have the diarrhea?

Maybe the diarrhea is doing something it's supposed to do. So what I think is it should be an and you know, where we take the best of both worlds and we put them together and it gives you such an expanded toolkit because now when I made that promise, I was never gonna tell somebody, there's nothing more I can do. It's because I have this humongous toolkit and I add to it all the time. So there's always something new coming out. I think that's one of the cool things about our level of medicine is that there's always these amazing people that are creating things that we would never have thought of, but they're amazing whether it's vibration plates and frequencies and PMF, all these wonderful things and a lot of this was not in the veterinary world. So as I was introduced to this, I said, okay, how can I adapt that for animals? And there was no road map, Nobody had answers. I had to literally work it out. But it was so exciting to see the changes.

Michael Karlfeldt, ND, PhD

That's also cool when every time I talk to you there's something new, something new, you know something cool that you've added and are doing new. And so it's that's what's so that's what's so fun.



Marlene Siegel, DVM

It is a lot of fun. So this is the first device that we use in any of our treatment protocols. It's a pulse electromagnetic frequency machine. And the ultimate goal is we need to get our patients into a parasympathetic state because that's the state of rest, repair, digest and detoxify if we remain in a high sympathetic tone which is fight flight. You know, there's danger out there and you just gotta make sure you're gonna survive the body can't heal in that state. So they're like on a teeter totter, teeter totter when you're in high sympathetic tone, your parasympathetic side to shut off and vice versa. So what we want when we're trying to heal is to get our patients into a parasympathetic state. So with this device, you know, for people we can tell them to meditate, we can tell them to do yoga and some people can get parasympathetic but most can't they can't turn off the monkey mind. Well in the machine you don't have a choice. You are just flooded with all of these parasympathetic frequencies that are in training to you.

These are pica. Tesla range is very, very tiny ranges like right close to our normal and it just takes your body right back in and almost everybody on the human side that gets in this machine falls asleep within 10 minutes. But they don't remember, I have to take pictures because they'll wake up and they go, oh I didn't feel anything. I have video of them snoring. Really funny. They go I haven't slept like that before. So it's really awesome. So this is where we start is we get them in a parasympathetic state. And then these are not necessarily in order of the way we use them. But one of our other major tools is infrared therapy. Now I'm a fan of full spectrum because I figure if the sun produces full spectrum energy and God nature created the sun, then that's the one I want to use. So I know people argue, oh it's far infrared, that's the best. Or it's near infrared. That's the best or no, it's the myth.

Well why don't we just use them all? Because that's what nature did. So maybe a little simpleton on that one. But that's what I do. I do full spectrum. So with our animals, The cat on left is my cat louis and he's laying on a full spectrum infrared pad and those are little jade stones and it produces negative ions. That's really cool. But it's comfortable for them and you don't have to try to restrict them when they had enough. They'll get up and leave. But you can see he just went over there and lay down and then in the middle is a regular infrared sauna where it's full spectrum and animals can go in there with or without their pet parent. And then on the right hand side of the individual saunas I will tell you it is really not comfortable to sit in a sauna and sweat and have a furry animal on your left. So I recommend that the human getting the one on the right and the animals get on the one on the left.



Michael Karlfeldt, ND, PhD

Yeah. And and and that's the thing is that exactly you know that the far infrared or the near infrared. I mean the impact that it has on activating the new system, reducing inflammation, triggering tissue repair. I mean there's so many benefits and then if you already put them in that parasympathetic state to support those activities then that will just is that kind of layer upon layer of therapy where you maximize each other.

Marlene Siegel, DVM

So what we're doing in essence so that the pet parent understands is we're really treating the body's biology. So all of these mechanisms are in our bodies. It's in our pets bodies. But because our lifestyles have changed so typically most people don't spend much time outside in the sun. So they're really not getting that full spectrum. Our ancestors, they were up at dawn outside working all day long until dusk. So they got that full spectrum. But we aren't seeing that and most of our pets now are indoors with us. So they're not getting it either. So I think it's a really important therapy that we bring back into our lives because literally our mitochondria are activated by light. So when we are light deficient then our entire body can't work well from detoxification to energy production. All of it is not working right? So you know being able to do this in a way where we can do it with an infrared sauna.

