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THE
SUMMER COOL

VETERINARY ULTRASONOGRAPHY

The Veterinarian's third eye Applications
and Benefits for Animals



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BANNED 23 DOG BREEDS IN INDIA

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Editor's Note



Har Ghar Labrador

In a recent move aimed at curbing dog attacks, the Indian government issued a circular banning the import, breeding, and sale of 23 dog breeds deemed "dangerous." This includes popular breeds like Rottweilers, Pitbulls, and Japanese Akitas. While the intent to promote public safety is commendable, the ban has sparked debate among pet owners, breeders, and animal rights activists.

The impugned order does not reveal any scientific or empirical data that was placed before the expert committee for classification. Where as cases of Stray Dog bites are notable high. One can see breed ban as act of deflection from responsibilities in election season.

The legal status of the ban is still evolving, with some high courts issuing stays on its implementation. We will provide our readers with the most current information available.

Summers season is heating up, its time to give our pets a little more attention and care. Sun protection is another crucial aspect of summer pet care. While some animals, like humans, can get sunburned, others are at risk of heatstroke. This can be minimized by limit your furry baby exposure to direct sunlight during peak hours, provide shaded areas for them to rest, and consider using pet-safe sunscreen on sensitive areas.

Summer is also prime time for pesky parasites like fleas, ticks, and mosquitoes. Ensure your pet is up-to-date on their flea and tick prevention medication, and consider using pet-safe insect repellents to ward off mosquitoes and other biting insects.

Furthermore, elections are coming exercise your democratic right to vote in the upcoming elections, let us remember the voiceless creatures who depend on us for their protection and well-being. we can create positive change that extends far beyond the ballot box.

Sudhir Aheriya

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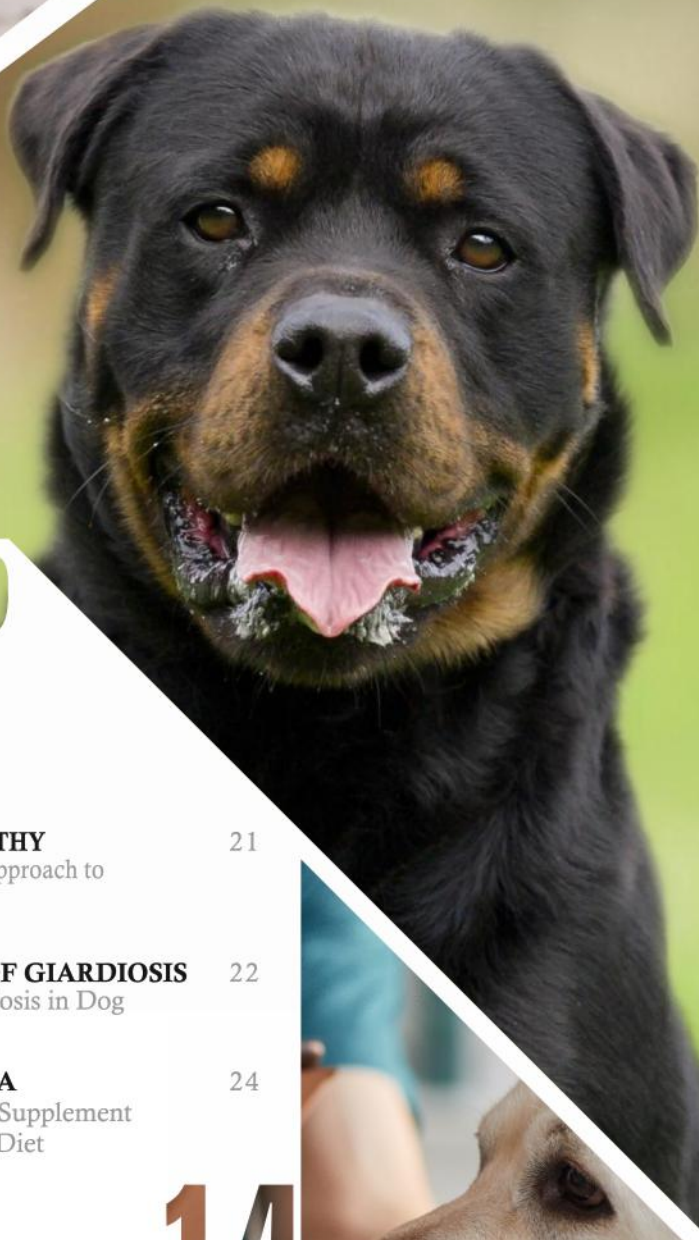
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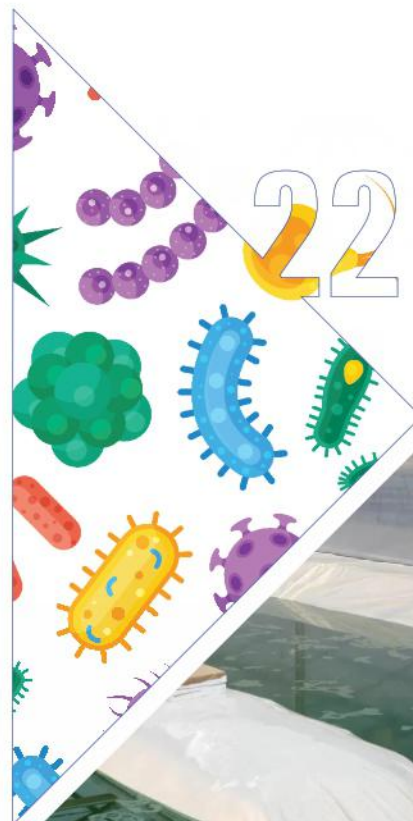
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THE SUMMER COOL

SKIN PROBLEMS AND SIGNALS YOU SHOULDN'T IGNORE!

Long trees and pools—it's time for the summer cool! Summer is one of the most beloved seasons of the year. The reason? Hey, it's vacation time. Not just for humans, summer is the kind of season loved by all, including our furry friends. Pets get to spend more time with their favourite humans, run around, and probably sometimes hop on the backseat and go on a mini getaway with their family. With the bundle of happiness comes another smaller yet significant bundle of responsibilities. Due to ongoing climate change, the summer temperature has been at an all-time high. Due to excess heat and humidity, pets tend to suffer considerably due to the strength at which the sun shines. Yes, it's all fun and games until it gets humid and irritates with scratching and itching. Let us understand what precautions you must take to keep your pets' health super cool and fine this summer.

The Fur Factor:

Our pets are often loved and adored for their lustrous coats and fur quality. Fur also tends to reflect any ailments your pet may suffer internally. The correlation here is that the skin is the body's biggest organ, and the skin and fur quality depends upon certain vitamins and minerals or macro and micronutrients.

Whenever pets are suffering from any ailment, such as an infection, the body's immunity falls, which causes infectious agents to attack, thereby causing the skin to be more prone to secondary infections, reflecting vividly on the skin and fur quality. While fur is an excellent insulator and protects the body from all odds, it is also an indicator of your dog's health status.



While it does add to the beauty of a dog, it is also a good reflective mirror, which can give you an idea of an underlying issue. Your pet might experience fur loss, a rough coat, dull color, loss of luster, etc. While there are many biological conditions that are at play apart from infectious reasons, from nutritional imbalances to hormonal harmony to seasonal shedding changes, summers can play a role in skin problem flare-ups. Let us understand how.

It's hot and humid: humidity that causes double trouble.

Due to an increase in moisture content, the atmosphere becomes extremely gloomy and irritating, both for humans and pets. Yeasts and secondary bacterial infections are extremely common in dogs, especially pets with excessive skin folds, such as pugs.

Naturally, the skin harbors a variety of microflora, which are technically in close symbiotic association with the body. They help guard the body and fight pathogens that are potentially harmful to it. What happens here is that, due to excessive humidity and heat, there may be an overgrowth of yeast and similar infectious agents that end up causing your pets to itch and scratch; thereby, these infections manifest themselves as the typical signs and symptoms that you may observe.

The Rash Drive: Heat and Rashes

Some pets may have sensitive skin, and that may reflect very vividly. After exposure to the summer heat, some pets end up itching and scratching themselves excessively. This is commonly referred to as heat rash. The skin condition may aggravate partly due to repeated exposure to heat and partly due to excessive scratching and itching. Certain pets end up hurting themselves even more by violently scratching themselves and itching excessively.

Shed, do not fret: shedding season or summer heat?

There is nothing to worry about if you see greater fur loss than usual during shedding season, even though the majority of dogs shed their fur at least once or twice a year. Because damaged fur occasionally sheds, old fur must be let go in order for new fur to develop. When fresh fur needs to grow, there is some shearing. Additionally, shedding is influenced by the time of year, one's health, and one's age.

The hot, humid weather tends to happen during or just before the summer, although it can also happen more frequently in June and July. You shouldn't be concerned because this is a completely normal and natural behaviour seen in dogs and cats.



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However, if you observe any other concurrent health conditions or skin infections, you might need to give your vet a visit to ensure safety, as "prevention is always better than cure". Skin infections and issues should not be taken lightly, as they might be secondary to some other health issue.

The ABCs of Allergy: What Exactly Causes Itching?

Not all skin-related problems are due to infections caused by bacteria or fungi; some skin-related issues flare up time and again due to allergens. Some pets are sensitive to gluten found in rotis and chapatis, which may aggravate skin itching and related symptoms.

Other items that may cause allergies in your pet include dust, pollen, certain types of weeds, grasses, etc. Exposure to these items may cause itching, sneezing, and other symptoms, hinting toward an allergen-induced dermatitis etiology.

Here's what you can do:

- 🐾 Bathe your pet at regular intervals.
- 🐾 Anti-tick and flea shampoos should be spot-on, and medicines should be used at prescribed intervals.
- 🐾 A proper vaccination and deworming schedule must be followed.
- 🐾 Do not try to self-medicate with any anti-histaminic drugs, etc.
- 🐾 Apply the ointments specified for skin rashes, etc., as prescribed.
- 🐾 Pat your pet dry after every bath.

