

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

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Dear Esteemed members of the Indian Society for Veterinary Surgery,

It is with great pride and enthusiasm that I address you all through this edition of our society's newsletter. Our collective dedication to advancing veterinary surgical sciences continues to contribute significantly to animal health, welfare, and the progress of Veterinary Surgery in India.

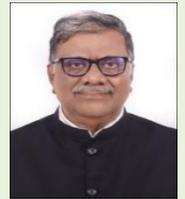
This year, we have witnessed remarkable developments, innovative research breakthroughs, and increasing collaboration among professionals dedicated to excellence in veterinary surgery. I encourage all members to remain committed to continuous learning, sharing knowledge, and fostering a spirit of innovation.

On behalf of the organizing committee, I would like to invite all the members of ISVS to come and participate in 48<sup>th</sup> Annual Congress of ISVS and National symposium at Banaras Hindu University, Varanasi between 8<sup>th</sup> and 10<sup>th</sup> November, 2025 and make it a grand success. The organizing secretary Prof. N.K. Singh and his team members are making elaborate arrangements for your comfortable stay.

Let us also remember the vital role we play in enhancing the quality of life of animals and supporting pet owners, farmers, and the community at large. Together, we can achieve greater milestones and uphold the highest standards of veterinary care.

Thank you for your relentless dedication and active participation. I look forward to another year of fruitful collaboration and progress.

Wishing you all continued success and good health.

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

Dear Members,

The ISVS platform - The Synapses - continues to keep us all informed on the latest advancements in surgery, technical updates from academic and field experts, and much more. In this issue, our Synapses Editor sheds light on the art of teaching anaesthesia - A truly insightful read.

The indigenous hip transplant developed by IVRI is a commendable milestone, and the recent one-day workshop conducted by MHOW sets a worthy example for others to follow.

As always, ISVS thrives on the active participation of each member. We deeply appreciate the unwavering efforts of our senior members and office bearers who tirelessly guide and energize our society.

We eagerly look forward to seeing you all at the 48<sup>th</sup> ISVS Conference, to be held at BHU, Varanasi from November 8–10, 2025. ISVS extends its best wishes to Dr. N.K. Singh, Organizing Secretary, for the resounding success of the upcoming conference. We are confident that the event will be an outstanding achievement.

Wishing everyone a rewarding journey in continually enhancing your surgical skills!

Warm regards,

**Dr. Deepak B. Patil*****From the Editor***

Dear Esteemed Members,

It gives me an immense pleasure to present the July edition of the ISVS newsletter - A platform that continues to reflect the growth and dedication in the field of Veterinary Surgery and Radiology.

In the era of evolving clinical practices, our society remains committed to sharing knowledge, celebrating achievements, and fostering collaboration across institutions and specializations. In this issue, we bring you updates on recent workshops, innovative surgical techniques, member contributions, and publication highlights shaping the future of Veterinary Surgery.

I extend my heartfelt gratitude to all contributors and editorial team members for their unwavering support and commitment to excellence. Your passion and efforts are what make this publication possible.

We encourage members to continue submitting their inputs, so that we can build a rich, diverse archive of Veterinary Surgery and Radiology.

Wishing you all continued success, good health, and academic fulfillment.

Warm regards,

**Dr. Ashok Kumar**

## HOW TO TEACH VETERINARY ANAESTHESIA?

Teaching Veterinary Anesthesia effectively requires a multifaceted approach that combines theoretical knowledge with practical skills and continuous learning. Here's the key strategies:



### 1. Foundational Knowledge

- **Pharmacology:** Begin with a strong understanding of anesthetic drugs, including their mechanisms of action, pharmacokinetics, pharmacodynamics, side effects, and interactions. Cover various drug classes like sedatives, pre-anesthetics, induction agents (injectable and inhalational), neuromuscular blocking agents, and local anesthetics.
- **Physiology:** Emphasize the relevant physiological systems (cardiovascular, respiratory, nervous, renal, hepatic) and how anesthesia affects them in different animal species. Highlight species-specific differences in physiology and anesthetic responses.
- **Equipment:** Provide in-depth knowledge of anesthetic machines, breathing circuits, ventilators, monitoring devices (ECG, pulse oximetry, capnography, blood pressure monitors, temperature probes), and airway management tools (endotracheal tubes, laryngoscopes). Focus on proper use, maintenance, and troubleshooting.
- **Anesthetic Principles:** Teach the concepts of balanced anesthesia, anesthetic depth, pain pathways, and the importance of pre-anesthetic evaluation and patient preparation. Explain the ASA physical status classification and its relevance to anesthetic risk assessment.