Most people don't have time to stay outside all day long. I get that. But this is a way to kind of cheat and still make it happen. The next one is assisted lymphatic therapy. And this is all my favorite tools. I will say it over and over again. But our lymphatic system has been so underappreciated and underutilized and under supported on the human side a lot. But on the veterinary side, oh my gosh we were taught what the limp does. We were taught that there's lymph nodes and they get cancer and that's what lymphoma is. And honestly I asked asked veterinarians all the time. Do you remember anything more about the lymphatic system? I was it. So now that I'm taking that deep dive into understanding biology now. I'm understanding how important the lymphatic, so for the liver and the lymphatics are the two most important organs of elimination. But this is a system that we use that has these glass probes and it produces negative ions and a micro current and inert gasses and it basically thins the lymph because there's so much congestion in the body.

Think about the fact that our lymphatic system requires movement. Well so many of these animals aren't getting movement, let alone high intensity movement. So they're lucky to walk around the block if it's dog cats we think they're just fine laying around the house but they really need activity in the wild. They would have been chasing down their prey in the morning and at



dusk and they would have been running away from danger. And so they had hijacked this high intensive activity but we don't have that indoors anymore. So this is a really important therapy not just to do and the animals are sick but also to be able to boost the immune system and aid and detoxification before they get sick. So there's a dog on the left and I'm doing the head part and Lola there on the right. I'm doing her abdomen and you can tell she's just laying there relax. No one's even holding her and then kitty cats cats don't like anything and they actually tolerate this very well. So you can see this little kitty going really

Michael Karlfeldt, ND, PhD

That's all I love that look and then you know what's important for people to understand is that the cells there are only as healthy as the environment that they exist within. And your lymphatic is what helps to transport toxins away from you know the environment of the cells outside of the cells. And also to help also with nutrients you know help that flow of things. So you know the the lymphatic is is such a key and then just like us like you know because we the lymphatic doesn't move if we don't move so then we have to do something you know in order to stimulate it then if they just kind of lay around all day you know like you said then then all those toxins are just gonna stay around the cells and they're not gonna be as healthy. So I mean this would be great preventative medicine as well you know they should just bring in their pets and do this you know you know at a regular frequency.

Marlene Siegel, DVM

Absolutely because of our lifestyle being so corrupt. This is absolutely imperative. And then we think about we've spayed and neutered or they have accidents and scars and that even inhibits lymphatic. See even more so super super important. And then we can't miss the detox. Put that look at that.

Michael Karlfeldt, ND, PhD

I love it. We do it for animals, not animals. I mean for humans here but that it's so cool just to see the animals sitting in it.

Marlene Siegel, DVM

So on the left if you look at the dogs right forearm you can see it's really swollen. That dog had an osteosarcoma, which is bone cancer. So she couldn't really support any weight on that right front leg and we would just take her feet and put it into the foot bath and there's Lola that was on her back earlier. Now she's getting her foot bath and she's just so happy in there like a and exactly, that's what it is and it feels so good when we go through and we do these on ourselves, you feel



relaxed, you feel emotionally improved. It's a wonderful feeling. And the animals, you know, they don't have to have a placebo. They're literally feeling better as they go through these therapies.

Michael Karlfeldt, ND, PhD

So tell the audience a little bit about the detox footbath. I mean what does what does it do? Do I mean what how does it benefit? You know the animal obviously it says detox that means that toxins are coming out. But how does it do it?

Marlene Siegel, DVM

So it's a micro it's a electrolysis in assault bath. And as the salt in the water is going through the process of electrolysis, it creates a parasympathetic state. So you get more relaxed. Which aids in the detoxification and then the electrical current of the ion difference between the charge that's in the water and the charge of the toxins in the body. So they're drawn to the polarity in the water. So after a period of time the water changes to different colors. Now even just putting salt into the water and having the little unit that does the electrolysis it'll stay, it will change because there's some pollutants in the water as well. There's ions in the water. But it is dramatic to see these animals when they first come in and there's a lot of toxins it'll pull heavy metals and so they come out and the water is all these weird colors. But as they go through their weeks of therapy the water gets more and more clear. It's so dramatic to see and the animals clinically are showing improvement.