Check for the following spots on a regular basis:

- 🐾 Nail Bed.
- 🐾 All four paws.
- 🐾 Near tail.
- 🐾 Near the neck and ears, check for any ticks or fleas around these regions.

The Clues And The Puzzle: Diagnosing And Treating Skin Infections

While skin infections are one of the most tedious kinds of infections to cure, an apt diagnosis helps in treating the root cause of the infection effectively. Here are a couple of steps your veterinarian will take to help your pet:

1. **Skin scraping tests:** through this test, mange-associated mites can be observed under the microscope. Besides skin scraping tests for mites, certain dyes can help diagnose fungal or bacterial agents.
2. **History taking:** History taking plays an important role in figuring out the root cause of any disease. This also helps in understanding the allergic causes of coat-fur-related problems, if any.
3. **Deworming schedule:** routine deworming is extremely important to prevent any secondary infections, coat-related problems, etc.
4. **Flea and tick control:** fleas and ticks are extremely vicious. They affect the external fur coat and skin and store infectious agents such as tapeworms and tick-fever-associated agents like Babesia, Anaplasma, etc.

The treatment protocol involves a holistic approach. The treatment regime consists of oral medications for allergic itching, such as anti-histaminic tablets, antibiotics, and the use of certain selenium-zinc supplements. Apart from oral medications, oils and medicated shampoos are prescribed, which are tailored specifically to certain conditions. The homeopathic remedy Dermisule plays an important role in curing skin infections and associated signs and symptoms. Coupled with the Me, My Skin, and Coat Pet Supplement, it helps heal the skin and hasten recovery.



While there are many reasons behind hair fall, dry skin, itchy and scaly skin, and a rough hair coat, these conditions could be reversed by adopting good sanitation and nutritional practices. My Skin and Coat pet supplement, along with Dermisule, helps maintain the quality of fur and regain and protect natural skin and coat after injuries, cracks, scaly eruptions, or any acute skin lesion in pets ...

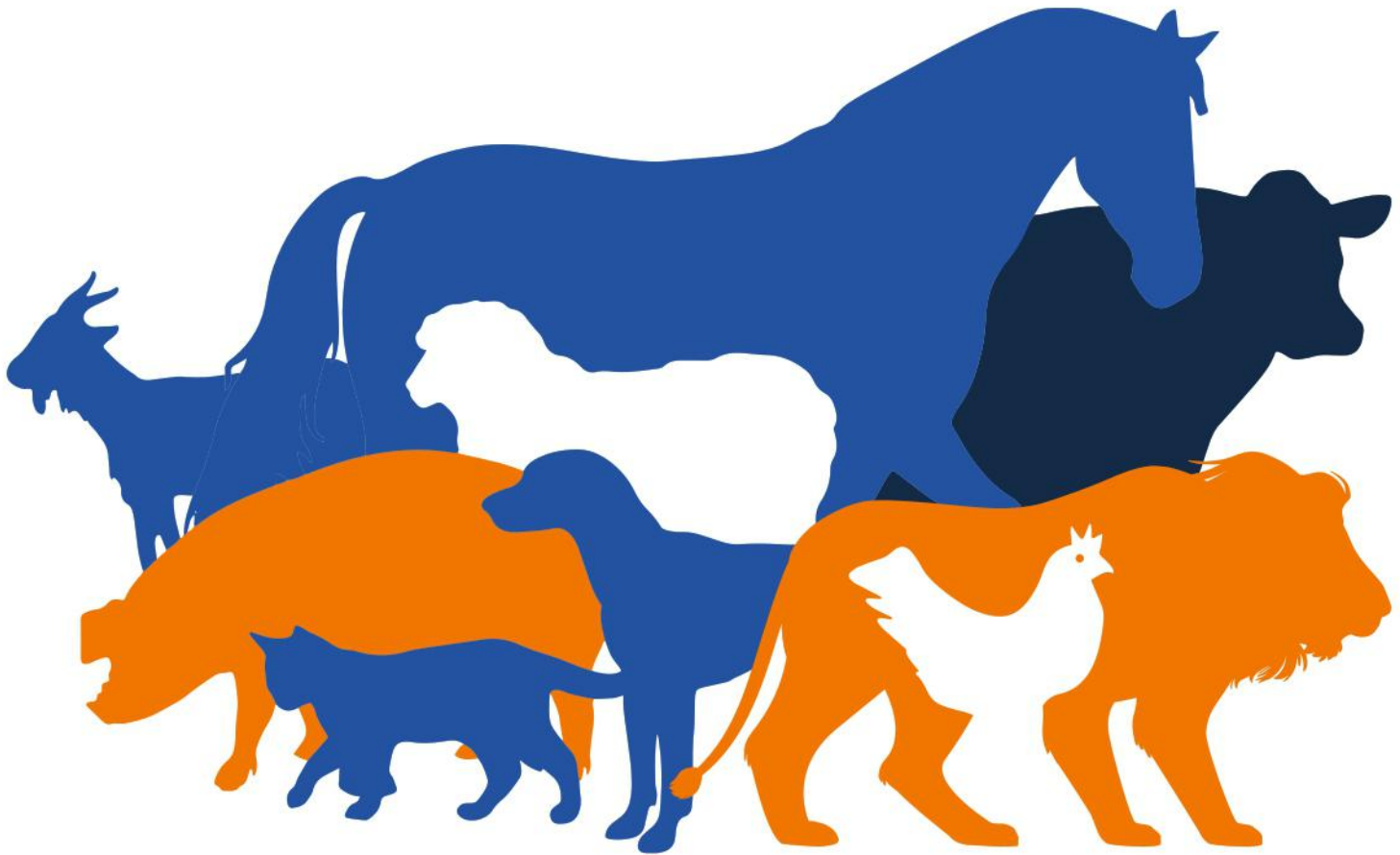




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Lime Sulfur (Lotion, Shampoo, Spray) is a solution that is used to treat various skin condition in pets. It is made up of lime with Sulfure mixing with scientific way manufacturing we find a calcium polysulfid. Thats combination is effective to eliminate fungus and bacterial infection that causes skin problem in pets.

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Lime Sulfur (Lotion, Shampoo, Spray) works by killing the fungal, bacterial and parasitic organism that cause skin infection in animal. The Sulfur in the solution penetrates that skin and hair follicles, where it disrupts the cellular metabolism of these organisms, ultimately leading to their death. When applied to the animals skin, Lime Sulfur also helped to relieve itching and skin irritations.

It has an antipruritic effect, which help to reduce the animal surge to scratch bite at its skin. This prevents the animal from further damaging its skin, which can lead to secondary infection.

When should use Lime Sulfur (Lotion, Shampoo Spray)?

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- 🐾 Fungal
- 🐾 Ringworm
- 🐾 Mange
- 🐾 Flea Infestations
- 🐾 Skin Allergies
- 🐾 Hot Spots
- 🐾 Skin Infection
- 🐾 Scabies

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In Conversation with **DR. PRABHAKARAN PALANICHAMY**

Senior Veterinary Expert, DCC Animal Hospital



Looking back on your 21 years as a veterinarian, what would you say has been the most rewarding aspect of your career?

For the past 21 years, I have dedicated my work in the welfare sector to the most rewarding cause: assisting animals lacking access to quality veterinary care. These animals, often found on the streets, face a stark reality compared to the standard medical care our pets receive. My passion for helping animals extended beyond just them; it also provided an opportunity to aid those who suffer in silence due to neglect and lack of dedicated caretakers and sponsors. It brought immense satisfaction to witness these animals, facing immense challenges and struggling for survival on the streets, not only benefit from my knowledge but also make a full recovery.

Your postgraduate thesis focused on pododermatitis. Can you explain what this is and why it was a topic of particular interest to you?

Pododermatitis, a common skin condition affecting the paws of dogs and cats, was suggested for research by my professors. This topic is particularly relevant in India, a breeding ground for various bacterial and fungal infections due to its humid climate.

You mentioned a keen interest in ophthalmology beyond your area of expertise in dermatology. What drives your passion for this specific field?

While my postgraduate thesis focused on dermatology, my time in animal welfare exposed me to a wide range of medical conditions, providing me with the opportunity to address diverse cases. My experience extended beyond dermatology, prompting me to delve deeper into other fields through dedicated study and research. Among these, ophthalmology particularly piqued my interest. After all, our eyes are not only windows to the world but also crucial for expressing emotions in animals. Additionally, they rely heavily on their vision to navigate their environment and ensure their safety. If vision impairment presents a significant challenge for humans, it becomes exponentially more impactful for animals suffering from vision loss.

What made you choose to work with DCC Animal Hospital (Dogs, Cats & Companions)?

After two decades in animal welfare, I sought a new challenge and found it at DCC Animal Hospital (Dogs, Cats & Companions). This hospital provides the perfect environment for me to continue learning and growing, making a positive impact on the lives of pets and their families. The facilities and overall environment convinced me that I can contribute significantly to the healthcare of companion animals while simultaneously pursuing further knowledge and learning within the field of veterinary science. Finally, a meeting with Dr. Vinod Sharma, our esteemed Director, solidified my conviction and led me to join the exceptional team at DCC Animal Hospital.

What aligns with your values and goals as a veterinarian?

As a veterinarian what is most important to me is ethical medical practices and honesty in my profession along with my ultimate commitment to my patient. My goal is to ensure my veterinary skills and expertise benefit the maximum number of animals in distress.

As a frequent participant in international conferences, how do you think it's important for professionals in the veterinary field to collaborate and share knowledge on a global scale?

For the past 16 years, attending international veterinary conferences has been an integral part of my professional development. These conferences allow me to build upon my knowledge from veterinary school and experience, staying current in the ever-evolving field of veterinary science. New research constantly challenges and refines existing practices, highlighting the importance of continuous learning. Collaborative knowledge sharing, fostered by a global community of dedicated veterinarians, is key to staying abreast of the latest advancements, including ground breaking techniques and innovative medicines. Participating actively in international conferences allows me to contribute to this invaluable exchange, ultimately benefiting the entire profession and improving animal healthcare on a global scale.

