

THE SYNAPSES**ISVS NEWSLETTER****Editor: Ashok Kumar****Associate Editor: Deepak Kumar Tiwari****In this Issue**

- Feature: Education and Training of Veterinary Staffs in Radiation Exposure: An Urgent Priority
- Awards / Honours / Recognitions
- Upcoming Events
- Conferences/ Symposia / Workshops / Seminars/ Trainings
- Publications
- Appointments/Promotions/Assignments
- Retirement
- Remembrance

Executive Committee**Advisor**

Dr. A.P. Singh

President

Dr. B. Rameshkumar

Vice-President(s)

Dr. Jitender Mohindroo

Capt. (Dr.) Ravi Raidurg

Dr. Anil Kumar Gangwar

Dr. Shirish V. Upadhye

Dr. Indramani Nath

Executive Secretary

Dr. D.B. Patil

Joint Secretary

Dr. Adarsh Kumar

Additional Secretary (HQ)

Dr. R.N. Chaudhary

Treasurer

Dr. Deepak Kumar Tiwari

Zonal Secretaries**North:** Dr. Hans Raj Bhardwaj**South:** Dr. N.V.V. Harikrishna**Central:** Dr. P.D.S. Raghuvanshi**West:** Dr. S.K. Jhirwal**East:** Dr. Md. Moin Ansari**North East:** Dr. Dwijen Kalita**From the Escrioire of Advisor**

Dear Members,

At the outset, I congratulate Dr. Indramani Nath and his team to organise a wonderful conference at the capital city of Odisha and the Temple City of India, Bhubaneswar. The event was a marvelous feat, each element of the conference was properly thought out and skillfully implemented. Everything came out so well and beautifully, which was a credit to everyone's effort and commitment. We all were blessed by Bhagwan Jagannath, Balabhadra and Devi Subhadra. It was really a memorable event that will be cherished for many years to come. The 47th Annual Congress of Indian Society for Veterinary Surgery will be organised by the Department of Veterinary Surgery and Radiology, College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati, Assam. I really hope that everyone will have an amazing time during the convention. The new Executive Council of ISVS was elected during the conference. It is truly an amalgamation of the old and young, experience, energy and dynamism. I congratulate the newly elected executive council members and hope the new team will work to bring new glories to ISVS. The news of passing away of a distinguished personality Prof. (Dr.) Jibananda Mohanty on September 12, 2023 left everyone deeply shocked, and words fail to convey the magnitude of the grief. We lost a great, prominent and outstanding academician, surgeon, leader, administrator and above all a great human being, and be remembered for his contribution to the veterinary profession particularly surgery and ISVS. I am happy, that the January issue of the newsletter has highlighted the entire activities of ISVS and the surgery discipline. I call on all the members to contribute vigorously to the newsletter so that the members are benefited.

**Dr. Ambka Prasad Singh****From the Desk of President**

Dear Esteemed Members,

I extend my warm greetings and thanks for electing me as the president of our prestigious society, Indian Society for Veterinary Surgery, to each one of you and express my sincere appreciation for your dedicated efforts in the field of veterinary surgery. As we come together to celebrate the progress, we have made and contemplate the challenges that lie ahead, I am reminded of the crucial role you play in ensuring the health and well-being of our animal companions. Our nation has a rich heritage that deeply values the bond between humans and animals. In this context, the work that the Indian Society for Veterinary Surgery undertakes is of paramount importance. Your commitment to advancing the field of veterinary surgery not only contributes to the alleviation of animal suffering but also enhances the overall quality of life for both animals and their human caregivers. It is imperative for us to acknowledge the pivotal role of veterinary surgery in mitigating the impact of various health issues that affect our beloved pets, livestock, and wildlife. From routine procedures to complex surgeries, your expertise plays a crucial role in preserving the health and vitality of the animals under your care. In the face of evolving challenges, including emerging diseases and changing environmental conditions, our society stands as a beacon of knowledge and compassion. I encourage you to continue fostering collaboration and knowledge sharing within our community. By promoting research, education, and the adoption of innovative surgical techniques, you contribute not only to the betterment of veterinary science but also to the welfare of our entire society. As we move forward, I urge you to embrace advancements in technology and research that can enhance the precision and effectiveness of veterinary surgery. Additionally, let us continue to advocate for ethical practices and humane treatment, ensuring that our approach to veterinary surgery aligns with the values we hold. I extend my deepest gratitude to each member of the Indian Society for Veterinary Surgery for your unwavering commitment to the well-being of animals. Your dedication reflects the spirit of compassion that defines our society, and I am confident that together, we can build a future where veterinary surgery continues to make significant strides for the benefit of all living beings. Wishing you continued success in your endeavours.

**Dr. B. Rameshkumar****From Executive Secretary Pen**

Dear Members,

Greetings from ISVS !

ISVS is accelerating its developmental phase, with new office bearers under the able guidance of Advisor, Dr. A. P. Singh and President, ISVS, Dr. Ramesh Kumar.

I fervently request all members to visit ISVS website and suggest new innovative steps to infuse vibrancy into our organization.

I am sanguine that Heads of Department will make every effort to establish ISVS Canine Mammary Neoplasm Registry at departmental level as per the format circulated.

I am sure, all will enjoy reading this Newsletter highlighting varied activities.

Happy Surgical Learning!

**Dr. Deepak B. Patil**

Education and Training of Veterinary Staffs in Radiation Exposure: An Urgent Priority

The number of Small Animal Veterinary Clinics are increasing in every Indian City and the facilities these clinics are offering to pet parents are wide ranging. Compared to few years ago when only basic vaccination and treatment was carried out, today's modern veterinary clinics some privately owned, corporate owned, some under educational institutes and some under government are offering radiology facility, sonography facility, in-house laboratory facility, in house C-arm facility, antigen and antibody testing, and even CT scans and MRI scans to our companion animals. Though, these facilities are adding to improve diagnosis at clinical level and providing the convenience to pet parents under one roof, veterinary surgeons must remember all these technologies, are to be incorporated into our practice with precaution to our health and the health of our staff, and individuals accompanying the pet. As X-rays involve ionizing radiation that can deposit energy in human cells and cause tissue changes, it is important to minimize any associated risk to the patient, the veterinary radiologist and the pet parent holding the pet for imaging. This needs to be done by limiting the radiation exposure to the minimum required to create the clinical images needed to answer the diagnostic question.