Michael Karlfeldt, ND, PhD

Oh cool. Cool.

Marlene Siegel, DVM

It's great for people to alright, so this is a vibration plate that also has frequency generation. And when I go to play this, what I want to point out is that these were two snakes that came in and the guy had just purchased. Somebody thought they were sick and so I thought well let's just work on their immune system. I didn't see anything physically wrong with them. So I thought I'd put them on the vibration plate to help with lymphatic and then use frequencies that would be immune boosting and immune stimulation and help with respiratory track. But I want you to observe when I go to play this that both snakes curled up underneath the little black ball which is where a majority of the frequency was being concentrated. They intuitively were drawn to the frequencies that their bodies needed. They had plenty of space to move elsewhere. And I didn't started at the beginning of the presentation but they started out on the other end of the box



and when I started playing they both came over and curled up underneath the little the self exciter that was concentrating the energy. That cool.

Michael Karlfeldt, ND, PhD

That's really cool. So I'm curious did you also have these 2Dionic foot bath? The detox footpath and some lymphatic massage on the snakes.

Marlene Siegel, DVM

I did not but they got better so if they got better I would have considered lymphatic six. They did well but thank you for asking. And this is halo therapy or dry salt therapy. This is one of our other really popular modalities for anything involving the respiratory track. So it could be sinuses, trachea coughs, anything in the bronchial tree or the lungs. So typically cancers that involve any part of the respiratory tract. This is popular But also viral infections. Colds. I didn't show the picture but we had a group of puppies that came in and they all had really bad colds and they just had snot coming out of their faces and we put all the puppies in the salt booth and literally 72 hours later no antibiotics. They were all cleared up.

Michael Karlfeldt, ND, PhD

Incredible. Yeah and it's the same with animals you know when we give them antibiotic it's gonna ruin their gut. You know it's going to ruin their new system. So it is important to have these other options that does not involve obviously if you have to do antibiotics yes but if there are options that are less damaging then why not use those.

Marlene Siegel, DVM

Yes. The little kitty on the right hand side came in with a viral infection. And these upper respiratory track infections on these young kittens. In the days of only antibiotics they became chronically infected. They were chronic shutters. This little guy when he came in his eyes were closed and he was miserable. Goo coming out of his nose in his eyes 72 hours salt booth every day with rectal ozone. No antibiotics. He was not only perfectly better but he never relapsed. Yeah and this is also good for skin. We know sometimes we have animals that have skin allergies and a lot of sores and just the salt on the skin is antibacterial and antifungal and it'll help soothe it and make it heal a lot faster. Ozone. We talked about it a couple times already and we do ozone I wanna say probably 85-90% of the patients that come through my door. We use ozone because of them have some kind of a challenge. Even if it's A. D. R.



Which is ain't doing right. Ozone goes in the rectum and just always but we can give it intravenously we can use it as a sanguine this injection where we take a little bit of blood, we mix it with ozone, we circus it, break it up, you know like this really hard and then we put it back either into a muscle or an acupuncture point. That's a very effective thera of course rectally is the most common way and we can bubble it through through oil and create those nights and make it safe to breathe. We can inject it under the skin, we can live in areas with it, we can use it in the mouth after we've done dental extractions, we rinse it in the mouth to clean up the bacteria. We use it in acupuncture points, but there's no resistance to ozone. So it covers everything. And we're c seeing so many more animals now that have literally antibiotic resistance to everything pseudomonas in particular. So we'll get a pseudomonas infection in the ear or in the bladder and we just rinse it with ozone several days in a row. Some blue light therapy on top of that and these infections clear up.

Michael Karlfeldt, ND, PhD

And so what does ozone do for people that don't know out there? What does it do?

