



VETERINARY DIVISION

JANUAR™



Pashu Ayurveda or veterinary science is to take care of the animals and birds by tending to their health. Animals received good medical care in ancient India. The concept of 'Pashu Ayurveda' or the ancient veterinary science points towards a 'comprehensive man-animal relation' which existed in olden days. Animals have always been an integral part of society since ages. Man has used animals and domesticated them for various uses like obtaining food products, farming, transportation, etc. In day-to-day life, animals, birds and plants became a part and parcel of their life. Hence, special care was taken regarding their health and man developed several medicines for the welfare of animals. Unfortunately this knowledge is gradually declining and limited to a handful of folklore practitioners.

Indian livestock sector today has 185 million cattle, 98 million buffaloes, 124.5 million goats, 6 million sheep, 343 million poultry, 13.5 million pigs, 1.6 million equines, 6.3 million camel and accounts for 16% cattle, 57% buffaloes (rank-I), 18% goat (rank- II), 6% sheep (rank-III) in the world. The livestock sub-sector has a significant role in rural economy. Dairying especially is of vital importance to the livelihood security of rural poor. Around 80% of the bovine owners in India belong to the Below Poverty Line (BPL) population. They consist of landless, marginal and small farmers. For the dairy farmer, cattle feed accounts for more than 70 per cent of the total cost of milk production. Animal disease continues to be a major drain on farmer's income. Modern veterinary care reaches to only 20% of livestock owners.

CHALLENGES OF VETERINARY MEDICINE:

It is estimated that approximately Rs. 50 billion annually is lost on account of livestock diseases in India. The high treatment cost, inaccessibility and indiscriminate use of antibiotics and hormones, which lead to undesired effects such as high antibiotic and hormone residue in milk and other animal products. These are serious limitations of modern veterinary management. Veterinary services have a crucial role in controlling highly contagious diseases and zoonotic infections, which have implications on human health as well as that of livestock. The presence of drug residues in milk, meat and eggs can cause allergies, anaphylactic shocks and toxicity in consumers. It also results in development of drug resistant microorganisms that are difficult to treat.

Bacterial resistance to antibiotics is a significant threat, eg. drug resistant pathogens like salmonella occurring in animal foods may be transferred to and be pathogenic in man. This may cause illness and death (*Khoda, 2005*). All the anti-microbial drugs administered to cows can contaminate milk to some degree. A drug administered to a milk-producing animal has a withdrawal period, during which the drug residue should fall, below a predetermined level. A residue can be the drug itself or its metabolites.

CURRENT RANGE OF AYURVEDA PROPRIETARY VETERINARY PRODUCTS

Muniyal Ayurveda is involved in design and development of scientifically validated, highly effective Ayurvedic formulations for clinically challenging illnesses by adopting stringent quality control methods.

Our "JANUAR" line of products have been developed keeping in mind the unique requirements and sensitivities of our animals.

Existing products are useful in following categories of animal kingdom



AQUACULTURE

FISH, SHRIMP, PRAWNS



COMPANION CARE

DOGS, CATS, RABBIT



LIVESTOCK

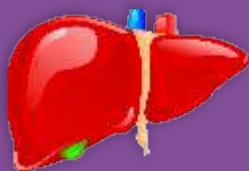
CATTLE, HORSES, GOATS, CAMELS



POULTRY

CHICKENS, DUCKS, TURKEYS, GEESE

MUNILIV[®]



Potent Liver Stimulant for
Appetite and Growth

Liver stimulant and growth promoter

Stimulates appetite, improves and restores appetite in animals. Promotes liver function and stimulates feed conversion ratio, promotes digestion and ensures uniform and faster growth, and better productivity. Improves weight of fish, shrimps and prawns.

MUNILACTO[®]



Increases Lactation

Galactagogue

Promotes lactation (production of milk) by stimulating the proliferation of growth of alveoli. Stimulated prolactin thereby enhancing milk secretion

MUNI PRAJNAA[®]



For Depression and Restlessness

Behaviour modifier & for stress relief

Controls anxiety due to fear and emotional stress. It helps with behavioral problems like aggression, restlessness and hyperexcitability, promotes better receptivity and learning abilities during training periods

MUNI COMPOUND[®]



For Irritable Bowel Syndrome
Dysentery & Diarrhoea

Anti-diarrheal

It is helpful in controlling diarrhoea of varied aetiologies. Its antibacterial and antiamebic activities prevent gastrointestinal upsets. It also prevents intestinal mucosal damage due to its anti-inflammatory activity. Useful in gastritis and colitis

MUNITONE[®]



For nutritional disorders,
obesity & lethargy

Immunomodulator, metabolic stimulant

It increases pet's immunity to fight infections, improves, digestion and metabolism, helps to metabolize unhealthy excessive fat and makes the animal alert and active.

