

News

Multi Radiance Medical lasers treat burned koalas in Australia, and other injured animals and humans around the world

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By [Roxanne Washington, The Plain Dealer](#)

Cleveland, Ohio - Koala bears that were burned during the fires in Australia are experiencing reduced discomfort and faster healing thanks to laser treatments made possible by Multi Radiance Medical headquartered in Solon.

“We’ve treated a lot of burn patients over the years and I was very impressed. I really do think it speeds up healing,” said Cheyne Flanagan, Clinical Director, Port Macquarie Koala Hospital in New South Wales. “While we might normally have 2 to 3 koalas as patients, with the fires this increased to 60, our maximum capacity.

Closer to home, at Broadview Animal & Bird Hospital in Seven Hills, just-neutered seven-month-old Mustafa, a Rottweiler, is stretched out on his back as Dr. Steven Shaw comforts the pup. Meanwhile, vet technician Gabriela Herrera hovers a cordless Multi Radiance My Pet Laser over Mustafa’s post-surgical incision.

“The three things that are happening here are that the laser is reducing pain, reducing inflammation by increasing the blood flow and accelerating healing,” said Shaw, owner of the 30-year-old hospital. “We use these lasers 10-15 times a day to treat a variety of conditions. We use them for post-surgical recovery, chronic pain, fractures, wounds, arthritic pain, to control infection, treat muscle sprains and strains, dental procedures and more.”

Multi Radiance designs and manufactures non-invasive laser therapy devices for veterinary and human applications. The therapy is used for a wide range of patient conditions, including physical therapy, orthopedics,

outpatient clinics and chiropractic offices, as well as athletes at hundreds of high schools, colleges and professional sports teams worldwide. The laser models include multi emitter consoles and portable rechargeable lasers that clients can use more conveniently and stress free at home for better outcomes. Vets report much higher compliance by reducing the trips and the stress that it causes for our pets. It's a win for everybody, said company President & CEO, Max Kanarsky.

“Clinicians and professionals purchase them directly from us and appreciate our very extensive educational and technical support,” Kanarsky added. “They then rent the consumer versions to their veterinary and human patients.”

Broadview Animal & Bird Hospital rents the portable My Pet Lasers by Multi Radiance to pet parents.

“We just started offering this service within the past three months,” said Shaw. “That’s because people are becoming more familiar with it. Sometimes it takes a lot of effort to get a pet here several times a week for treatment. Now the owners can treat their pets three times a day or whatever is needed in the comfort of their own homes.”

Multi Radiance Super pulsed Laser Technology works by delivering light energy to targeted tissues, such as muscles, ligaments and tendons, to accelerate the biological activity that transforms the light into cellular energy, Kanarsky said.

“This helps to resolve pain, promote blood flow and reduce inflammation,” Kanarsky added. “This process is known as photobiomodulation. These low doses of light provide non-thermal, non-invasive, non-drug pain relief while reducing inflammation and promoting tissue repair for a wide range of medical conditions, such as muscle and joint inflammatory pain, muscle tears and edema, stiffness associated with arthritis, pain associated with muscle spasms, hand and wrist pain, even a neck and shoulder pain FDA clearance.”

Multi Radiance launched about 15 years ago geared primarily to the physical therapy and rehabilitation markets. The core technology for the laser was developed in the former Soviet Union as part of their space program, Kanarsky said. When the Soviet Union broke up a private company took over the laser therapy technology. Kanarsky, 47, grew up in the Soviet Union and has lived in the Cleveland area since 1991. He acquired the technology and brought it here in the early 2000’s. The company received FDA approval a few years later. “We started in 2005 after receiving our first FDA clearance and over the years became the developer, manufacturer and marketer,” Kanarsky said. “We have developed and grown as a medical device company by investing in research. There have been more than 6,000 studies proving its efficacy and safety. It has advanced tremendously since its original design.”

The company has grown by double digits almost every year and has become one of the major players in the laser therapy medical market.

“There is a big shift underway in healthcare towards evidence-based alternatives to drugs and surgery,” said Kanarsky. “And, for fighting infection, which our blue wave-length does very efficiently.”

Multi Radiance now has operations in more than 30 markets of the world and approvals on all continents including Europe, Asia, Australia, South America and in Canada. Multi Radiance started as a marketing and distribution company focusing on the United States, but has evolved into a medical device manufacturer by investing in research and development, and global marketing.

Mark Strong, Director of Global Business Development, launched the veterinary division in 2010, and this rapidly became a significant part of the company.

“From pain management to post op care, our lasers are used by zoos, wildlife rescue hospitals, aquariums, government research and private practices in the United States and now globally,” said Strong. “They are helping everything from kittens to elephants, dolphins, even a Komodo dragon. We’ve become a world leader in equestrian sports for riders and horses.

Said Kanarsky, “We have many videos from our vets showing injured dogs being treated with the laser for

lameness and in just minutes they've been able to walk again. Or, older horses that the owner was thinking about putting down due to chronic pain, and then recovers to much better quality of life with maintenance treatments with our Laser."

Dr. Marlene Siegel, owner of Pasco Veterinary Medical Center in Lutz, Florida, has treated her patients with lasers for 10 years, 6 of those with Multi Radiance lasers. She now also rents the My Pet Lasers to pet parents.

"We use the lasers for many purposes, such as on wounds to control infection," Siegel said. "So, if there is an infection, like the koalas with tissue burns, the laser can act as a disinfectant. But, it's safer than conventional antibiotics because it doesn't have side effects. And, the laser quickly reduces the severe burn pain these victims experience. The laser also has the ability to calm animals. It stimulates the production of serotonin, the hormone that helps reduce anxiety. Obviously, these animals are terrified, their homes were destroyed, and they're surrounded by people which they're not used to. This calms them in a natural way which in itself promotes more complete healing."

Multi Radiance participates at more two hundred conferences and trade shows worldwide every year. As with any new technology or applications, education is the key to growth, said Kanarsky.

Multi Radiance research is exploring additional uses for laser therapy.

“The technology is primarily cleared for pain management,” Kanarsky added. “But we are investing in research for a number of indications beyond pain. It has a great systemic effects on human and animal organism, and we’re committed to introducing many new applications in the future.”