What advice would you give to someone considering a career in veterinary medicine?

Whatever you do stay true to your profession and pursue it with passion and dedication. Never forget your duty surpasses that of a human doctor because your patients cannot speak for themselves.

What are your hopes for the future of animal welfare and the veterinary field in general?

When I first stepped into the world of animal welfare 20 years back the scene was completely different. There was not enough awareness, enough rescuers, enough shelters, and enough people contributing to the cause. But what I have seen in the last 20 years gives me immense hope as more animal lovers are actively participating in rescue work and sharing in the responsibilities that were earlier left completely to animal shelters. They are hands-on and are working hand in hand with veterinarians, shelter workers, and animal experts to assist more animals in distress. As in everything, there is always a downside with many of these rescuers also "playing vet" on their own while some are also running scams to make money. But at the end of the day, I believe the good done is more than the bad, and as people grow more aware the right checks can only improve the animal welfare situation in our country.

Same with the Veterinary field, while earlier most vets opted for veterinary like me because they could not make it through human medicine now, I see youngsters making a conscious decision to be vets because of their passion and drive to help animals, and not because they had no alternative. This gives hope for a new generation of vets who will make a huge difference in this field. Also, there has been much progress in access to veterinary

medicines and veterinary drugs which were earlier unavailable are now easily found making it easier to provide quality healthcare to the animals who need help. It gives me hope that from here we will only be moving forward and thanks to efforts made by the likes of DCC Animal Hospital quality pet care is now available right around the corner.

Is there anything else you would like our readers to know about your work, your passion for animals, or your journey as a veterinarian?

I have always loved animals though as a family we never had pets growing up. My first choice of profession was human medicine and to be specific Paediatrics. But when I did not get through on my first attempt, I did not want to waste time trying again and chose veterinary as my alternative. And maybe it was destiny but in my pursuit of being a veterinarian, I realized how deep my love & passion for animals ran. Without being a veterinarian, I doubt I would have discovered the intensity of this passion I carried. Now apart from parenting 7 dogs (all adopted), I have fostered over 300 dogs & cats at home in the last 20 years as well as adopted more than 30 dogs from the shelter. I would think every minute of every day full of animals should tire me of their company but on the contrary, I find solace in going to feed my 35 friends on the streets every day who wait for me come rain or shine. But what I feel helped me become a better veterinarian was starting my journey in welfare and understanding the pain and trauma of animals out there on the streets brave every day. Working in a sterile environment with only pets as my patient would have never given me the exposure, I was blessed to have thanks to my time working in an animal shelter...

Summer Stress

Tips For Keeping Your Dog Safe This Summer

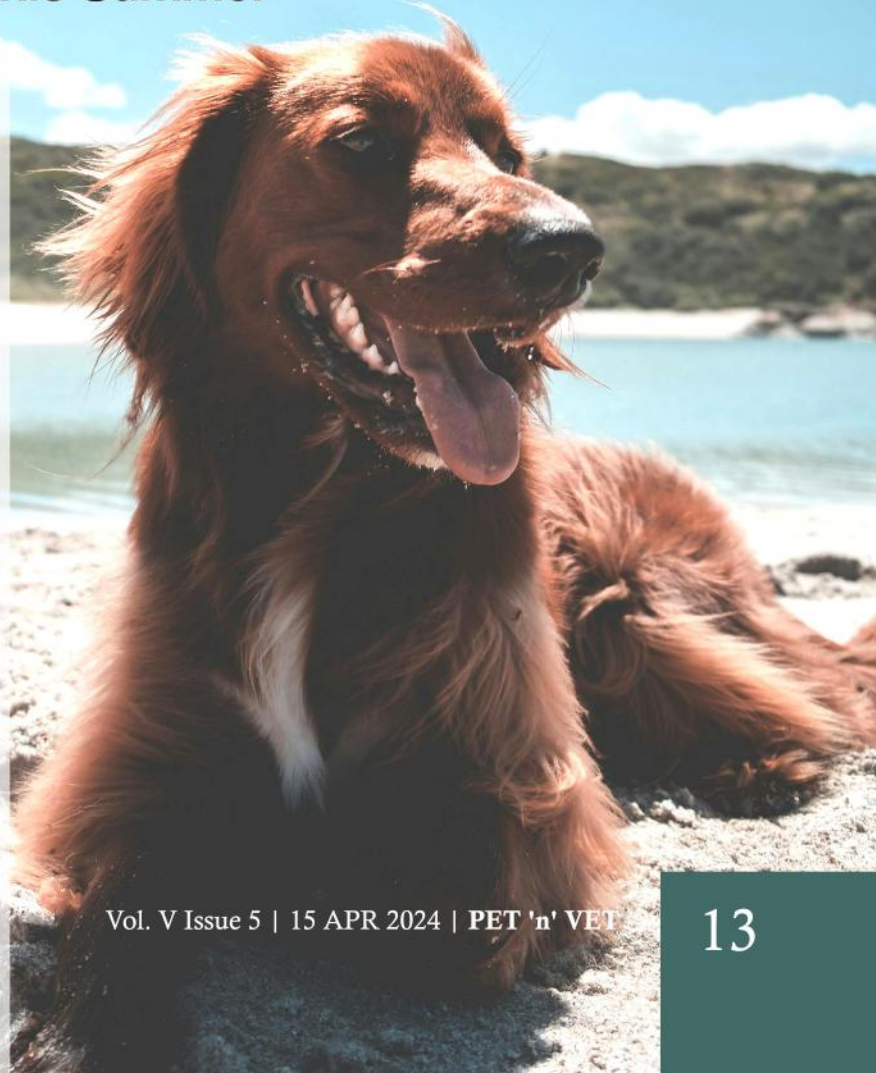
Summer is a time for outdoor adventures with our furry friends! Whether it's park walks, hikes, beach trips, or family vacations, the sunshine beckons us and our canine companions.

But hot weather can be tough on dogs, posing more risks than just discomfort. From bug bites and sunburn to heatstroke, there's more to watch out for during the summer months.

Here are some key safety points to remember as the temperature rises, along with tips to keep your dog happy and healthy all summer long:

- ☛ **Shade and Shelter:** Provide a cool, shaded area for your dog to relax outdoors on hot days. A kiddie pool or a damp towel can also be a welcome relief. While doghouses might seem like an option, they can actually trap heat, so air conditioning indoors is the best place for them to cool down.
- ☛ **Hydration is Key:** Fresh, cool water is essential! Consider an insulated dog bowl to keep the water colder for longer.
- ☛ **Adjust Exercise Routines:** Avoid strenuous activity during the hottest parts of the day. Early mornings and evenings are ideal for walks when the sun's heat is less intense.
- ☛ **Paws on the Ground:** Hot pavement and sand can burn your dog's paws. Avoid prolonged walks on these surfaces during the heat of the day. If you're unsure about the temperature, test it with your bare hand. If it's too hot for you, it's too hot for your dog.
- ☛ **Breeds with Special Needs:** Brachycephalic dog breeds, like bulldogs, pugs, and Pekingese, have short snouts that make panting difficult. These breeds are especially vulnerable in hot weather and should be kept cool in air-conditioned spaces.

By following these simple tips, you can ensure your dog stays safe and has a fun-filled summer alongside you! ...





Veterinary Ultrasonography:

The Veterinarian's third eye Applications and Benefits for Animals

Dr. Rutuja Sawant, Dr. Harshal Patil - M.V.Sc Surgery and Radiology

The veterinary medicine is no exception to the technical advancements nowadays. The use of ultrasound is one of the most significant advancements in veterinary diagnostics and has now become an indispensable tool in veterinary practices worldwide.

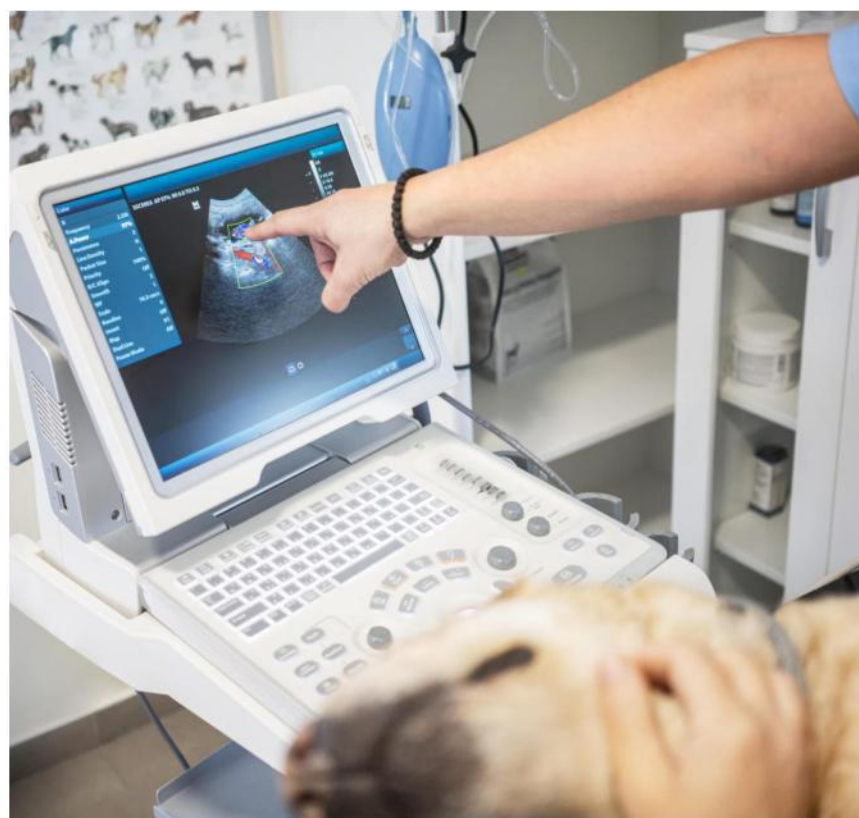
Applications of Ultrasound in Veterinary Medicine