The purposes of this article is to serve as an educational update and to identify opportunities for improved radiation protection for practicing veterinary radiologists. Facilities involving radiations need to be used with all necessary and mandatory protective equipment for our own safety, safety of our staff and pet parents accompanying these pets. Many a times our patients/animals move during this image procedure and need to be manually restrained which adds to the personal exposure to these radiations more as compared to human counterpart. Multiple exposure of the same pet for diagnosis and follow-up also adds up to more radiation exposure. Movement of animals, poor quality images, images inappropriate to reach a diagnosis all add up to everyone concerned being exposed to more and more radiation.

The risk of injury associated with long-term occupational exposure to ionizing radiation is though low for radiologists taking appropriate precautions. However, we need to systematically review and inform our veterinary radiologist and radiology technicians about radiation-related effects to which they are potentially susceptible.

Formal education and training in veterinary radiation safety and management, careful attention to good radiation protection habits, and continued emphasis on radiation management and the as low as reasonably achievable principle are to be followed for all those working in veterinary radiologist department. The cumulative lifetime occupational radiation dose experienced by veterinary radiologists and the potential resulting adverse effects have always been a concern. Radiation risks were poorly understood in the early days of



veterinary imaging, and available literature indicates radiology has been involved in cases of skin cancer and leukaemia.

Currently veterinary radiologists in clinical practice, particularly those who routinely perform image-guided procedures, C-arm procedures, fluoroscopy, are more likely to be exposed radiation above safe levels. We as veterinary radiologist must optimize the use of radiation in veterinary imaging.

Simple steps can be taken to reduce occupational dose and therefore risk. It is always important to remember that balance must be achieved, which is the concept of "as low as reasonably achievable" (ALARA) and appropriate radiation protection measures. Indian veterinary surgeons and radiologist who work closely with fluoroscopy and other x-ray imaging, modalities should have formal didactic and hands-on training in radiation physics, radiation biology, radiation safety, and radiation management. This will facilitate the formation of good habits early during a career, which can then be reinforced with periodic continuing education on radiation safety and management.

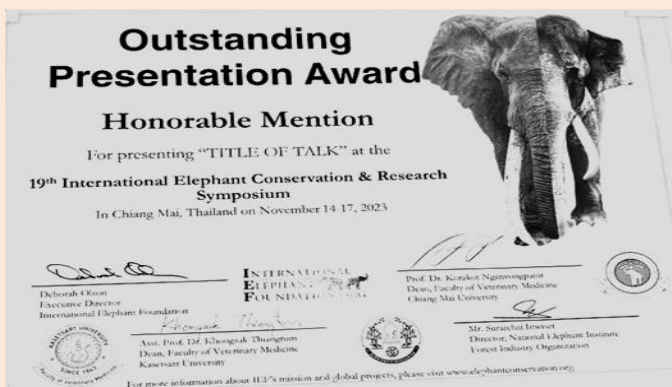
Protective garments and other apparels are the radiation protection measures that must receive the utmost attention. Because the attenuation of radiation is exponential, the use of protective garments is a very effective intervention. In general, the service life of protective clothing is said to be about five years, but it is necessary to check the protective clothings for damage every few months using fluoroscopy. However, other strategies, such as distance are also very effective protective measures. Moving back from the tableside to approximately four meters results in a reduction in occupational dose. Other radiation shielding method include lead shields, which are often more effective than garments because they are often of higher lead equivalence and can be positioned closer to the source of scattered radiation, thus protecting more of the operator's body. Thyroid shields should be used as well. Typically, a 0.5-mm lead-free or lead-composite garment will have a reasonable protective value. Dosimeters are to be worn consistently and correctly. The use of pocket digital dosimeters is useful for measuring the operator's own radiation exposure for each procedure. Protective eye wear is also recommended. Another important consideration is the dose the animal patient is exposed. The best way to reduce occupational dose exposure is to reduce the dose to the patient.

Formal education and training on radiation safety and management, careful attention to good radiation protection habits, and continued emphasis on radiation management and the ALARA principle are recommended for all veterinary radiologists. Organization like the ISVS in leadership positions must ensure that radiation protection is strictly enforced for all the young veterinary radiologist under their instruction.

Dr. Shrinivas V. Vishwasrao
*Ex officer-in-charge Bombay Veterinary College
Practising Small Animal Surgeon and Radiologist, Mumbai*

AWARDS / HONOURS / RECOGNITIONS

Dr. K.K. Sarma received Outstanding Presentation Award for presenting “TITLE OF TALK” at the 19th International Elephant Conservation and Research Symposium in Chiang Mai, Thailand on November 14-17, 2023.



Dr. Samit Kumar Nandi, Professor and Former Head, Department of Veterinary Surgery and Radiology, West Bengal University of Animal & Fishery Sciences, Kolkata, was awarded ICAR National Professorship. He joined the said post on 22.08.2023 for a tenure of five years.



Professor Md. Moin Ansari, University Professor and Head, Department of Veterinary Surgery and Radiology, Bihar Veterinary College, Bihar Animal Sciences University, Patna, was awarded Global Outreach Healthcare Award-2023, winner under the category “Outstanding Researcher in Veterinary Physiotherapy and Rehabilitation” under the auspices of Global Outreach Medical and Health Association, India, for his highest standards of excellence in academic, research, innovation, entrepreneurship, leadership, development, clinical work and also for outstanding achievements received on 10th August, 2023. Professor Ansari, was also bestowed with the Dr. C.M. Singh Sushruta Gaurav Ratna Samman-2023, jointly organised by Dr. C.M. Singh Endowment Trust, Bareilly, Pashudhan Praharee, Goel Pharma and others Organization for his recognition of Outstanding and significant contribution in the field of Veterinary Science in India, on the occasion of Indian Veterinary Doctor’s Day, on 30th November, 2023.



Dr. Amitha Banu S and **Dr. Sharun Khan** participated in the Tissue Engineering and Regenerative Medicine International Society - Asia-Pacific Conference 2023 held at Hong Kong from the 16th to 19th of October 2023.

Dr. Amitha Banu S., PhD Scholar, Division of Surgery, ICAR-Indian Veterinary Research Institute, received the Best Poster Award (Citation + 600 Hong Kong Dollars) in the Student and Young Scientist (SYIS) category at the Tissue Engineering and Regenerative Medicine International Society (TERMIS) Asia-Pacific Chapter Conference 2023 held at Hong Kong from the 16th to 19th of October 2023. She presented a poster titled “Hepatoprotective effect of mesenchymal stem cells, platelet-rich plasma and hepatocyte growth factor on bile duct ligation induced liver cirrhosis model in rats”



Dr. Amitha Banu S. received the FAPESP grant (The São Paulo Research Foundation) for participating in the São Paulo School of Advanced Science on Stem Cell Biology and attending the International Symposium of International Society for Stem Cell Research (ISSCR), São Paulo Meeting held 16-24 September 2023 in Ribeirão Preto, Brazil. Dr Amitha was one of the students selected from 18 countries and 5 continents - South America, North America, Africa, Asia, and Europe.