MUNIFEMM[®]



A Safe and Effective Uterine
Sedative and Tonic

Oestrus inducer, uterine cleanser

It facilitates the release of the follicle stimulating hormone (FSH) and the luteinizing hormone (LH). This action promotes follicular development, which leads to oestrus. Improves the health of reproductive system and acts as uterine cleanser and tonic.

MUNIPYRIN[®]



For Pain, Inflammation and
General Debility

Anti-inflammatory, analgesic

Useful in Sprain and strains of tendons and ligaments, arthritis, fibrositis and all conditions associated with inflammation.

MUNIHEAL[®] OIL



Heals wounds, ulcers and burns.
Prevents Scarring

For mastitis, wounds and ulcers

In mastitis, acts by Anti-inflammatory and soothing effect with analgesic action and anti-microbial activity. It strengthens udder tissue defence barrier and boosts local immunity. Heals wounds and ulcers quickly, acts as local antibiotic.

Dr. U. Krishna Muniyal Memorial Trust (R)

The Trust has devoted itself to the field of Ayurveda by undertaking cultivation & preservation of rare medicinal plants, research in Ayurveda, developing treatment for chronic & incurable diseases, establishing speciality Ayurveda hospitals, running under-graduate and post-graduate courses in Ayurveda, propagating ancient herbal gardens, establishing a literary division to bring out ancient Ayurvedic scriptures. The trust intends to revive ancient Indian wisdom through its proposed Buddhaayurved University.

GROUP INSTITUTIONS

Muniyal Ayurveda Hospital & Research Institute
Muniyal Institute of Ayurveda Medical Sciences & Post-Graduate Centre
Books & Publications

Dr. Krshna Life Sciences Ltd.

Bringing Life to Science™

Dr. Krshna Life Sciences Ltd. has been established to promote ancient medical therapy to the vast majority of the human race with the expertise and knowledge gained in the field of Ayurvedic medicines over several centuries. It aims to provide comprehensive healthcare facilities across India. Dr. Krshna Life Sciences Ltd. also provides low cost medical treatment to the poor and the needy through its Muniyal Ayurveda Family Health Card.

The company manufactures and markets Ayurvedic Research products in India and abroad. It is getting national & international acclaims for its scientifically proven products for chronic disorders like diabetes, alcoholism, arthritis, cardiac problems, liver and uterine disorders, bronchitis, amoebiasis, obesity, thyroid problems and parkinsonism. The company's products for Cancer and AIDS have been taken up for trails by prestigious institutions. The Research Centre is also attracting researchers from USA, Japan & Argentina. It has memoranda of understanding with prestigious Ayurvedic companies in countries like Hungary, to popularize ayurvedic research products.

The company intends to popularise Ayurveda by offering low cost healthcare to the common people by initially establishing over 200 Muniyal Ayurveda Family Clinics (one in each taluk of Karnataka), initially covering about 10 lakh beneficiaries.

The first ayurvedic company with its products being registered as para-medicines in Europe

GROUP INSTITUTIONS

Muniyal Ayurveda Pharmaceutical Unit
Muniyal Ayurvedic Research Centre
Muniyal Ayurveda Herbal Gardens
Muniyal Ayurveda Family Clinics
Muniyal Ayurveda Veterinary Division