- ❖ **Abdominal Imaging:** Abdominal imaging is one of the most common applications of ultrasound in veterinary medicine. It is widely being used to examine organs such as the liver, spleen, kidneys, bladder, and gastrointestinal tract. Its non-invasive nature makes it an effective aid in diagnosing conditions like organ enlargement, tumors, stones, and other abnormalities.
- ❖ **Cardiac Imaging:** Cardiac ultrasonography is also known as echocardiography. It provides valuable information about heart chambers, valves, and blood flow. It is crucial in diagnosing heart diseases and determining appropriate treatment plans.
- ❖ **Pregnancy Diagnosis and Monitoring:** Ultrasound is indispensable in confirming pregnancy in various animal species. Veterinarians use ultrasound to visualize embryos and monitor fetal growth throughout pregnancy. This information is vital for ensuring a healthy pregnancy and successful delivery.
- ❖ **Musculoskeletal Imaging:** In animals with orthopaedic or soft tissue injuries, ultrasound helps evaluate tendons, ligaments, muscles, and joints. This aids in diagnosing conditions such as tears, inflammation, or arthritis accurately.
- ❖ **Ophthalmic Imaging:** It aids in diagnosing conditions such as cataracts, retinal detachment, and intraocular tumors, when direct visualization is challenging.

Benefits of Ultrasound in Veterinary Medicine

- ❖ **Non-Invasive and Safe:** It is safe for animals of any age or size as it does not use ionizing radiation and is non-invasive. It can be used multiple times without causing harm, which is particularly important for monitoring chronic conditions.
- ❖ **Real-Time Imaging:** The real-time nature of ultrasound allows veterinarians to observe the dynamic movements and changes within an animal's body in live action. This capability is especially useful in assessing cardiac function and diagnosing gastrointestinal issues.

- ❖ **Accurate and Precise:** Ultrasound offers high-resolution images, allowing accurate identification of abnormalities and precisely guide diagnostic and therapeutic procedures, ultimately leading to more effective treatment plans and improved outcomes.
- ❖ **Cost-Effective:** Ultrasound is generally more cost-effective compared to other advanced imaging techniques, such as magnetic resonance imaging (MRI) or computed tomography (CT). This makes it a practical choice for both general check-ups and specialized diagnostic needs.



Frequently Asked Questions by pet parents



Is ultrasound safe for animals?

Yes, ultrasound is a safe imaging technique. It uses high-frequency sound waves, which are non-invasive and do not involve ionizing radiation, making it harmless to animals of all ages and sizes. This modality is safe to use repeatedly without any negative consequences.

How is ultrasound used in diagnosing heart conditions in animals?

Electrocardiography is ultrasonography of heart which provide detailed images of the heart's structure and function. It helps in visualizing the heart chambers, valves, and blood flow, diagnosing the heart diseases.

Can ultrasound be used for pregnancy diagnosis in different animal species?

Yes, ultrasound is widely used for pregnancy diagnosis in various animal species. It allows real time visualization of embryos and monitor fetal growth throughout pregnancy. Providing crucial information for ensuring a healthy pregnancy and successful delivery.

What types of conditions can be diagnosed through abdominal ultrasound in animals?

Abdominal ultrasound is used to examine organs such as the liver, spleen, kidneys, bladder, and gastrointestinal tract. It helps diagnose conditions like organ enlargement, tumors, stones, and other abnormalities.

Can ultrasound be used for musculoskeletal injuries in animals?

Yes, ultrasound is an effective tool for evaluating musculoskeletal injuries in animals. It helps in assessing the tendons, ligaments, muscles, and joints. Effective in the diagnosis of conditions such as tears, inflammation, or arthritis.

Is ultrasound better than other imaging techniques like MRI or CT for animals?

Its non-invasive, cost-effective nature makes it valuable tool in diagnosis and also does not require anaesthesia in most cases.

However, each imaging technique has its strengths and limitations, and the choice depends on the specific diagnostic needs of the animal and the condition being investigated.

Can ultrasound be used for eye conditions in animals?

Yes, ultrasound can be used for assessing eye conditions in animals such as cataracts, retinal detachment, and intraocular tumors.

How long does an ultrasound procedure take for animals?

In general, most ultrasound exams can be completed within 20 to 60 minutes. The duration of an ultrasound procedure varies depending on the specific purpose and the area being examined..

Are there any preparations required before an ultrasound for my pet?

Your veterinarian will provide instructions, which may include fasting your pet for a certain period before the procedure especially for abdominal or gastrointestinal ultrasounds.

Are there any risks or side effects associated with ultrasound for animals?

Ultrasound is considered a safe imaging technique and does not have any known side effects or risks when performed by a qualified veterinarian. It is a radiation-free and non-invasive procedure that poses no harm to animals.

Can ultrasound be used for small animals like birds or reptiles?

Yes, it is a versatile imaging modality that can be applied to various animal species like birds, reptiles, and other exotic pets.

How often should my pet undergo an ultrasound examination?

The frequency of ultrasound examinations depends on your pet's health condition and the veterinarian's recommendation. For general check-ups, ultrasound may not be necessary unless there are specific health concerns. For animals with chronic conditions, monitoring with ultrasound may be required at regular intervals.

Can ultrasound detect cancer in animals?

Ultrasound can help detect certain types of tumors and masses in animals. However, for a definitive cancer diagnosis, additional tests such as biopsies may be necessary.

Can ultrasound be used for emergency situations in animals?

Yes, ultrasound is often used in emergency situations for rapid assessment of certain conditions, such as detecting internal bleeding or assessing cardiac function.

Do animals need to be sedated during an ultrasound procedure?

In most cases, animals do not require sedation for an ultrasound examination. They can remain calm and cooperative during the procedure. However, in some instances where the animal may be anxious or uncooperative, sedation may be used to ensure a successful examination.

Conclusion

Ultrasound has become indispensable tool in veterinary medicine. It offers a safe, non-invasive, and dependable means of diagnosing and monitoring a broad range of animal conditions. Its applications in abdominal, cardiac, musculoskeletal, ophthalmic imaging, and pregnancy monitoring have significantly improved the standard of care for our beloved animal companions. As technology continues to advance, ultrasound will undoubtedly remain a critical tool in improving veterinary diagnostics and promoting the health and well-being of animals for many years to come. ...



BANNED

GOVERNMENT BANNED 23 DOG BREEDS IN INDIA

In response to a surge in dog attack cases, the Indian government has taken proactive measures to address public safety concerns. Recently, a letter from the Department of Animal Husbandry and Dairying urged state governments to ban the import, sale, and breeding of specific dog breeds deemed dangerous. This decision comes after careful consideration by a committee comprising experts and animal welfare groups, responding to an order from the Delhi High Court.

The banned breeds, including Pitbulls, Rottweilers, Terriers, Mastiffs, and their cross-breeds, are believed to pose significant risks to public safety due to their potential for aggression. The comprehensive list encompasses 23 breeds, with the goal of reducing the incidence of dog attacks and promoting responsible pet ownership.

Pet owners possessing banned breeds are encouraged to have their animals sterilized to prevent further breeding. This proactive approach aims to mitigate future risks while safeguarding both human and animal welfare.

While this decision may spark debate, it aligns with international efforts to regulate certain breeds for public safety. For instance, Pit Bulls are banned or restricted in 20 states across the United States, reflecting similar concerns about aggressive behavior. Ultimately, India's ban on dangerous dog breeds underscores the importance of prioritizing public safety and responsible pet ownership. By implementing these measures, authorities aim to create safer communities while ensuring the well-being of both humans and animals alike. ...



The complete list of dog breeds banned by the government in India is:

- | | | |
|-----------------------------------|--------------------------------|-------------------------|
| 1. Pitbull Terrier | 9. Central Asian Shepherd Dog | 17. Rhodesian Ridgeback |
| 2. Tosa Inu | 10. Caucasian Shepherd Dog | 18. Wolf Dogs |
| 3. American Staffordshire Terrier | 11. South Russian Shepherd Dog | 19. Canario |
| 4. Fila Brasileiro | 12. Rottweiler | 20. Akbash |
| 5. Dogo Argentino | 13. Japanese Tosa and Akita | 21. Moscow Guard |
| 6. American Bulldog | 14. Mastiffs | 22. Cane Corso |
| 7. Boesboel | 15. Tornjak, Sarplaninac | 23. Bandog Type |
| 8. Kangal | 16. Terriers | |

Chandigarh Pet Expo & All Breeds Dog Show



C-PEX is a premier Pet Industry exhibition that showcases the best from India's pet care industry. It is an expo that provides a perfect platform for the manufacturers, wholesalers, and service providers to present products for pets and innovative pet supplies to industry partners, business visitors, and consumers under one roof.

North India's largest gathering of Pet Industry professionals, Pet Parents, and Pets, "Chandigarh Pet Expo 2024 & Chandigarh Kennel Club 75th All Breed Dog Show" was held at the Parade Ground, Sector 17, Chandigarh on February 24 & 25, 2024. It was organized by the CAT Consult, (A Well-Known name in Exhibition Industry that has been in the business for the last 20 years. Head-quartered in Chandigarh with branch offices in Gurgaon & Bangalore, In association with Chandigarh Kennel Club & CAT CONSULT has managed to create a national footprint and has many Exhibition IPs under its belt. C-PEX was held in Chandigarh, Guru Angad Dev Veterinary and Animal Sciences University (GADVASU) and (Small Animals Clinicians' Association (SACA) were associated with the event.



Chandigarh Kennel Club an KCI affiliate-initiated Dog Show 40 years ago in Chandigarh to promote the Pedegreed and showcase the varieties of deferent dog's breeds, until in 2024, when they came to join hands with "CAT Consult" to curate one of the most significant platforms to INDIAN PET CULTURE. CAT Consult - India's top-ranked Exhibition organizer who are also official partner to various Industries associations of the Country including PHDCCCI, provide their expertise to organize various B2b & b2C exhibitions accors the Country.