Dr. Sharun Khan, PhD Scholar, Division of Surgery, ICAR-Indian Veterinary Research Institute, received Travel grant from Science and Engineering Research Board (SERB) under the International Travel Support (ITS) project for participation in the Tissue Engineering and Regenerative Medicine International Society - Asia-Pacific Conference 2023 held at Hong Kong from the 16th to 19th of October 2023. He presented a poster titled “Impact of the Operator on Qualitative and Quantitative Parameters of Non-Activated Platelet-Rich Plasma: Practical Implications for Regenerative Medicine Applications”.



Dr. Sharun Khan received the World's Top 2% Scientist 2023 recognition given by the Stanford University and Elsevier based on the citation database analysis (Scopus). This is the second consecutive year, he received this recognition. Earlier Dr. Sharun received Highly Cited Researcher™ recognition from Clarivate Analytics™ for becoming the most influential researchers who have been most frequently cited over the last decade. He is one among the 6,938 researchers selected worldwide and 25 individuals selected from India. The Highly Cited Researchers list identifies and celebrates exceptional individual researchers whose significant and broad influence in their fields translates to impact in their research community and innovations that make the world healthier, more sustainable and more secure.



UPCOMING EVENTS

47th Annual Congress of Indian Society for Veterinary Surgery will be organized by the Department of Veterinary Surgery and Radiology, College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati, Assam.

WORKSHOPS / TRAININGS / CONFERENCE / SYMPOSIA / CONVENTIONS / SEMINARS

46th Annual Congress of Indian Society for Veterinary Surgery and National Symposium on “Emerging Trends in Farm, Companion and Wild Animal Surgery” was organized by the Department of Veterinary Surgery & Radiology, College of Veterinary Science & Animal Husbandry, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha, India from 6th to 8th December 2023. The event drew distinguished guests, including Chief Guest Sri Suresh Kumar Vashisth, IAS, Principal Secretary, F & ARD Department, Government of Odisha, and Guest of Eminence Shri G.C. Pati, IAS (Retd.), Former Chief Secretary, Government of Odisha. Guest of Honour Prof. Ashok Kumar Mahapatra, Former Director, AIIMS, Bhubaneswar, and Former Vice-Chancellor, Siksha ‘O’ Anusandhan, deemed to be University, added to the grandeur of the occasion. Prof. Pravat Kumar Roul, Hon’ble Vice-Chancellor, Odisha University of Agriculture and Technology, Odisha, presided over the ceremony.

The event showcased the expertise of Dr. N.H. Kelawala, Hon’ble Vice-Chancellor of Kamdhenu University & President, ISVS, and Dr. D.B. Patil, Director of Research and Dean PG Studies & Executive Secretary, ISVS, who delved into emerging trends in Veterinary Surgery and Radiology concerning farm, companion, and wild animal surgery. Prof. Susen Kumar Panda, Dean, C.V.Sc. & A.H., OUAT, chaired the event, shedding light on the pivotal role of Veterinary Surgery in augmenting farmers' income and enhancing the quality of life for pets. More than 500 veterinarians, academicians, researchers, private practitioners, and students

from across Bharat, along with 120 field veterinarians from Odisha states and ten forest officials, actively participated in the congress. Despite intermittent rain, delegates exhibited unwavering enthusiasm and commitment throughout the event, which featured keynote speakers, 12 technical sessions, and interactive discussions. The ceremony also witnessed the presentation of various awards like Fellow of the Indian Society for Veterinary Surgery, Associate Fellow of the Indian Society for Veterinary Surgery, Lifetime Achievement Awards, Dr. R.P.S. Tyagi Oration Award, Gold Medals, Appreciation Certificates and other awards by the Chief Guest and President ISVS. A significant highlight was the inaugural "Epignosis 2023," an extempore competition for postgraduate students, aimed at instilling inspired enthusiasm among budding talents in Veterinary Surgery and Radiology. The plenary session and general body meeting were held on December 8th, 2023, at the Auditorium of CVSc & AH, OUAT, Bhubaneswar, the new executive committee of ISVS was elected. Furthermore, awards for various technical sessions were announced, to be bestowed upon recipients during the 47th Annual Congress of ISVS to be held at Guwahati (Assam). The conference concluded with a memorable delegate excursion to the Shree Jagannath Temple and Konark Sun Temple in Puri district, Odisha.

Prof. (Dr.) Indramani Nath, Organizing Secretary and Head of the Department of Veterinary Surgery and Radiology, CVSc & AH, OUAT, expressed overwhelming gratitude for the active involvement and enthusiastic presence of delegates, marking this event as truly momentous.



Dr. S.K Jhirwal, Assistant Professor, Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Science, Rajasthan University of Veterinary and Animal Sciences, Bikaner delivered a lecture on Veterinary Ophthalmology during a CVE programme organised by Private Practitioners Association (PPAT), Telangana at Hyderabad on 28.07.2023.



Dr. S.K Jhirwal was invited to demonstrate ophthalmology skills during 1-2 October, 2023 at Hyderabad for Veterinary Practitioners.

Veterinary Ophthalmology Workshop
Hands-On Experience
 1st & 2nd October 2023
 Timings : 10.00 AM to 5.00 PM

Highlights of workshop

- Applied ocular anatomy, different reflexes for vision assessment, eye ultrasound
- Hands-on training for ophthalmic examination protocol
- Hands-on training for cataract surgery procedures (ECCE and Phaco)

Dr. S K Jhirwal
 M.V.Sc., PhD (VSR)
 RAJAVAS, Bikaner, Rajasthan

Contact for Seat Reservation
 +91 9705025895 | +91 9121774999



Dr. S.K Jhirwal successfully performed a rare cataract surgery in an Asiatic Lion at Machia Biological Park, Jodhpur, Rajasthan on 11.09.2023.



Dr. S.K Jhirwal delivered a lecture on "Laboratory animal Ophthalmology" during the 7 days training programme for lab animals science at Birla Institute of Technology & Science, Pilani campus on 27.10.2023.