HIGHLIGHTS

- Muniyal Institute of Ayurveda Medical Sciences running Undergraduate & Post-Graduate Courses in Ayurveda. Approved by Dept. of AYUSH, Govt. of India with a 175-bedded Ayurvedic Hospital at Manipal.
- Muniyal Ayurveda Family Clinics at Bengaluru, Mangaluru, Udupi, Manipal, Mysore, Davangere, Mumbai, Kannur - Kerala and Robertsvanj - UP.
- International Organic Certification from SKAL, The Netherlands, for herbal gardens.
- License for 50 proprietary, human and veterinary research products, and 150 classical ayurvedic products. Toxicity studies of all the above products have been done.
- All products have been duly registered with the Drug Licensing Authority, Dept. of AYUSH, Karnataka, with GMP Certification for its medicine manufacturing unit.
- 20 research products like Insol-N, Herbotrim, Heartogen, Muneks, Muniojus, etc. are duly registered with Patent and Trademark Registration Office of Govt. of India.
- 17 lines of treatment like Mahoshadha Kalpa, Madumeha Kalpa, etc. and unique processes like Vrکشved, Dravyashudh and Vamshvahini are duly registered with Patent and Trademark Registration Office of Govt. of India.
- 2 products namely MUNIPYRIN for arthritis and HERBADICT for alcohol and drug addiction, have been registered in Europe as para-medicines, being the first ayurvedic medicines from India to have this distinction.
- Developed and donated sacred herbal garden to Udupi citizens.
- Both Muniyal Ayurvedic Research Centre and Dr. Krishna Life Sciences Ltd. have facility registration under US FDA.
- **Clinical Research Work:** MAHOSHADHA KALPA is a unique, patent ayurvedic therapy for cancer. 22 patients suffering from different types of cancers effecting the lung, thyroid, breast and uterus *have become completely asymptomatic* by this therapy. Investigations showed disease free conditions (cure) in several cases. More than 400 patients have benefitted from this therapy - most of the patients got rid off the *fear of pain, fear of disease and fear of death, with improved general conditions*. Mahoshadha Kalpa has successfully prevented metastasis (spreading of cancer) in several cases.
- **Literary Research Work:** Sacitra Caraka Samhita, a useful book of reference for Ayurvedic U.G. and P.G. students released by the former President of India Dr. A.P.J. Abdul Kalam.
- **Drug Research:**
 - a) INSOL-N: A post-graduate from Mangalore University in her research work induced diabetes in rats by injecting 'Alloxan' which destroys pancreas. Subsequent administration of INSOL-N produced good results with following conclusions: (1) It brings down blood sugar to normal level within a short period. (2) Glycogen and protein levels in the tissues of the heart, liver and kidney are raised to normal level. (3) Lipid, cholesterol & tissue phosphates are brought down to normal level. (4) Insol-N regenerates Beta cells of Islets of Langerhans of pancreas which secrete body insulin. The researcher got her M.Phil., for the above work. A research work carried out at Manipal University has confirmed that Insol-N reduced HBA1-C level among diabetic patients by 40% within 3 months and improve quality of life among diabetics.
 - b) MUNEKS, an anti-cancer product being proved its anti-carcinogenic activity by Vels Pharmacy, Chennai. Studies have proved that Muneks has significant anti-tumor property as it stops and regresses tumor growth and is non-toxic even in high dosage.
 - c) HERBOTRIM being tested by Vels Pharmacy, Chennai, and found to be very effective in controlling lipid and cholesterol with high anti-atherogenic quality. Experimental studies have proved highly significant reduction of Total Cholesterol, LDL, VLDL, Triglycerides, atherogenic index and increase in HDL, indicating promising results of Herbotrim as hypocholesteremic drug.
 - d) MUNIOJUS, a product for HIV+ve patients, reduced the viral load from 45,000 to NIL along with overall improvement in general conditions of the patient.
 - e) HEARTOGEN, is a safe cardio-protective supplement that can be used in hypertension, cardiac arrhythmia (irregular heart beat), chest pain, to improve blood circulation to heart and also to strengthen heart muscles. The latest study conducted by Ramachandra University, Chennai, provides evidence for protective effects of Heartogen on myocardium in experimentally induced myocardial infarction (major heart attack) by its action of inhibiting cell death (apoptosis).
 - f) HIRANYA PRAASHA, a universal vitalizer for all ages which develops immunity naturally, a memory booster, acts as anti-oxidant, improves vigor and vitality, slows down degenerative process in old age and a very useful health supplement in chronic ailments. Its immuno-modulatory action has been scientifically proved. A survey study carried out among more than 6,000 school-going children have showed considerable improvement in gastro-intestinal, respiratory and behavioural parameters indicating that Hiranya Praash is beneficial in enhancement of physical and mental health of children. Found to be very much useful in the treatment of Leukemia along with Muneks Tablets.


MUNIYAL[®]
A Y U R V E D A

Since  1939

JANUAR[™]

Dr. Krshna Life Sciences Ltd.

Bringing Life to Science[™]

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