As per Sh. Parminder P S Thethi, Advocate - President of the Chandigarh Kennel Club "It has been over 40 years that Chandigarh Dog Show, is an annual event which is eagerly awaited. Chandigarh Kennel Club was formed by the eminent citizens of Chandgarh with an aim to educate people about upkeep and care of their pets and to promote the ethical breeding confirming to highest level of pedigree and showing of dogs. It is affiliated to the kennel Club India and further In alliance with FCI

(Federation Cynologique Internationale), the target canine organization of the world, The Club organised its first Pet Show in the year 1982 and it god KCI affiliation the next year and is largely attended.



For C-PEX our vision was clear - to create a platform that not only connects businesses in the pet industry but also brings joy and enlightenment to pet owners across the region. Today, we are delighted to witness the passage to the realization of that vision and see this initiative evolve into a landmark event that unites stakeholders, fosters innovation, and celebrates the unbreakable bond between humans and their beloved pets, says Hardeep Singh, CEO & Founder, CAT CONSULT.

Chandigarh Pet Expo & All Breeds Dog Show served as the epicentre where apart from the dog exhibitors and breeders, manufacturers, distributors, retailers, and pet parents converged to explore the latest trends, discover cutting-edge products, and engage in meaningful conversations that shape the future of the pet ecosystem in our country.

The two-day Chandigarh Pet Expo 2024 and 75th All Breed Dog Show began at Parade Ground, Sector 17, on Saturday, 24th Feb 2024, featured participation of more than 50 dog breeds and 350 participants, in a series of events that was judged by a jury of eight international judges from Kennel Club of India.

The event was inaugurated by Vice-Chancellor of GADVASU, Dr Inderjeet Singh. The importance of pets is increasing with the rise in nuclear families and this exhibition presents a chance for all stakeholders to discuss various issues related to the welfare of pet animals, said Dr Inderjeet in his opening remarks.

C-PEX Pet Industry leadership summit, Technical and educational sessions by industry experts, Awareness and Technical sessions by the Veterinary fraternity and 75th edition of all breeds Dog Show and Competition by Chandigarh Kennel Club were major highlights of the two days of event.



The event witnessed the top dogs and breeders from across the Country, more than 75 exhibitors including well known brands i.e. ALLENGERS MEDICAL SYSTEMS LTD | PETMAFIA PRIVATE LIMITED | TAIYO FEED MILL PVT LTD | AIMIL PHARMACEUTICALS | ROSSARI CONSUMER PRODUCTS PRIVATE LIMITED | PLANET AYURVEDA PVT LTD | GNV COMMODITIES, NOOTIE | DR. CLAUDER'S | GOODY | MANKIND CONSUMER HEALTHCARE PRIVATE LIMITED | WIGGLES, HIMALAYA WELLNESS COMPANY | ARANEX LLP | VIRBAC ANIMAL HEALTH INDIA PVT LTD | VETINA HEALTHCARE LLP | INTAS PHARMACEUTICALS LIMITED | EK-TEK PHARMA | MEDILOGY BIOTECH | WELLCON ANIMAL HEALTH PRIVATE LIMITED | GURU ANGAD DEV VETERINARY & ANIMAL SCIENCES UNIVERSITY | INABA | NATIONAL EGG COORDINATION COMMITTEE | PETS EMPIRE | SMALL ANIMAL CLINICIANS' ASSOCIATION (SACA) | DROOLS PET FOOD PRIVATE LIMITED | SIGNATURE | PET'SMART HOSPITALS | PET & VET | PAWPOURRI, and many more brands of pet care products covered almost the entire requirement of pet needs ...

50+
Exhibitors Spread Over an Exhibition Area of 6000 Sqm Gross

2000+
Trade Visitors

15000+
B2C Visitors

15
Pet Experts From Across the Country were a Part of the Pet Industry Leadership Summit Panel.

50+
Dog Breeds and
350+
Pedegreed Dogs along with their Handlers visited the Show.

More Than
50
Veterinary Doctors

Hundreds of Products on Display Covering Pet Food, Pet Health & Nutrition, Pharma, Pet Boarding & Training, Pet Relocation, Pet Fashion & Accessories, Pet Toys, Pet Grooming, & Other Services.





HOMEOPATHY

A HOLISTIC APPROACH TO PET HEALTH



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Homeopathy is the use of a drug to cure an illness with the understanding that the same chemical generates the symptoms that the patient experiences. The word "homeopathy" was coined in 1807 by the German physician Samuel Hahnemann. Homeopathy is based on rehabilitative components of healthcare and is not only curative but also preventative, prophylactic, and therapeutic. In the realm of veterinary care, pet owners often seek holistic and natural remedies to complement traditional treatments. One such alternative that has gained popularity in recent years is homeopathy. While homeopathy has been a subject of debate among veterinarians and pet owners alike, its proponents tout its effectiveness in treating various ailments in dogs and cats. Homeopathy operates on the principle of "like cures like" and the use of highly diluted substances to stimulate the body's own healing mechanisms. Practitioners believe that by administering minute doses of substances that would produce similar symptoms in healthy animals, the body's vital force can be stimulated to restore balance and health.

In the context of veterinary care, homeopathy offers a non-invasive and gentle approach to treating a wide range of conditions in dogs and cats. From chronic diseases to acute illnesses, homeopathic remedies aim to address the root cause of the problem rather than merely suppressing symptoms. One of the key aspects of homeopathic treatment is individualization. Homeopaths consider not only the physical symptoms but also the animal's temperament, behavior, and environmental factors when selecting a remedy. This personalized approach acknowledges the unique constitution of each animal and ensures that the treatment aligns with its specific needs. Homeopathic remedies for pets are derived from various sources, including plants, minerals, and animal substances. These remedies are prepared through a process of serial dilution and succussion, which is believed to enhance their healing properties while minimizing toxicity. In the case of dogs and cats, homeopathy can be used to address a myriad of health issues, including but not limited to: Skin conditions such as allergies, eczema, and hot spots; digestive disorders like vomiting, diarrhea, and irritable bowel syndrome; joint and musculoskeletal problems such as arthritis and injury-related pain; respiratory issues including asthma, bronchitis, and coughing and behavioral problems like anxiety, aggression, and compulsive disorders. While homeopathy offers a gentle and natural approach to pet care, it's essential to emphasize that it is not a replacement for conventional veterinary medicine. In cases of emergencies, severe trauma, or life-threatening conditions, immediate medical attention from a qualified veterinarian is crucial. Critics of homeopathy often cite the lack of scientific evidence to support its efficacy, questioning its validity as a legitimate form of treatment. However, proponents argue that the

principles of homeopathy, rooted in centuries-old wisdom, transcend conventional scientific scrutiny and resonate with a more holistic understanding of health and healing. For pet owners considering homeopathy for their dogs and cats, it's essential to work with a qualified and experienced veterinary homeopath. These professionals have undergone specialized training in homeopathic principles and understand the nuances of prescribing remedies for animals. During a homeopathic consultation, the practitioner will conduct a thorough assessment of the pet's health history, behavior, and symptoms before recommending a course of treatment. Remedies are typically administered orally in the form of pellets, liquids, or powders and may require periodic adjustments based on the animal's response.

Veterinary homeopathy through my lens

For the sake of education and the advancement of the vet profession, I am sharing briefly my personal homeopathic practice with all vet specialists who are interested in incorporating it into their clinical practice. Based on my own experience, the following is a list of drugs that you can use: Arsenicum album for gastroenteritis (including Parvo virus diarrhoea) and canine renal failure; Glonoinum for heat stroke; Apis mellifica for patients bitten by insects; and others Conium maculatum for paralysis, Ipecac for hemolytic anaemia, Colocynthis for horse colic, Cicutavivosa for canine epilepsy and distemper, and phytolacca and Calcarea for ailments of the cow mammary glands. These drugs are available as pills or drops, but the most important thing to remember is that homeopathic medicine must be used at the proper potency in order to produce the desired effects. I invite all veterinary clinicians to get in touch with me via email if they would like any further information on veterinary homeopathy.

Integrative Approaches and Collaboration

In recent years, there has been a growing recognition of the value of integrative veterinary medicine, which combines conventional therapies with alternative modalities such as homeopathy. Many veterinary clinics now offer integrative services, providing pet owners with a range of treatment options tailored to their preferences and their pet's needs.

Conclusion

veterinary homeopathy offers pet owners a natural and holistic approach to promoting health and well-being in dogs and cats. While its effectiveness may vary from case to case, many individuals have reported positive outcomes and improvements in their pets' quality of life through homeopathic treatment. By embracing the principles of individualization, gentle healing, and holistic care, homeopathy continues to carve out a niche in the evolving landscape of veterinary medicine. ...



IMPACT OF GIARDIOSIS AND COCCIDIOSIS IN DOG

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Introduction:

Giardia and coccidia are common protozoan parasites in the dog; it is a single cell organism commonly occurring in pups. It is a common cause of puppies' illness and can spread from dog to dog causing infection. Puppies are very susceptible to contracting disease compared to older dogs as their immune system is not developed properly. It is common in new puppies which are shifted to a new environment of kennel, rescues etc. stress – travel, weather change which make its eradication difficult and spread to other dogs which came in contact with infected one. Protozoan parasite resides in the intestine of a dog and multiplies there causing diarrhoea, also the parasite develops spores that are passed in the faeces of the infected animal. Parasite spores survive well in the environment of soil and water which infect other susceptible animals that ingest spores during grazing or drinking contaminated water and develop disease and continue their new lifecycle in another host. Due to this its eradication is difficult in a susceptible population. Wild animals can also transmit disease. Birds also act as carriers to transport parasites to a new population of susceptible hosts as they carry parasites from infected dogs to other areas.