दैनिक नवज्योति Jodhpur City - 12 Sep 2023 - Page 2

माचिया में शेर रियाज की आंखों का हुआ सफल ऑपरेशन

जन्म से ही नहीं देख पा रहा था रियाज

यह ऑपरेशन टीम में रहे शामिल

जन्म से ही नहीं देख पा रहा था रियाज

यह ऑपरेशन टीम में रहे शामिल

जन्म से ही नहीं देख पा रहा था रियाज

यह ऑपरेशन टीम में रहे शामिल

Dr. S.K Jhirwal was invited by Rajasthan State Higher Education Council, Government of Rajasthan, Jaipur to deliver a lecture in the One-Day National Workshop on New Approaches in Indian Higher Education System - NEP 2020 at Govt. Dungeer College, Bikaner on 03.11.2023.



Dr. Tarun Kumar Gahlot, former Head of Clinics; College of Veterinary and Animal Science, Rajasthan University of Veterinary and Animal Sciences, Bikaner, Bikaner, became the member of CAMENET Technical Committee and attended a meeting of the committee in Abu Dhabi on 20-21 November, 2023.



One Day Anaesthesia Workshop conducted at College of Veterinary and Animal Sciences, Udgir on October 16, 2023

The One Day Anaesthesia Workshop, held at the College of Veterinary and Animal Sciences in Udgir on October 16, 2023, was a significant event organized to commemorate World Anaesthesia Day. This workshop was conducted to emphasize the importance of anaesthesia in veterinary practice and aimed to educate field veterinarians and postgraduate students about the essential principles and practices of veterinary anaesthesia. The program commenced with a formal inauguration, Dr S.S. Pitlawar welcomed all the dignitaries and participants. The discovery of anaesthetics and the role of anaesthetics in providing superior veterinary care to the animals and its implications were emphasized by him as an introductory note. The compendium on Anaesthesia and Cancer Care was released which covered a myriad of subjects on anaesthesia, its protocols, and an array of techniques applied to various species, ensuring that it serves as a valuable resource for all those engaged in the welfare of animals. The quiz competition was also organized for the final year students including the students from post graduate clinical departments. In the quiz competition, Yogesh secured the first position, followed closely by Ishwari Joshi in second place. The third prizes for the quiz were claimed by two students, Puja Chepurwar and Vinayak Naiknaware. Dr N.Z. Gaikwad, Dean, College of Veterinary and Animal Sciences, delivered the presidential address and highlighted the significance of the event in advancing veterinary healthcare. He emphasized the role of anaesthesia in ensuring the well-being of animals during various surgical procedures. The workshop was graced by the presence of two distinguished Chief Guests, the Regional Joint Commissioner of Animal Husbandry Dr Nana Sonawane from Latur region and the District Deputy Commissioner of Animal Husbandry Dr R.D. Padile from Nanded. They commended the efforts of the College in organizing such a significant event and highlighted the importance of collaborative efforts between government bodies and educational institutions to enhance veterinary care and practices in the region. Dr. S. Senthil Kumar, Professor and Head of the Department of Veterinary Surgery and Radiology, Veterinary College and Research Institute, Salem Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), delivered a special lecture on "Essential Comprehensions of Veterinary Anaesthetic Practice." His lecture covered various aspects of veterinary anaesthesia, including pre-anesthetic assessment, drug selection, monitoring techniques, and post-operative care. After the lecture, a live demonstration of general anaesthetic procedures was conducted, which provided the participants with a practical understanding of the principles of anaesthesia. The demonstration included induction, intubation, maintenance, and monitoring of an anaesthetized animal. This hands-on experience was the highlight of the workshop, as it allowed participants to observe and learn the techniques themselves. The event concluded with a vote of thanks by Dr. Suryavanshi, who had played a pivotal role in coordinating the workshop. He expressed gratitude to all the participants, speakers, and guests for their valuable contributions and

attendance. The workshop was attended by thirty five field veterinarians and postgraduate students, making it a comprehensive learning experience. The participants had the opportunity to interact with the experts, ask questions, and exchange ideas, which enriched their understanding of veterinary anaesthesia.

Training on Anaesthesia and Fracture Management in Large Animals at College of Veterinary and Animal Sciences, Udgir (Maharashtra), 03-05 October, 2023.

The Training and Education Centre, Indian Veterinary Research Institute, Pune organised a three-day hands-on training programme on ‘Anaesthesia and Fracture Management in Large Animals’ from 3rd to 5th October, 2023, in collaboration with the College of Veterinary and Animal Sciences, Maharashtra Animal and Fishery Sciences University, Nagpur, (MAFSU), Udgir (Maharashtra). A total of thirty veterinary officers from different states such as Maharashtra, Karnataka, Goa, Gujarat and Andhra Pradesh along with PG students from COVAS, Udgir and Veterinary College, Bidar (Karnataka) participated in the training programme. The Chief Guest of the inaugural function of the training programme held on 3rd October 2023 was Dr Ganesh Gadegaonkar, officiating Associate Dean, College of Veterinary and Animal Sciences, Udgir. Others present on the occasion were Dr HP Aithal, Principal Scientist & Station In-charge and Dr Sanghratna V Bahire, Scientist from TEC Pune, Dr SS Pitlawar, Assistant Professor and Sectional Incharge and Dr RV Suryawanshi, Assistant Professor from the Department of Veterinary Surgery and Radiology, Dr AD Patil from Department of Animal Reproduction and Gynaecology, Dr PS Masare and Dr RK Jadhav from Department of Veterinary Medicine, Dr AV Bhosale from the Department of Veterinary Microbiology and others. Dr SS Pitlawar welcomed the guests and participants of the training programme. Dr HP Aithal briefed about the activities of TEC Pune and the objective of the training for up-skilling the practicing veterinarians in the field of large animal anaesthesia and fracture management. Dr Gadegaonkar, Chief Guest of the function, appreciated the efforts of TEC Pune in organising the need based training programme for the field veterinarians and briefed about the facilities and services offered by the College for the field veterinarians. He also appreciated the participants who have come from different states and urged them to make full use of the training programme in learning latest skills in anaesthesia and fracture management. Dr (Mrs) MK Patil, Assistant Professor, Department of Pharmacology, compered the event. The training included lectures, demonstrations and hands-on training on different aspects of anaesthesia and fracture management like, general considerations in large animal anaesthesia, local and regional analgesia, balanced anaesthetic techniques, total intravenous anaesthesia, inhalation anaesthesia, complications during anaesthesia, basic considerations for fracture management in large animals, external and internal fixation techniques and external skeletal fixation of fractures in large animals. Special attraction included anaesthetic management of a buffalo undergoing diaphragmatic herniorrhaphy, epoxy-pin ESF fixation of tibial fracture in a calf, hanging limb pin cast and circular ESF application in a buffalo calf. The expert faculty included Dr HP Aithal, Principal Scientist from TEC Pune, Dr SS Pitlawar and