Marlene Siegel, DVM

Ozone is a gas, it's actually produced by nature. It's produced by lightning storms, you can smell that fresh air and when that O₃ molecule separates, it's very reactive and it turns into hydrogen peroxide pretty quickly. So it's antimicrobial antiviral anti cancer. Anti fungal but it also turns on the N. R. F. Two pathway which is a fancy word for a pathway that turns on over 200 anti inflammatory pathways. And that right there because we don't have for medic stressors in our lives anymore. A hormetic stressor is a stress on the body that causes the body to ultimately make more glutathione, which is our internal antioxidant. So we're not typically going through starvation. We're not seeing extreme temperatures, although in Florida this past week we were 27° for four days in a row. So that was a traumatic stressor for me. So but we typically aren't seeing that high intensity exercises the other core medic stressor.

That's been kind of evolutionary with us. So our animals aren't doing intermittent fasting, they're not experienced extreme temperatures and they're certainly not having high intensity exercise for the most part so ozone can act as a hormetic stressor for these animals helping the body to produce more ultimately more glutathione but it's also a redox signaling molecules. So mitochondria, the little organisms that make our energy, they actually as a byproduct produce ozone. I was fascinated when I learned that I go seriously. Our body makes ozone internally. Or a little mitochondria go guys. And so that that becomes a a molecule that helps to send signals that's what redox signaling is. It's sending a signal further and further and further down the



chain. So the end user can get it. So it's really one of the most fascinating things. And ozone is now available for pet owners to use in their homes. We have these little units they get a little oxygen to take this little unit and a couple of catheters and up the but they go or they can rinse wounds if they get a little flask bubbler they can bubble ozone through a solution and and make that solution where it's full of ozone. It's a gas so it's not going to stay stable. You have to make it fresh and use it fresh. But what an amazing tool that we have available and it can be used by a pet parent under guidance.

Michael Karlfeldt, ND, PhD

Yeah that's what a powerful tool. Yeah. I mean we use it a lot in our practice and I know yes it's just amazing what it does and we're still still learning how incredible you know and all these different diseases and health conditions and for optimum just for anti aging. Of all the things that it does is incredible.

Marlene Siegel, DVM

Yes. And produced by nature if used properly extremely safe. And that's something I want to point all the things that we've been talking about so far. There are virtually no side effects where in al Empathic Medicine. I don't have a tv. So I don't watch tv but you know I remember the commercials where they name a drug and it takes care of this. But my gosh, the side effects took up most of the commercial, including death. I'm thinking why would somebody do something that is going to be more harmful than the condition that you have didn't make sense. So moving on, this is an example of live blood analysis and on the left hand side is a case. Before I gave ozone you can see all the cells were crumpled and gnarly and that's called Rouleau. And then on the right hand side, literally 10 minutes after we gave the rectal ozone, the cells are separated which is the fourth phase of water that has now expanded same animal. And all of a sudden these cells are able to do their metabolic function. They can pick up oxygen through their cell membrane, deliver that to the tissue. They can pick up waste product from the tissue and deliver that out the lungs. And just that alone makes a dramatic impact on the ability of anybody human or animal to start healing.

Michael Karlfeldt, ND, PhD

Well you can just see, I mean, those red blood cells are going to be transporting oxygen and obviously your cells need oxygen to produce energy and to survive. So if you look at the picture on the right versus left, you know which one is going to deliver more oxygen.



Marlene Siegel, DVM

Absolutely. And what causes the collapse on the left hand side, toxins, electromagnetic pollution, chemicals, antibiotics. I mean there's so many things stress can cause that. So we need to be paying more attention to the little things. This is a simple little \$50 test that we do in the office. It takes under five minutes. Not a whole lot of skill. You gotta make sure it's not artifact, but it's just a very quick way to see responses. And one of the cool things that I'll do is we'll see a case like on the left and then I'll do one or two different peace and then I'll do the same test again. And I show the mom and dad how much change there is and then they can see the change in their pet. It's that quick. These guys don't need a placebo. They feel better. Hyperbaric oxygen. You know, in the old days you have to go to a place where it was hard sided tanks and oxygen pumped in. There was danger, you have to take all your clothes off and wear special clothing and you couldn't go in with your pet. And so there was and it was very expensive. I mean the hyperbaric machines run on the level of \$150,000 and up. And then the soft sided chamber started to become popular and the cost is now plummeting down to, I mean we can get these tanks now for \$9,000, which it sounds like a lot of money. But compared to \$150,000 and it's in the convenience of your own home. That's pretty priceless.