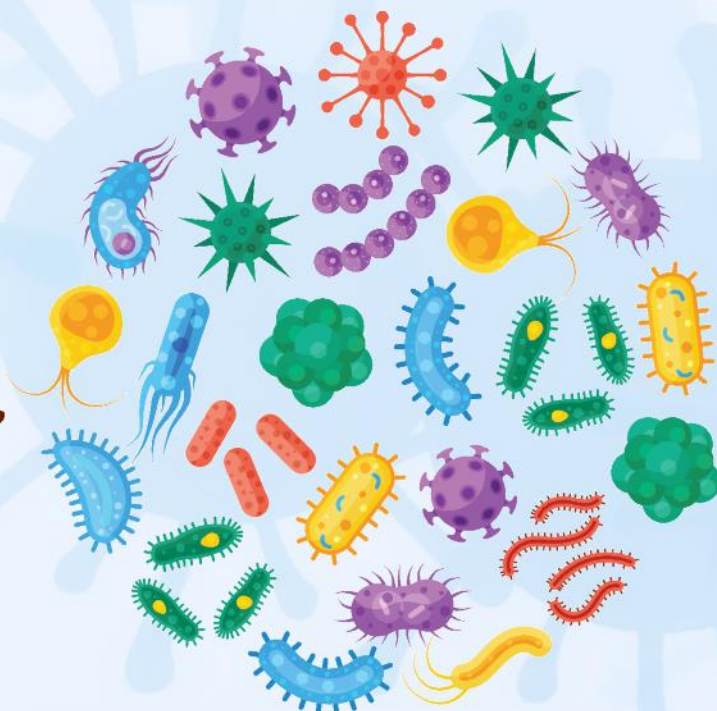
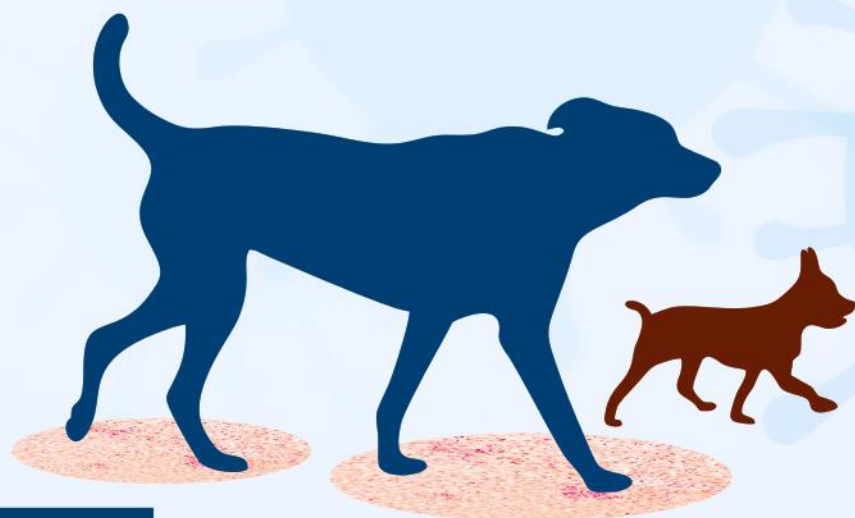
Giardiasis in dog:

- Giardiasis is a disease caused by Giardia which is a single cell protozoan. Giardia organisms spread by contact of a dog with infected water, grass, faeces or other animals carrying infection.
- Dogs ingest parasites in cyst form which act like fertilised eggs. After reaching the intestine, trophozoites i.e. flagellate form of the organism are released from the cyst. It bears whip-like appendages which reach the small intestine and multiply to increase its number.
- The organism reaches the colon and causes intestinal disturbance leading to diarrhoea and gut upset. Here the organism forms a cyst which further passes into faeces.

- Both trophozoites and cysts can pass in faeces but cysts are resistant and survive well in moist and crowded places. Incubation period of the parasite is 5-14 days after ingestion.
- The parasite present in the gut causes loss in proper functioning of the intestinal epithelium as it loses its epithelial barrier leading to changes in consistency of stool.
- Organisms do not penetrate the intestinal epithelium, they invade surrounding tissues and enter into the bloodstream causing disease in dogs.
- Disturbance in the epithelium gets resolved once the organism is removed from the gut after proper treatment and recovery starts of the intestinal epithelium.

Coccidiosis in dog:

- Coccidiosis is a disease caused by spore-forming coccidian protozoan parasites. It can also survive in harsh cold environments for longer times and hence is very difficult to eradicate.
- Transmission occurs by ingestion of contaminated faeces, infected animals like rodents or via drinking infected water. Birds can also transmit infection among animals acting as transport for parasites.
- Dogs ingest coccidia as immature oocysts which release sporozoites in the intestine. Sporozoites invade the intestinal epithelium and multiply rapidly, causing disturbance in the epithelium. Sporozoites multiply and develop into oocysts which are released in faeces.
- Coccidia severely damages the intestinal epithelium and causes severe explosive, uncontrolled diarrhoea further it can lead to severe dehydration and finally leading to death.



Risk Factor:

- ❖ Generally puppies, immune compromised older dogs are more affected.
- ❖ Giardiasis is generally seen in adult dog but healthy dog develops natural immunity to coccidia which decreases its severity.
- ❖ Some adult dog remain as asymptomatic and possess treat to other animal as they shed oocyst in environment and act as source of latent infection .
- ❖ If the case of dog with diarrhoea came in clinics generally it should be tested for presence of these parasites. Early diagnosis improves prognosis of disease.

Diagnosis:

- ❖ Most common symptom of protozoal infection is diarrhoea however; there can be several reasons for it. Hence, other symptoms include loose or watery faeces, vomiting, nausea, gas, dehydration, emaciation and abdominal pain should be considered.
- ❖ Some dogs remain asymptomatic but still harbour parasite and sometimes have intermittent diarrhoea.

Sample collection:

- ❖ If suspect of any abnormal condition stool sample should be collected in ziplock bag for testing and should be taken to nearby veterinary hospital.
- ❖ Sample should be in enough quantity and collected fresh less than 24 hr before faeces get dry.

Procedure:

- ❖ The collected sample should be first test by faecal floatation or centrifugation floatation technique.
- ❖ Small sample should be taken and mixed with floatation solution that makes eggs and oocyst of giardia and coccidia to float over surface.
- ❖ Place cover slip touching top of floating solution and place it under microscope for diagnosis. For faster viewing centrifugation can be also used to concentrate egg over surface for easy visibility of parasite eggs and oocyst.
- ❖ Negative result do not indicate absence of parasite as sometimes oocyst are not voided in faeces of dog hence , if animal show symptoms further laboratory diagnosis should be done.

Zoonotic Importance:

- ❖ Animal suffering from either giardia or coccidian protozoal infection can transmit infection to other dogs in contact. But transmission to other species animal is not prominent.
- ❖ Giardiasis is zoonotic but if human get infection of giardiasis it will be probably due to contamination with human type giardia protozoa, not due to canine type giardia.

- ❖ According to CDC “risk of human acquiring human giardiasis from cat and dog is small. The exact type of giardia that infect human is not usually same type that infect dog and cats population.
- ❖ Human get infection from contaminated water of human type. Symptoms in human are similar to canine giardiasis.

Treatment:

- ❖ There is no approved treatment for canine giardiasis however, veterinarian use several medications for symptomatic treatment such as metronidazole for 2-5 days. It contains antibiotics and anti-diarrhoeal property used to treat inflammation of large intestine as damaged caused by protozoal parasite.
- ❖ Fenbendazole is used as dewormer for 2- 5 days, broad spectrum dewormers do not work on giardiasis. After medication re test for parasite should be done to check response to treatment.
- ❖ For coccidiosis; sulfadimethoxine, Tribissen (combination of trimethoprim sulfadiazine, a powerful broad spectrum antibacterial) are prescribed.
- ❖ Treatment is given for 1-3 weeks but drugs do not kill organism directly but stop its reproduction. Hence re test should be done for parasite.
- ❖ Natural remedies are not effective hence proper care and management of dog is required.
- ❖ Rehydration is essential for hydrating dog suffering from diarrhoea

Prevention:

- ❖ Dog hygiene is essential for effective treatment. Parasites are most commonly found near hind leg and near anus region. Hence, proper cleaning of these area with suitable disinfectant is suggested generally chlorhexidine shampoo is prescribed by veterinarian for get rid of parasite. Treatment along with hygiene is essential for removing infection.
- ❖ Recommends cleaning all hard surfaces like floor, hard crates with suitable disinfectant.
- ❖ Outside area should be cleaned and dog faeces should be removed timely.
- ❖ It's usually suggested that dog faeces should be inaccessible to other dogs or himself. Put faeces in plastic bags and properly dispose it off.
- ❖ It's suggested that habit of defecation should be concrete floor which makes easier for owner to disinfect.
- ❖ Proper spraying of area and prevention of dog contact should be followed.
- ❖ This protozoan infection can be treated with proper medication and hygiene of dog and its environment. ...



SPIRULINA

A VERSATILE SUPPLEMENT FOR HORSES' DIET

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Although many people consider the use of botanicals, herbs and other naturally occurring compounds to be nothing more than folklore, there is an interest in subjecting these remedies to the rigorous scrutiny of modern science to clarify their chemical composition and confirm their validity, therapeutic claims. Spirulina or blue-green algae, is grown in both in fresh and saline water under carefully regulated conditions to produce dried algae. When consumed as a concentrated green powder, the algae offer a wealth of bioactive proteins, fatty acids, vitamins, and minerals. Spirulina powder mainly prepared from two types of algae: *Arthrospira platensis* or *Arthrospira maxima*. Active ingredients of high biological value in *Spirulina platensis* include proteins, amino acids, polyunsaturated fatty acids, pigments, vitamins, minerals, antioxidants and more. Spirulina is an amazing super food.