Dr RV Suryawanshi from College of Veterinary and Animal Science Udgir and online lectures from Dr Senthil Kumar, Professor and Head, Veterinary College and Research Institute, Orathanadu, Thanjavur (Tamil Nadu) and Dr Rohit Kumar, Scientist from IVRI Izatnagar. All the participants were very enthusiastic, took keen interest and actively participated in the hands-on training. The valedictory function of the training programme was held on 5th October 2023. Dr SS Pitlawar briefed about the conduction of the training and appreciated the participants for their keen interest in learning the techniques. Dr Gadegaonkar, Chief Guest, appreciated the efforts of the organizers for the successful conduction of the training and hoped that the trainees were benefited. Dr Aithal hoped that the trainees gained confidence from the learning experience during the training. He thanked the State AH departments for deputing the officers and urged them to depute veterinary officers for the training programmes regularly organised for the field veterinarians. Chief Guest distributed certificates to the participants. The participants also shared their experiences and thanked TEC Pune and COVAS Udgir for the opportunity to learn advanced anaesthetic and fracture fixation techniques. The trainees also expressed their confidence in inducing anaesthesia and managing fracture cases in large animals. Dr RV Suryawanshi proposed vote of thanks and Dr (Mrs) MK Patil compered the proceedings. The Coordinators of the training programme were Dr HP Aithal from TEC Pune and Dr SS Pitlawar and Dr RV Suryawanshi from COVAS Udgir. Dr Sanghratna V Bahire and Dr Amol Bhalerao from TEC Pune were the co-coordinators. Dr. SS Ghoke and Dr. SR Awhad, also played key role in conducting the training.



Presentation on TIVA by Dr SS Pitlawar



Presentation on balanced anaesthesia by Dr RV Suryawanshi



Chief Guest Dr G Gadegaonkar addressing the participants during the inaugural function



Demonstration of regional nerve block by Dr RV Suryawanshi



Presentation on ESF by Dr HP Aithal



Demonstration of inhalation anaesthesia during diaphragmatic herniorrhaphy in buffalo



Demonstration of hanging limb pin cast



Demonstration of circular ESF



Distribution of certificate to a participant by the Chief Guest



Group photograph of guests and participants of training programme

Hands-on training on ‘ESF Techniques for Fracture Management in Animals’ from 16th to 20th October 2023.

The Training and Education Centre, IVRI, Pune has organised a 5-day hands-on training programme on ‘ESF Techniques for Fracture Management in Animals’ from 16th to 20th October 2023, in collaboration with the District Veterinary Polyclinic, Department of Animal Husbandry, Aundh, Pune (Maharashtra). Eighteen veterinary officers/practitioners from different states such as Karnataka, Maharashtra, West Bengal, Delhi, Haryana, Assam, Uttar Pradesh, Andhra Pradesh and Kerala participated in the paid training programme. The Chief Guest of the inaugural function of the training programme held on 16th October 2023 was Dr Mohan Wani, Director, National Centre for Cell Science (DBT), Pune. Dr HP Aithal, Station In-charge TEC Pune and the Course Coordinator welcomed the guests and participants of the training programme, and briefed about the activities of IVRI Pune Centre and the importance of the flagship training of TEC on fracture fixation techniques for the advancement of surgical skill and knowledge of practicing veterinarians. Dr Mohan Wani, Chief Guest of the function appreciated the efforts of TEC Pune in organising the need based training programmes for the veterinarians and briefed the participants about the importance of basic understanding of pathophysiology of bone for effective treatment of fractures and other bone disorders. He also appreciated the participants who have come from different states and urged them to make full use of the training in learning latest skills in treating fractures. DrSanghratna V Bahire, Scientist (course co-coordinator), TEC Pune, proposed vote of thanks. DrAmolBhalerao, Scientist, TEC Pune (course co-coordinator) compered the event. Dr SK Das, Principal Scientist, was also present on the occasion. The training included lectures, demonstrations and hands-on training on different internal and external skeletal fixation techniques such as IM pin fixation (normograde and retrograde techniques, cross pinning, stack pinning etc.), interlocking nailing, bone plating (DCP and LCP) and external skeletal fixation (liner and circular) techniques. Lectures also included principles of fracture fixation, including structure and development of bone, bone growth regulation, fracture types, fracture healing and factors affecting healing, bone graft and bone tissue engineering, complications of fracture fixation, arthritis and joint luxations, diagnostic imaging in veterinary orthopaedics, management of pain and anaesthesia in orthopaedic patients, and orthotics and prosthetics in small animal orthopaedics. The expert faculty included Dr HP Aithal, Principal Scientist from TEC Pune, Dr Satyawan Agivale and Dr Shalaka Chauhan, Assistant Professors from College of Veterinary Sciences, Shirwal, Satara. Online lectures were also given by DrAswathyGopinathan (Senior Scientist), Dr Kiranjeet Singh (Principal Scientist), andDr Rekha Pathak (Principal Scientist) from Division of Surgery, IVRI, Izatnagar; Dr Jitender Mohindroo, Professor, Department of Veterinary Surgery and Radiology, GADVASU, Ludhiana; Dr Amit Kumar, Assistant Professor, College of Vet. Sciences, Palampur; and Dr Surbhi K Tyagi, Assistant Professor from COVAS, SVPUAT-Meerut. Dr Anil Deshpande, Deputy Commissioner of Animal

Husbandry (Maharashtra), one of the first batch trainees, spoke on the importance of the hands-on training and how to make its full use in the field by narrating his experience. All the participants were very enthusiastic, took keen interest and actively participated in the hands-on training. The valedictory function of the training was held on 20th October 2023. Dr VD Aher, Associate Dean, College of Veterinary Sciences, Shirwal, was the Chief Guest. Others present on the occasion were Dr Anil Deshpande (DCAH), Dr Jayant Mahore (ACAH), and Dr Sarika Funde, Chief Veterinary Officer, Pune Municipal Corporation. Dr Aithal welcomed the guests and briefed about the conduction of the training and hoped that the trainees have gained confidence from the learning experience during the training. The Chief Guest distributed certificates to the participants and spoke on the importance of training on fracture fixation, and hoped that the trainees would make full use of the skill and knowledge gained in treating the day to day orthopaedic cases. Dr VD Aher, outgoing Associate Dean, was felicitated during the occasion, on his superannuation. Dr Anil Deshpande, one of early batch participants, was given appreciation certificate for his efforts in field application of training skills and his continued support to TEC IVRI Pune in organizing various programmes. He appreciated the efforts of TEC in regularly organizing orthopaedic training for practicing vets. The trainees expressed their confidence to treat fracture cases and profusely thanked TEC IVRI Pune and Department of Animal Husbandry Maharashtra State for providing an opportunity to learn advanced fracture fixation techniques. Dr Sanghratna V Bahire proposed vote of thanks and Dr. Amol Bhalerao compered the proceedings.