So on the left, I'm getting ready to do a dive with two of my cancer patients and on the right is another cancer patient. This dog had lymphoma. And I just wanted to show how spacious it is because people go, oh I'm gonna get some claustrophobic and I'm gonna freak out. But there's windows in there and there really is a lot of space. And these animals just love it. They just get in there and they relax and they go to sleep. The two dogs on the left because we dove so many times together, they knew exactly where Their spot was. They picked it themselves and everybody just went in, they found their location, they laid down. We all enjoyed our snooze. And it was wonderful. But it goes to about 1.3 atmospheres. Which is what it's doing is it's taking and pushing that oxygen out into the tissue. So the more oxygen is in the tissues, the more cancer can't grow in that environment. So that's kind of in a nutshell, what we're doing. But it helps in detoxification production of red blood cells. And of course getting more oxygen out into the tissues.

Michael Karlfeldt, ND, PhD

And what's so cool with that. It uses them pressure, you know, so you don't need to rely on circulation to get oxygen to tissues. So even though it may be areas where the circulation is very poor. You know that pressure will then drive that oxygen to that location for regeneration.



Marlene Siegel, DVM

Absolutely. It really is such a relaxing and I would say 99.9% safe procedure if done supervised. But we have a lot of our pet parents because with hyperbaric oxygen the key is frequency. So you can't just do a dive a week or a dive a month, you're not going to get the benefit. But after about the 4th dive, the body starts to go, okay, I have plenty of oxygen. Now I can go ahead and share with the tissue. And other than that it's kind of storing because we're pretty oxygen deprived individuals. So this is a wonderful technology and extremely affordable. Okay, so that was a smattering. We do a lot more than that. And of course we have nutraceuticals and products and diets and all homeopathic chiropractic and acupuncture. We do all of that stuff. But I just wanted to pick some of the more visual things for everybody to see. But now let's go ahead and jump into a couple of cases.

Michael Karlfeldt, ND, PhD

I love these cases. It's gonna be so cool. Yeah. Just gonna blow everyone's mind. I mean blue mind when I saw it.

Marlene Siegel, DVM

Bentley has actually been an international case. He was actually shown in Bangkok this past year on the conference. So he is really touched so many human and pet lives in his little journey. So Bentley was only five years old when he came to me at the beginning of this year and he started out with these blisters that you see on his nose and they took him to the regular veterinarian and the veterinarian gave him a steroid cream and it got worse. And so when they went back they did a biopsy and it came back is squamous cell carcinoma of the face. So they went to a veterinary oncologist and that veterinary oncologist said the only option you have is to cut off his nose and he'll be dead in 3 to 6 months. Anyway, Well they literally, in the words of the owner, we ran out of that office and I don't know how they found me, but they're from Michigan, they have a house down in South Florida. And somehow they found me and we began working with Bentley in eight, the end of April of this 2022 so you can see all the lesions on his nose and then on the right hand side we had already been into two months of treatment. And the reason I like using him as an example is because oftentimes people don't know what to expect, but when we start affecting cancer, it's not gonna remain the same.

It just just doesn't evaporate and poof into nothing. It's gonna get reactive it's going to get more angry. And so for the first 3 to 5 months it was almost like playing whack a mole because every week he came in there was a new bump somewhere. So on the right hand side you can see the arrows pointing to a big new lesion that was coming out. And then every week we would



do our treatments which included a product called Neo places and it would kill back a lot of the cancer tissue. And then he would come in the next week and we would do all of our ivy therapies and the owners were amazing. These people were so diligent to do everything we asked them to do. So you can see the tissue. That was the big round leisure on the right hand side, that big bump that was there earlier. Now you can see where it's starting to die. He had a tumor in the inside of his mouth, on the roof of his mouth and that was gone in just a few months. And now we're into July and remember started the end of March and you can see where the cancer is, there's not as many new lesions coming out, but you can see where the erosion of the abnormal tissue is. And so every week we were taking pictures and following it. Well, we missed treating the nose topically for one week. And on the left is what he came in looking like with just one week not treating him topically. So we cut it back and we put a long dosage of Nia placing on there.