Spirulina is beneficial for horses of all ages and should be added to all feeds as it helps boost immunity, vigor, stamina and muscle. Studies have also shown its ability to modulate the immune system by causing a class switch of IgG antibodies instead of IgE; This effect is particularly useful in the treatment of skin and lung allergies. A diet high in hay might cause deficiency in numerous vital vitamins in horses. Horses that are fed spirulina, an algae high in vitamins and minerals, can develop healthily.

SPIRULINA - A Source of Gamma-Linolenic Acid

Spirulina platensis has attracted scientists due to the presence of 31% GLA in its fatty acid profile. Addition of spirulina to their diet may aid horses' faster recovery from strenuous exercise. In horses, supplementing with spirulina may help to reduce inflammation associated with conditions such as allergies, and skin issues. It may also help to improve hoof health and support the immune system.

SPIRULINA -Providing Antioxidant Protection

Spirulina has been shown to contain significant quantities of natural carotene and xanthophyll phytopigments, as well as phycocyanin, which due to their antioxidant, anti-inflammatory properties have been identified as the most important active compounds of *Spirulina platensis* extracts. Spirulina algae offer antioxidant defence, which could stop more muscle deterioration brought on by free radicals. Moreover, this super food for horses is high in beta-carotene, which is the body's precursor to vitamin A, vitamin C, and vitamin E-all of which are potent antioxidants that shield every cell in the body. Comparing horses fed spirulina to those not, the former showed less oxidative stress and fewer aches and problems. A horse needs about 40 grams spirulina powder a day and a pony about 20 grams a day. Horses showed decreased cresty neck scores, decreased fasting insulin levels, and enhanced glucose tolerance at the conclusion of the three-month period.

SPIRULINA - Supporting Immune Needs

Spirulina supplementation is used to support anti-inflammatory and antihistamine properties. Spirulina can protect against the development of allergic reactions. Phycocyanin is a selenium-rich protein that is responsible for the blue pigment of spirulina. Phycocyanin increases production of protective antibodies (IgA and IgG) and decreases production of pro-inflammatory antibodies (immunoglobulin E, IgE). This can help minimize over-reactions to common allergens like dust and pollen.

SPIRULINA -Support Respiratory Function

Spirulina supplement is used to support respiratory function and metabolic health in horses. It helps support respiratory function in horses with recurring seasonal or maintenance related respiratory problems. These problems are especially common in spring and summer, when respiratory allergens are abundant in the environment. Horses with spirulina showed fewer symptoms such as coughing, sneezing and head shaking.



SPIRULINA - Excellent Protein Source For Heavily Exercised Body

This is a great source of protein supplement for growing or highly exercised horses. As it provides all of the key amino acids needed for a horse's diet, it is regarded as a complete protein. The protein molecules known as essential amino acids are those that horses cannot produce on their own and must get from their food. High quantities of gamma-linolenic acid in the algae can reduce oxidative stress and preserve muscular glycogen stores, improving performance and stamina.

SPIRULINA - Minimizing Coughing & Head Shaking

Veterinarians may recommend steroid treatment for horses with persistent respiratory problems. However, long-term use of steroids can weaken the immune system. Spirulina contains compounds that help reduce coughing and head shaking in horses with respiratory allergies because they modulate the immune system's inflammatory response to potential allergens.

SPIRULINA- A Source of Iodine

Obesity, insulin resistance and pre-existing/chronic laminitis are the most typical clinical features of equine metabolic syndrome (EMS). During metabolic disturbances, adipose tissue produces a wide variety of hormones and pro-inflammatory cytokines and accumulates oxidative stress factors, which may play a key role in the pathogenesis of EMS. Studies have shown that spirulina can improve the condition of horses suffering from an immune-mediated condition that causes equine diarrhea and colic. Spirulina reduces oxidative

stress while increasing intestinal function and provides much-needed iodine to support thyroid health, both of which make spirulina an invaluable addition to the diet of both healthy horses and horses with EMS. Spirulina powder and pellets are an easy and digestible way to add this beneficial ingredient to your horse's daily diet.

Conclusion

Spirulina from algae is a super food. Its high protein, amino acid content, essential fatty acid content, and antioxidant content, along with its high digestibility promotes healthy skin, maintains strong muscles, and healthy breathing. Its high protein, amino acid content, essential fatty acid content, and antioxidant content, along with its high digestibility promote horses' shiny coat and keep respiratory systems in good condition. ...



2024-2025 UPCOMING EVENTS

APR 26-28

**20TH WASAVA INDIA
13TH FSAPAI CE**

26-28 APRIL, 2024

ADLUX CONVENTION CENTRE,
KOCHI, KERALA, INDIA

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WSAVA2024@GMAIL.COM

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MAY 01-10

INTERZOO 2024

7-10 MAY 2024

EXHIBITION CENTRE NUREMBERG,
GERMANY

DIANA REICHERT

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MAY 26-28

MEGAJUILSAN 2024

17-19 MAY, 2024

ILSAN KINTEX,
GOYANG-SI, GYEONGGI-DO,
SOUTH KOREA

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AUG 14-16

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SEPT 10-13

**CHINA INTERNATIONAL
PET SHOW (CIPS)**

SEP. 10-13, 2024

CHINA LMPORT AND
EXPORT FAIR COMPLEX, GUANGZHOU

LING REN

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Safeguarding Your Dog's Oral Health with Smart Choices

Dr Umesh Kalahalli
Small Animal Consultant,
Mars Petcare India.

Periodontal disease (PD), commonly referred to as gum disease, is a prevalent concern affecting cats and dogs globally, with an estimated prevalence reaching up to 85%. It becomes particularly evident in around 80% of dogs by the age of three, showcasing a spectrum of severity from mild plaque and gingivitis to more severe inflammation and potential tooth loss. Contributing factors such as age, smaller breed size, and neutering increase the risk of periodontal disease in dogs, which can have ramifications on their kidneys, liver, and heart health. Dry food diets formulated for dental care reduce plaque and tartar, and a balanced diet rich in calcium and phosphorus supports strong teeth, contributing to overall oral health.

Maintaining good oral hygiene in dogs is critical, with up to 80% experiencing periodontal disease by age three. While daily brushing is ideal but not always feasible, alternative practices like dietary choices and dental chews are essential. Hence, dental chews are becoming a smart choice for pet parents who are looking for options to ensure oral health of their dogs. Products like Pedigree Dentastix daily oral care chews are scientifically proven to reduce tartar build-up by 80% and support 'good bacteria in a dog's mouth along with 'gum' health.

Brushing for Prevention:

While daily teeth brushing is considered the "gold standard" for preventing gum disease in dogs, it's unfortunately not widely practiced by pet owners. This lack of adherence highlights the necessity for alternative preventive measures to maintain oral health in dogs. These alternatives may include incorporating dental chews, making appropriate dietary choices, and scheduling regular dental check-ups with a veterinarian to address any oral health concerns effectively.

Clinically Tested Dental Chews:

Clinical studies have shown that some dental chews, are beneficial in lowering the buildup of plaque and tartar. When compared to dental or conventional dry foods, these chews have additional benefits. Their distinct texture and composition promote chewing, which aids in the mechanical removal of plaque and tartar and promotes better oral hygiene and general dental health in dogs.

Oral Care Chews Role:

Oral care chews are helpful in establishing an efficient oral care routine, even if they shouldn't take the place of routine dental treatment or prescription drugs for preventing gum disease in dogs. These chews are beneficial for enhancing dental hygiene and preventing the formation of bacteria that lead to canine gum disease. Including dental care chews in your dog's routine can help them keep their teeth healthy in between cleanings and treatments from a dentist.

The Influence of Diet:

Dry food diets have a good effect on oral health by decreasing dental deposits and the incidence of periodontal disease in dogs and cats. For developing pups' teeth to be strengthened and for older pets' mouths to remain healthy, it is essential to balance the diet with the recommended ratio of calcium to phosphorus. By concentrating on these dietary aspects, pets' overall dental health is improved, which benefits their long-term oral health.

Avoid Hazardous Chews and Bones:

Giving pets oral chews, sticks, or bones that weren't scientifically created can be dangerous because they could injure their teeth or mouths or cause choking accidents. Certain goods might include dangerous chemicals or colours that aren't good for pets, and rawhide chews might have bugs in them that could make your pet fall sick.

Regular Veterinary Examinations:

It is advisable to arrange for your dog to receive routine dental examinations from a veterinarian. To efficiently maintain your pet's oral health, the veterinarian may advise scaling operations to keep teeth clean and healthy or offer chews that are appropriate and specifically made to prevent gum infections.

Safeguarding your dog's oral health requires making smart choices regarding their diet and dental care. Incorporating a dry food diet with the recommended calcium and phosphorus ratio can significantly reduce dental deposits and lower the risk of periodontal disease. Implementing daily oral care practices, such as brushing or providing dental chews, further enhances your dog's oral hygiene. By prioritizing these strategies, you can ensure your furry companion enjoys a lifetime of strong teeth and overall dental well-being. ...

Therapeutic Management of Canine Superficial Pyodermatitis in a Pitbull –

A CASE REPORT

Siddiqui MFMF, Sakhare MP, Shafi TA, Syed AM, Padole PM, *Shaikh SR and M.M. Raut

Department of Veterinary Clinical Medicine, Ethics & Jurisprudence
College of Veterinary and Animal Sciences, MAFSU, Parbhani, India

Pustules Present Under Left Forelimb and Right Lateral Side of Face Before and After Treatment



A 4.5 month old golden brown Pitbull was referred to the Department of Veterinary Medicine, Parbhani, with the history of presence of pustules under the front leg & on lateral side of face along with itching. Clinical examination reveals presence of superficial eruption of thin wall vesicle then which develop into pustules. The dog was treated with various antibiotics, antihistaminic and antipruritic drugs & povidine iodine topically on the lesions. Animal showed complete recovery after 5 days of treatment.