Group photograph of participants, guests and faculty during the inaugural function of training



Participants in surgical attire ready for hands-on training



Dr Mohan Wani, Director NCCS and Chief Guest addressing the participants



Demonstration and hands-on training on fracture fixation



Participants of the training



Feedback from one of the participants



Feedback from one of the participants



Certificate distribution to a participant by the Chief Guest, Dr VD Aher



Certificate distribution to a participant by the Chief Guest, Dr VD Aher



Group photograph with the Chief Guest and participants during the valedictory function

Large animal udder and teat surgery training by the Department of Veterinary Surgery & Radiology, Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry-605009

A training program for field veterinarian, Post graduate and under graduate students was conducted from 22.09.2023 to 23.09.23. The training program was sponsored by Indian Society for Veterinary Surgery (ISVS). A total of fifteen participants registered for the training. The training program began with the registration and the kits were also provided with a training manual on udder and teat surgery. Dr. N. Arul Jothi, Professor and Head, welcomed the participants and gave an introduction to the training program and the importance of udder and teat surgeries at the field. Ultrasound scanning of the udder and teat was demonstrated in clinical cases reported to large animal unit of the department and the participants were given hands-on training individually on scanning of udder and teat using slaughtered udder specimen. The method of scanning and probes to be used were explained to the participants. Suturing of udder and teat were demonstrated and the participants were given hands-on training of suturing on a slaughtered udder specimen. Common instruments used in udder and teat surgeries and their practical utility were also explained. A lecture on surgical affections of udder and teat was also delivered by Dr. N. Arul Jothi. On the second day, the demonstration of nerve blocks and anaesthetic procedures in cattle and birds was given by Dr. S. Senthil Kumar. All the participants were given certificates by the Dean, Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry. Dr. S. Senthil Kumar was also felicitated in the training program. Participants gave their feedback on the training program. The organizing team gave vote of thanks, conveying thanks to Indian society for veterinary surgery (ISVS) for sponsoring the training program.



Capt (Dr) Ravi Raidurg, Professor and Head, Department of VSR, Veterinary College Shivamogga delivered ten “Guest lectures” to under graduate students of COVS, Ludhiana, GADVASU under Institutional Development Plan (IDP) – National Agriculture Higher Education Project (NAHEP)



Inspection of ABC Centre run by Municipal Corporation and Animal Welfare Organizations in Bengaluru (16th -17th Aug 2023). **Capt (Dr) Ravi Raidurg**, in his capacity as AWBI Nominee along with a team comprising of Asstt Secretary AWBI inspected eight ABC Centre run by Municipal Corporation and Animal Welfare Organizations in Bengaluru.



One-Day Hands-On Training on Animal Sterilization Procedures

The Department of Veterinary Surgery and Radiology at the Veterinary College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Salem, Tamil Nadu organized a one-day hands-on training on Animal Sterilization Procedures on November 28, 2023 to improve the surgical skills of the practicing veterinarians. The training was successfully conducted with twenty five participants from five different states. The participants were actively engaged in various hands-on training activities, including surgical procedures and practical demonstrations. Dr S. Senthil Kumar, Dr. P Sankar and Dr. E Kalaiselvan, faculty from the department under the guidance of Dr A. Elango, Dean, VCRI, Salem, assisted in conducting the training. Their expertise and guidance significantly contributed to the success of the program. Prior to the hands-on training, an online lecture was conducted to sensitize participants to contemporary practices employed in animal sterilization procedures. This lecture provided an essential theoretical foundation for the practical training. During the one-day training program, participants were exposed to various aspects of animal sterilization procedures, including but not limited to: Pre-

operative preparation, anesthesia techniques, surgical techniques, post-operative care and complication management. The hands-on experience allowed participants to practice their skills and gain confidence in performing sterilization procedures on animals. The training was successfully completed, ensuring that participants gained valuable insights into animal sterilization procedures. Pre and post-training evaluations were conducted to assess the knowledge and skills gained by the participants. This program not only enriched the participants' knowledge and skills but also contributed to the advancement of contemporary practices in animal sterilization. The evaluations revealed a significant improvement in the participants' understanding of animal sterilization procedures, emphasizing the effectiveness of the training program. The valedictory function took place following the conclusion of the training program. Dr. A. Elango, Ph.D., Dean of Veterinary College and Research Institute, Salem, chaired the event and commended the participants for their successful completion of the training. The Department of Veterinary Surgery and Radiology remains committed to organizing such valuable training programs in the future to continue promoting excellence in veterinary surgical practices.



Hands On Training on Aseptic Practice



Hands on Training on OHE in a dog



Hands on Training on Castration in a dog



Valedictory Function

The 23rd batch of **hands-on training in Techniques in Small Animal Anaesthesia** was conducted by the Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Sciences, Kerala Veterinary and Animal Sciences University, Pookode, Wayanad from August 9 to 11, 2023. This was a need-based training of three days duration, conducted by the department under the course directorship of Dr. Sooryadas S., Associate Professor, and under the auspices of the Directorate of Clinics and Directorate of Entrepreneurship. To ensure real hands-on experience, the intake is currently limited to maximum six participants in a batch. Till date, a total of 84 veterinary practitioners across the country had attended the training.

ISVS Kerala chapter had conducted the following programs in the year 2023

ISVS Kerala chapter organised the first CVE program on **Hands-on Training and Workshop on Diagnostic Ophthalmology** successfully on 02.11.2023 at Department of Veterinary Surgery and Radiology, CVAS, Mannuthy.

Pre-conference webinars on Glaucoma-the Silent Killer by Dr S Anoop, Professor, CVAS Mannuthy on 28th October 2023 and **Cataracts in Dogs** by Dr S Sooryadas, Associate Professor, CVAS, Pookode on 31st October 2023 were conducted.

Hands-on Training and workshop: Twenty participants were registered for the hands-on workshop on diagnostic ophthalmology. The program started with inauguration of workshop by Dr K Vijayakumar, Dean, CVAS Mannuthy in a meeting presided by Dr CB Devanand, President ISVS Kerala Chapter. Dr MK Narayanan, Dean CVAS Pookode released the compendium and offered felicitation. Slaughter specimens of bovine eyes and intact head of goats collected from abattoir were used as main models for hands on practice, whereas training on direct and indirect ophthalmoscopy examination

was performed in dogs affected with disease brought as clinical cases. The Slit lamp Biomicroscope, Pachymetry, Tonometry, STT, FDT, Operating Microscope, Direct and Indirect ophthalmoscope, Slit lamp biomicroscope and Ultrasound scan techniques were demonstrated.