Really kicked it back and this was because it was on his face and he's a lab and they lick lick lick lick lick. So when we put products on his face he had to be under anesthesia. And then we had to bandage it in such a way that he couldn't lick it even inadvertently. And so this was an arduous process that we had to go through a week after week after week. But we were really starting to make some headway and I got to show you this was the best dog ever. And he knew exactly where he was going to be for whatever treatment. So here on the row right he just got done with his I. V. Therapies and his ozone and into the hyperbaric chamber. He goes like we didn't even have to pick him up. He was so good about going everywhere. He would jump up on the vibration plate just lay down and just enjoy his therapies. So in august we started using a product called five A L. A. Which is FDA approved for squamous cell carcinoma in humans. And then we photo activated it with red light so it's the red light is what you shining on. And we did it not only topically but if you look over the top of the picture he has an I. V. Catheter. And we're doing photodynamic therapy with red light intravenously as well. And he'd already gotten his I. V. Therapy so on the right hand side that's what he looked like after his therapy. This was one week later this is the underside of his lip and you can see the massive amount of erosion. And this tissue was really dense and thick but it was dying because when I was to inject it with I. C. G. Which is indo-sino green. This is the first product the first dive that was able to be photo activated with infrared light.

So again we're using photodynamic therapy which is a process where we take a product introduce it to the body and then we photo activated which makes means we make it more active. We make it more enzymatically effective. And so we had injected this with I. C. G. And we did infrared therapy intravenous and topical. This was him after his therapy and it's really starting



to look better. And this dog wagged his tail all day every day. It was just the happiest dog. But I was just showing the different areas of the lesion. And then we did on September we did another A. L. A. And now it wasn't as dramatic so we only had to give him a tranquilizer but the L. A. Had to stay on for three and a half hours so we had to keep him sedated and a bandage over the L. A. So he didn't lick it off. And then we photo activated it afterwards and you can see on the left hand side of the picture that's moving you can see where it's bumpy on the left hand side. So there was still some cancer there. This was him after the therapy. Now we're into September and we can start seeing where there's actual healing of the tissue. There's no more active tumors. And then November 15th. And that's him. And I think if we get another picture we're now in December, even the pink part will be gone and it just fully healed in like you you would never you can look at him and not even know that something happened. And that was a total of 24 weeks.

Michael Karlfeldt, ND, PhD

That's incredible. I mean that's incredible. I mean here you have you know this happy dog living. Yeah. I mean this looks great you know versus the option of cutting off the nose and give you three more months, you know, based upon that. I mean I mean this is incredible. I mean that that's really amazing and Yeah and just kind of seeing how the tumors. I mean and that's it shows how aggressive cancer can be and how persistent you need to be. But also then these different tools how they are, you know, regenerative, you know because it supports healthy tissue while then addressing abnormal tissue and then allowing them kind of that abnormal the cancer, you know just kind of push it's almost like you're clearing it out. You know what whatever energy your spirit it has. You know you just kind of allow it to come out and then you just deal with it as it comes until it gives up.

Marlene Siegel, DVM

That is a great analogy. And I think a lot of times until I started seeing cases like Bentley, you don't appreciate the depth of where the cancer is because you're seeing the surface. But like you just described as you start causing that cancer to be to the body to be aware that there's an abnormal cell. They're part of it is what we're doing on the outside. But a lot of it is what the body's doing from the inside out. So we see the cancer kind of coming up and dying and then the body is already repairing it. Like what a mechanism to be able to see how regenerative the body is. So we're looking at this case and going that's how was that able to go all the way to healing and not even appear like anything happened. And this was a graph that we had done. So it's not just science we were doing vitamin high dose vitamin C. Is one of our therapies. And we were monitoring his T. K. One which is a cancer marker. And the orange shows the TK one. So



every time we killed cancer cells we saw big rise in T. K. One. But then the following week there was less cancer cells. So there were smaller and smaller peaks. And that's exactly what the graph shows is. As every week we were killing cancer cells, there was less and less cancer cells. And then the blue is the high dose vitamin C.