Introduction:

Superficial pyoderma involves the epidermis and/or hair follicles. Types of superficial pyoderma include impetigo (puppy pyoderma), folliculitis, superficial spreading pyoderma, and mucocutaneous pyoderma. (Jennie Tait: AHT, RVT, VTS, Dermatology).

Pyoderma literally means “pus in the skin.” It can be caused by infection, inflammation, or cancer and is common in dogs. Most cases of pyoderma are caused by bacterial infections. Most of these are superficial and secondary to a variety of other conditions, such as allergies or parasites. Warm, moist areas on the skin, such as lip folds, facial folds, armpits, feet, and neck folds, often have higher bacterial counts than other areas and are at an increased risk for infection.

Pressure points, such as elbows, are prone to infections due to repeated pressure. Any skin disease that changes the normally dry, desert-like environment to a more humid environment can cause over colonization of the skin with bacteria. When infection invades only superficial layer of the skin known as superficial pyoderma and if all layers of skin are involved it is known as deep pyoderma.

Case Presentation:

Duration of illness was since 3 days. History of animal was living in farmhouse on soil. Appetite, Water intake, Urination and Defecation were normal. Body Condition of animal was good. Conjunctival Mucus Membrane was pinkish. Skin and Hair Coat was rough. Rectal Temperature recorded was 101.8°F. Submandibular Lymph Node was Slight Swollen. Vesicles appear on relatively hairless parts of the body. Later on they become pustules. Pustules present under left forelimb & right lateral side of face.

Diagnosis

On the basis of history and clinical signs; culture of pus collected from the skin lesions was done and the case was diagnosed as superficial pyoderma as per laboratory results.

Following steps was followed for bacterial culture and isolation

I. Pus collected from the pustules and inoculated in nutrient broth.

II. Organism grown rapidly and diffusely in nutrient broth at optimum temperature of 37 °C.

III. Bacterial streaks on nutrient agar plate showed soft, convex, yellow colour colonies.

IV. Slide prepared from colonies when stained by gram staining method revealed gram positive bacteria arranged in clusters (grape like) i.e. staphylococcus spp.

The diagnosis of superficial pyoderma needs to be supported by cytologic findings demonstrating coccoid bacteria, often associated with inflammatory cells (typically degenerate neutrophils) and, when present, bacteria phagocytosis. Skin Cytology is also very important for identification of co-infection with other microorganisms such as *Malassezia pachydermatis* and, less commonly, rod-shaped bacteria.

Treatment was given as tab. Amoxicillin + Clavulanic acid, tab. Hydroxyzine hydrochloride, syrup containing Vit. E, Omega 3, 6 Fatty acids, Vit. A and gamma lipoic acid and topical application of Povidone Iodine over the skin lesions. Also, advised to owner for use of shampoo containing benzoyl Peroxide for bath. Dog showed complete recovery after 7 days of treatment.

Amoxicillin with clavulanic acid is safe and effective in the treatment of superficial bacterial pyoderma in dogs. Carrying out a recheck evaluation a few days before completion of prescribed antimicrobial therapy helps confirm clinical resolution of pyoderma. Superficial pyoderma is treated with at least three weeks of anti-microbials, until one week after clinical cure. If lesions persist at recheck evaluation, impression cytology is beneficial as a monitoring tool to help assess response to therapy.

Prevention of Pyoderma in Dog:

For prevention of Pyoderma, it is important to maintain good hygienic practices, clean & dry place to rest and sleep, avoid contact of allergic items, provide supplements for skin and body defence and addition of probiotic in diet. Also regular veterinary check up is important in case of any sign or symptom of skin irritation, allergy and dermatitis. ...

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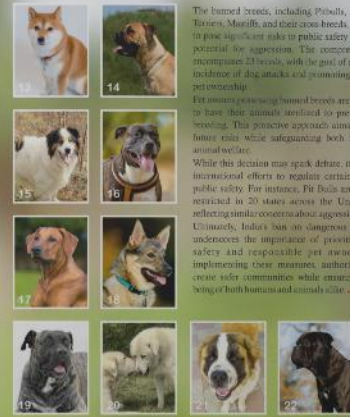
GOVERNMENT BANNED 23 DOG BREEDS IN INDIA

In response to a surge in dog attack cases, the Indian government has taken proactive measures to address public safety concerns. Recently, a letter from the Department of Animal Husbandry and Dairying urged state governments to ban the import, sale, and breeding of specific dog breeds deemed dangerous. This decision comes after careful consideration by a committee comprising experts and animal welfare groups, responding to an order from the Delhi High Court.

The banned breeds, including Pitbulls, Boxers, Terriers, Mastiffs, and their cross-breeds, are believed to pose significant risks to public safety due to their potential for aggression. The comprehensive list encompasses 23 breeds, with the goal of reducing the incidence of dog attacks and promoting responsible pet ownership.

For owners of remaining banned breeds are encouraged to have their animals sterilized to prevent further breeding. This proactive approach aims to mitigate future risks while safeguarding both human and animal welfare.

While this decision may spark debate, it aligns with international efforts to regulate certain breeds for public safety. For instance, Pit Bulls are banned or restricted in 20 states across the United States, reflecting similar concerns about aggressive behavior. Unintended, India's ban on dangerous dog breeds underscores the importance of prioritizing public safety and responsible pet ownership. By implementing these measures, authorities aim to create safer communities while ensuring the well-being of both humans and animals alike.



The complete list of dog breeds banned by the government in India is:

- | | | |
|-----------------------------------|--------------------------------|------------------------|
| 1. Pitbull Terrier | 9. Central Asian Shepherd Dog | 17. Rbloodian Edgeberg |
| 2. Tosa Inu | 10. Caucasian Shepherd Dog | 18. Wolf Dog |
| 3. American Staffordshire Terrier | 11. South Russian Shepherd Dog | 19. Canis |
| 4. Fila Brasileiro | 12. Rottweiler | 20. Akita |
| 5. Dogo Argentino | 13. Japanese Tosa and Akita | 21. Moscow Guard |
| 6. American Bulldog | 14. Mastiff | 22. Cani-Croco |
| 7. Doberman | 15. Tenzak Sarplanac | 23. Blood Dog Type |
| 8. Kangal | 16. Terrier | |

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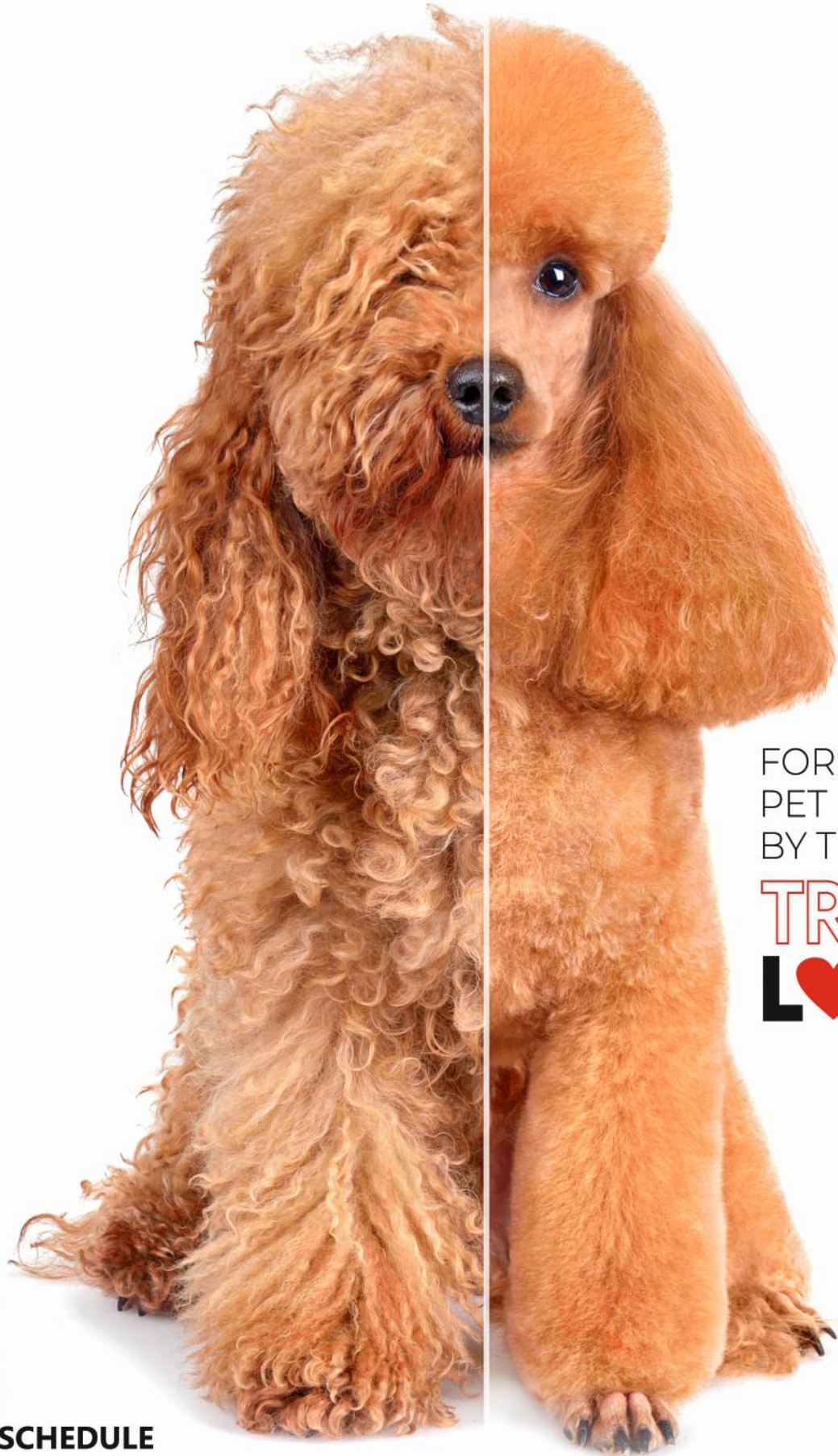
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