Besides twenty participants, eleven faculty members and PG students were actively involved in the organisation and execution of the workshop.

The Annual Conference 2023 of ISVS Kerala Chapter, 3rd Prof. (Dr.) P O George Commemoration Speech and CVE on Role of Veterinary Surgeons in Translational Research

The Annual Conference 2023 of ISVS Kerala Chapter, 3rd Prof (Dr) PO George Commemoration Speech and CVE on Role of Veterinary Surgeons in Translational Research were organised at Hotel Merlin International, Thrissur on 26th November, 2023 at 10.00 am. The Conference was inaugurated by the Chief Guest, Dr Sreekumar Pillai, Professor and Head, Surgical Oncology Superspeciality of Jubilee Mission Medical College, Thrissur in a meeting presided by Dr C B Devanand, President, ISVS Kerala Chapter. The Chief Guest appreciated the conduct of annual conference with the participation of elders of surgery profession and continuing commemoration speeches of the veteran in surgery which he termed as an act of commitment to gurus. He also liked the topic of CVE program and expressed it as one of his favourites and recollected the sacrifice of many animals after acting as disease models for the welfare of human beings. He reiterated that the highlight of this conference is the keen interest of a handful of participants as delegates.

Dr T Sarada Amma, Former Professor and Head of Surgery and Radiology, CVAS Mannuthy delivered Prof (Dr) PO George commemoration Speech. Dr Syam K Venugopal, Professor and Head of Surgery and Radiology, CVAS Mannuthy welcomed the gathering. Dr. S. Sooryadas, South Zone Secretary ISVS and Dr. M.K. Narayanan, Dean, CVAS, Pookode offered felicitations and Dr Sudheesh S Nair, Secretary ISVS Kerala Chapter proposed the vote of thanks.

Dr Sachin J Shenoy, Scientist G, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram handled the talk on CVE entitled "*Role of Veterinary Surgeons in Translational Research*".

Dr S Anoop, Professor of Surgery and Radiology acted as the Chairman and Dr Dilip F Falgunan, North Zone Secretary ISVS Kerala Chapter as the Rapporteur of the session.

The CVE was followed by Annual General body meeting of the chapter.

Dr CB Devanand chaired the General Body meeting. Dr Sudheesh S Nair presented the report of activities and accounts for 2023 and both were unanimously approved by the body. Election of new office bearers for 2024 was taken up as the next agenda and it was decided by the body to continue the existing committee for the next year. On the request of Dr Sudheesh S Nair, Secretary, who has to move abroad during December consequent to his acceptance of job offer at Ross University School of Veterinary Medicine West Indies, a decision was taken in the meeting to replace him by electing Dr Reji Varghese as the new general secretary. Dr Syam Venugopal and Dr Nijin Jos were elected as Auditors.

Following proposals were put in the meeting:

- 1) To take up actions to materialise speciality cadre of surgeons and to post doctors with postgraduation in surgery in District Veterinary Centres of Kerala State Department of Animal Husbandry
- 2) To conduct training in topics of interest at field level under the auspicious of Kerala Chapter collaboration with Surgery departments.
- 3) To form a separate WhatsApp group of all alumni of CVAS Mannuthy and Pookode.

The general body meeting ended by vote of thanks by Dr Sudheesh S Nair.

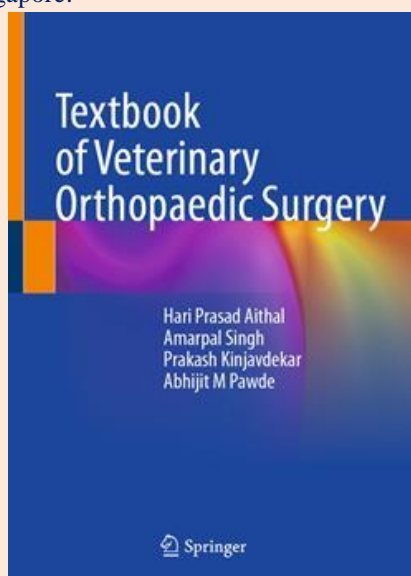
Certificates were distributed to all attended delegates.

Following are the newly elected office bearers of ISVS Kerala chapter:

- President: Dr. C B Devanand
- Vice President: Dr. Annie Varghese
- General Secretary: Dr. Reji Varghese
- Joint Secretary: Dr Remya V
- North Zone Secretary: Dr Dilip Falgunan
- South Zone Secretary: Dr Ajith P

PUBLICATIONS

The **Textbook on Veterinary Orthopaedic Surgery (2023)** authored by Hari Prasad Aithal, Amar Pal, Prakash Kinjavdekar and Abhijit M Pawde was published by Springer Nature, Singapore.



The Textbook of Veterinary Orthopaedic Surgery emphasizes the fundamentals of bone fracture and its fixation, including advanced techniques of osteosynthesis in both small and large animals. Various fracture fixation techniques and devices have been described in simple language with the help of sketches and photographs. The chapter on the basic considerations in fracture fixation narrates bone structure and types, bone development and growth regulation, types of fracture and fracture healing, first aid and emergency treatment, selection of fracture fixation technique, anesthetic management, and fracture fixation implants and instruments. The book highlights principles of different external, internal, and external skeletal fixation techniques. It also presents various basic and advanced techniques used to manage specific fractures in different bones,

separately for small and large animal patients. It also includes specific topics like fracture fixation in young, osteoporotic, and avian bones, open fracture management, bone grafts and scaffolds, and fracture fixation complications. Towards the end, the book elucidates miscellaneous but essential topics in veterinary orthopedics such as metabolic bone diseases, antebrachial bone deformities, joint luxations, arthritis, common tendon, and ligament injuries, bone tumors, and physiotherapy and rehabilitation of patients. This textbook is essential reading for veterinary students, practitioners, and researchers working in veterinary orthopedic surgery.

APPOINTMENTS/ASSIGNMENTS/PROMOTIONS

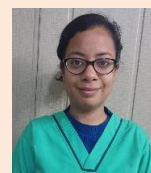
Dr. Naresh H Kelawala was given extension on the post of Vice Chancellor, Kamdhenu University, Gandhinager, Gujarat till further orders.