So we would we learned what therapeutic levels were because there was none, nobody had any numbers. So we had to come up with doses that we had to extrapolate from the humans and then when was their peak? We didn't know. So we just had to keep testing until we figured it out. So thanks to Bentley, we really have some amazing data now and we have a healthy dog who was acting like a five year old puppy again, love lot of lot of ecstatic people. So this is Tucker. Tucker is a four year old. He was a four year old male neutered great Pyrenees and he was referred to me by another veterinarian because he began limping and wouldn't use his leg and there was swelling in the area. And we could see some little areas which means the bone was starting to get eaten away. So he was ultimately diagnosed with an osteosarcoma which is a very aggressive bone cancer. And in this picture where the arrow is pointing, you can see the swelling. Then you can see that little rough area which is periodic real reaction from the cancer. And then that hole is where the cancer is literally eating through the bone. And that was in November of 2018 here, he is getting all of the rainbow colors in his photodynamic therapy. And he got vitamin C. And curcumin and all the photo activators. And then in July of 2019, 9 months later and we only treated him one or two days a week. His entire cancer was resolving and the bone was filling in with cartilage and he was cancer free.

Michael Karlfeldt, ND, PhD

That's incredible. Can you go back to the where they see the photo? Yeah, that picture there, you know, So this is so cool and I mean we have the same machine here, but it's so cool to be able then to treat the whole blood volume with this light. I mean, we're all beings of light and we're all, you know, because we live inside so much and we're not out in the sun, like we're talking about before, we are getting deficient in light. And the mitochondria which produces energy in ourselves, our light, that it's light dependent. I mean frequencies, light frequencies help to drive that energy action through the mitochondria for tissue repair and detoxification for ozone production and all these kind of things. So here you're able then to put an optic cable into the bloodstream into the vein of the animal. And it will then treat them the blood as it's passing by with these these different frequencies and these frequencies have different effects and different functions.



Marlene Siegel, DVM

Absolutely. And we can see it happening. You actually see the metabolic changes in the body. It's remarkable and they tolerate it really well. So he just has a little catheter in his arm and it's a little fiber optic that feeds through a catheter and literally is staying in his vein. And then we change the colors on the lower left. You can see the orange cable. We change that, everything on his leg stays the same. But the cable changes on the machine to different colors.

Michael Karlfeldt, ND, PhD

Yeah, it's really cool.

Marlene Siegel, DVM

You know, nine months to heal from bone cancer. Seriously. In our last case, I know everybody wants to wrap this up. But this is little and little came in with this eye tumor. The significance of this was that I tumor was removed two times before me and it came back within days with a vengeance. So when he came to me as an integrated veterinarian, I'm gonna remove the mass and treat the underlying cause. So we changed his diet. And the owner's request was, can you make him visual again? I didn't even know what was underneath that. But veterinarians were brave souls and we just dive in and do it. And I literally found his eyeball and the tumor was located where it says area where tumor was. And I treated that with a chemical to help kill back any tumor cells that I couldn't reach. And that shows how much stretching that his skin had to do in order to keep letting that tumor grow. Because a lot of that tumor, what you saw was only part of it. The rest was underneath the eyelid. And that's the tumor. Like if that's literally the size of the tumor compared to his face, it was huge. And look at the distance, all that, the stretching of his eyelids. I really didn't know how his body was going to get back to normal. And it did. So we did laser therapy and lymphatic and the body has this most incredible ability to heal that we couldn't in a million years figure out how to do it any better. There he is five months later and cancer free.

Michael Karlfeldt, ND, PhD

That is, I mean, that's just incredible. You look at the first picture compared to this. I mean you yeah. I mean how in the world would you think that you'll be able to correct that and fix that? And then, you know, like you said, the body is just incredible when you support it appropriately then the ability it has to bring back what is normal. It's just, I mean, the intelligence of the body is just amazing.