Dr. Amit Kumar joined as Assistant Professor, Department of Veterinary Surgery and Radiology, College of Veterinary Science (Rampura Phul), GADVASU, on September 25, 2023.



Dr. Nikita Gupta joined as Assistant Professor, Department of Veterinary Surgery and Radiology, College of Veterinary Sciences, GADVASU, Ludhiana on September 20, 2023.



Dr. Anju Poonia joined as Assistant Professor, Department of Veterinary Surgery and Radiology, College of Veterinary Sciences, GADVASU, Ludhiana on September 25, 2023.



Dr. Prabha Sharma, Dr. Akash and Dr. Jyotsana Bhatt Joshi joined as Assistant Professor in the Department of Veterinary Surgery and Radiology, College of Veterinary Science and A.H., DUVASU, Mathura in November 2023.



Dr. Prabha Sharma



Dr. Akash



Dr. Jyotsana Bhatt Joshi

Dr. Richa Chourasia joined as Assistant Professor, Department of Veterinary Surgery and Radiology, College of Veterinary Science (Jodhpur), RAJUVAS, Bikaner on December 11, 2023.



Dr. Sharun Khan, PhD Scholar, Division of Surgery, ICAR-Indian Veterinary Research Institute was appointed as the Guest Editor of the Journal Discovery Medicine (Journal Citations Reports Impact Factor – 1.4) for the Special Issue (SI) on Molecular Pathways of Stem Cell Maintenance and Differentiation.



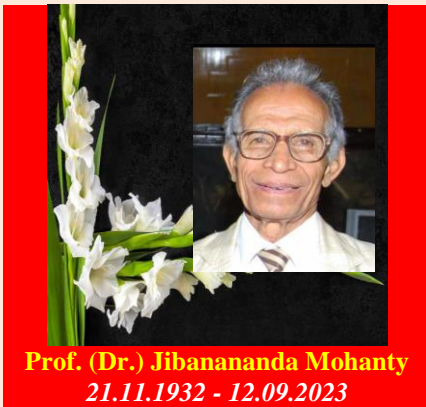
RETIREMENT

Dr. Vilas Daulatrao Aher, Associate Dean, Krantisingh Nana Patil College of Veterinary Science, Shirwal, District Satara, Maharashtra Animal & Fishery Sciences University, Nagpur, Maharashtra had retired from his active service on 31.10.2023.



He had more than 30 years' experience of Teaching, Research and Extension in Veterinary Surgery and Radiology. After starting his career as Veterinary Officer, he worked as Professor and Head of Department of Veterinary Surgery and Radiology, College of Veterinary and Animal Sciences, Parbhani and Udgir for several years and Associate Dean of Post Graduate Institute of Veterinary and Animal Sciences, Akola from May 2019 to July 2020. Thereafter, he worked as Director Extension Education, MAFSU, Nagpur from August 2020 to June 2021 and was holding additional Charge of the post of Dean, Faculty of Fishery Science of MAFSU, Nagpur. He also worked as Director of Instruction and Dean, Faculty of Veterinary Science of MAFSU, Nagpur and was having additional Charge of Dean, Lower Education of University. The Indian Society for Veterinary Surgery wishes Dr. V.D. Aher a very happy, prosperous, safe and healthy retired life.

REMEMBRANCE



It is with profound sadness that the Organizing Committee of the Indian Society for Veterinary Surgery (ISVS) 2023 mourn the passing of a distinguished luminary, Prof. (Dr.) Jibanananda Mohanty, on September 12, 2023. The news of his departure had left us deeply shocked, and words fail to convey the magnitude of our grief. Prof. Mohanty's impact on the field of Veterinary Surgery and Radiology has been significant and enduring. As a former Veterinary Assistant Surgeon in Sakhigopal (1958-59) and later as a junior teacher in the Department of Surgery at the Orissa College of Veterinary Science & Animal Husbandry, he played a pivotal role in shaping the landscape of veterinary education and practice. A graduate of Bihar Veterinary College, Patna, class of 1954, Prof. Mohanty's journey began under the mentorship of Sardar Gurubachan Singh, the former professor of surgery at the same institution. His association with Dr. Singh continued when he was chosen as an instructor for the newly established Orissa College of Veterinary Science in Cuttack. Prof. Mohanty's career took a transformative turn with the creation of the

Odisha University of Agriculture & Technology (OUAT) in 1962. Deputed to the University of Missouri, Columbia, USA, for higher studies under the Technical Cooperation Mission (TCM), he embraced the innovative Land Grant pattern, integrating community development with agriculture. His pursuit of knowledge led him to earn a Master's degree from the University of Missouri, and upon his return, he became an assistant professor, later rising to the position of associate professor in the Department of Surgery. Further honing his skills, Prof. Mohanty pursued specialization in Denmark, obtaining the prestigious FRVAC diploma from the University of Copenhagen. His academic journey reached its pinnacle with a Ph.D. degree in Surgery from OUAT. He served as the Professor of Surgery and Dean of the College, contributing significantly to the growth and development of veterinary education. Beyond academia, Prof. Mohanty took on the responsibility of Director of Animal Husbandry & Veterinary Services, Odisha, a position that marked the zenith of a veterinarian's career and broke the hegemony of officers of the Indian Administrative Service. Personally, his influence extended far beyond professional realms. The bond between him and members of the veterinary community remained unbroken even after retirement. Regular meetings in the context of ICAR gatherings and the Odisha Livestock Development Society (OLDS) reflected his unwavering commitment to the profession. Prof. Mohanty's legacy is one of dedication and passion, symbolized by the surgical knife that continued to glitter in his octogenarian hands, quivering the least, whether operating on critical cases in the field or at Nandankanan Zoological Park. In his passing, the veterinary profession has lost a prodigy, and we, as a community, have become immeasurably poorer. We will forever miss his presence, and our heartfelt prayers go to Lord Jagannath to grant his humble soul eternal peace at HIS lotus feet. May Prof. (Dr.) Jibanananda Mohanty rest in peace!

Please visit the Web site, Facebook page and YouTube Channel of the society for updates

ISVS Website

<http://www.isvs.in/>

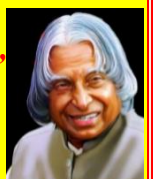
ISVS Facebook Page

<https://www.facebook.com/indiansocietyforveterinarysurgery/live/>

ISVS YouTube Channel

<https://www.youtube.com/channel/UCxED3ZT3u0APFy3fXXvb0-w>

“WHEN YOUR SIGNATURE CHANGES TO AUTOGRAPH, THIS MARKS THE SUCCESS”



Dr. APJ Abdul Kalam

**Technical views expressed are the sole responsibility of author(s)*