Marlene Siegel, DVM

It really is remarkable. I am in awe on a daily basis. And there he is. That's little cool, cool. We did it

Michael Karlfeldt, ND, PhD

And there you are, we broke the chains of cancer.

Marlene Siegel, DVM

Yes. Broke the chains of limiting beliefs. And I just, I hope that as our audience is looking at this, that they really start to number one know that there is always hope. There's always something that they can do. Our animals are showing us that there is so much opportunity for healing not just the physical body, but like you started out saying the emotional body as well. You asked me about a case where an owner, I just want to share one more quickie and it was a dog that came in that was seizure ring. This dog had a brain tumor, it had Cushing's disease, it was obese, it had the worst case of pancreatitis. This is all in the same dog and we got the seizure to stop and I went out and I spoke to them and I said, we could keep going or we could say goodbye, what do you want to do?

And she said to me that they never got over the guilt of a previa this dog that they put down and they never got over the guilt of thinking they didn't try hard enough that they gave up too soon and they didn't know if they could have gotten better. And so she didn't want to give up. So we treated this dog and it went home the next day trotting amazing. Now it didn't live forever and had a brain tumor and Cushing's disease. So eventually the seizures came back, but this time they were more prepared to say goodbye because they realized they really are. Our data came back in all our tests came back in and so they knew really what they were dealing with, but they're not going to have the same level of guilt about not trying as they now have with the peace knowing that they did the best that they could.

Michael Karlfeldt, ND, PhD

Yeah, love it, love it. Well, I what, what incredible stories and and and what I think is so amazing with this is that it really highlights, you know, the powerful tools that exist and how integrative medicine, both in the veterinary world and also in in human world, how it's advancing and then you and bringing that in along with traditional medical care, how much more powerful that is and how you look and see what you want to bring the best of both worlds at the same time.



Marlene Siegel, DVM

Absolutely. There's so many things that I'm trying to do the stop share for you, there are so many different things that we can do. We that were so empowered to do. But the two things that cause people to fail is one, a lack of knowledge. Well, you know, this whole entire summit that you're putting on is a plethora of knowledge. But the second part is the ability to implement it and often times when people get done with all these amazing speakers that you have and they're sitting there going, I don't know where to start. Like there's just too much information in my life, I can see that I've done everything wrong and where do I start? And the answer is to work with somebody who can help you with the plan with your on the human side. You know they can work with you on the animal side. I do consultations but the main thing is get education and then have an implementer ble plan so that you can start adding one thing that you haven't done yet and delete something you shouldn't be doing. And then next week add one more thing to your list and delete one more thing from your list. And within just a few weeks you've made dramatic improvements to your pet's health and more than likely to your own health because you've made improvements to your environ.

Michael Karlfeldt, ND, PhD

Yeah and and and it's important for people to understand that. Yes. I mean we there's some amazing tools, amazing machines and amazing therapies that are out there. But if you start to solidify the basics, you know your mindset, your movement and your nutrition. If you just establish that, then you've gone far and then you see kind of how the body is responding and then you look and see what is the next step, you know where where am I missing? What am I missing and then you can then implement you know the next step, you know whether it's ozone, whether it's you know intravenous laser therapy that they were doing whether hydrogen, whether, you know, vagus nerve stimulation, I mean whatever that is, you know, there's so many cool things but to stay establish then the foundation, because those are steps that each one of us can do, and each step we're taking in the right direction, is a step in the right direction, the body is going to respond.

Marlene Siegel, DVM

Absolutely. On the last page of the presentation there's a free e book. If owners want to download it, it's called holistichealingvet.com and it is the six steps to healing. So if you can just implement those steps, 123456, some part of that, you're going to make a huge improvement,

Michael Karlfeldt, ND, PhD

Love it, love it.



Regenerative Medicine Summit

Marlene Siegel, DVM

Health and longevity of your pets.

Michael Karlfeldt, ND, PhD

Well Dr. Marlene Siegel, I am so there's so cool stories and it is just amazing to see what can be done you know, with these amazing therapies. Thank you so much.

Marlene Siegel, DVM

Thank you blessings everybody

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