### 2. Practical Skills Development:

- **Hands-on Experience:** This is crucial. Provide ample opportunities for students to practice essential skills under supervision. This includes:
  - Physical examinations and pre-anesthetic assessments.
  - Calculating drug dosages accurately.
  - Administering injectable and inhalational anesthetics.
  - Endotracheal intubation in various species.
  - Setting up and operating anesthetic machines and monitoring equipment.
  - Performing local and regional anesthetic techniques (nerve blocks, epidurals) when appropriate and safe.
  - Monitoring patients during anesthesia and recognizing abnormal parameters.

- Managing anesthetic emergencies and performing CPR.
- Providing post-anesthetic care and pain management.

- **Simulation:** Utilize high-fidelity simulators and models to allow students to practice scenarios and emergency management without risk to live animals initially. This can build confidence and competence.
- **Live Animal Labs:** Under strict ethical guidelines and experienced supervision, provide opportunities to anesthetize healthy animals for spay/neuter or other appropriate procedures. Ensure a low student-to-instructor ratio for personalized guidance.
- **Case-Based Learning:** Present real-life anesthetic cases, encouraging students to develop anesthetic plans, anticipate potential problems, and discuss management strategies.
- **Skill Stations:** Set up stations focused on specific skills (e.g., intubation, IV catheter placement, monitoring device operation) where students can practice repeatedly and receive focused feedback.

### 3. Emphasis on Patient Safety and Welfare:

- **Monitoring Protocols:** Instill the importance of continuous and thorough patient monitoring and accurate record-keeping.
- **Risk Assessment:** Teach students how to identify and mitigate anesthetic risks based on patient factors and the planned procedure.
- **Pain Management:** Integrate comprehensive pain management strategies into anesthetic protocols, including pre-emptive analgesia, multimodal approaches, and post-operative pain assessment and treatment.
- **Ethical Considerations:** Discuss the ethical responsibilities associated with anesthetizing animals and the importance of minimizing stress and discomfort.

### 4. Continuous Learning and Professional Development:

- **Literature Review:** Encourage students to read relevant scientific literature and stay updated on the latest anesthetic techniques and guidelines.
- **Continuing Education:** Emphasize the need for ongoing professional development through workshops, conferences, and online resources.
- **Specialty Training:** For those interested in advanced anesthesia, provide information on residency programs and board certification in veterinary anesthesia and analgesia.

## 5. Teaching Methodologies:

- **Lectures and Discussions:** Provide a solid theoretical framework through engaging lectures and interactive discussions.
- **Visual Aids:** Utilize diagrams, videos, and images to illustrate concepts and techniques.
- **Group Work:** Encourage collaboration and peer learning through group projects and case discussions.
- **Feedback:** Provide timely and constructive feedback on students' performance in both theoretical and practical settings.
- **Mentorship:** Pair students with experienced anesthetists for guidance and mentorship.

### Resources to Consider:

- **Textbooks:** Standard veterinary anesthesia textbooks provide comprehensive information.
- **Journals:** *Veterinary Anaesthesia and Analgesia* and other relevant journals offer the latest research and clinical updates.
- **Online Platforms:** Websites like Think Anaesthesia and the North American Veterinary Anesthesia Society (NAVAS) offer educational resources, webinars, and guidelines. The University of Edinburgh offers online postgraduate programs in Veterinary Anaesthesia and Analgesia.
- **Professional Organizations:** Organizations like the Association of Veterinary Anaesthetists (AVA), the American College of Veterinary Anesthesia and Analgesia (ACVAA) and Indian Society for Veterinary Surgery (ISVS) *etc.* offer resources and promote best practices.

By combining a strong theoretical foundation with extensive practical experience and a focus on patient safety, one can effectively teach veterinary anaesthesia and prepare students to be competent and confident practitioners.

### Dr. Ashok Kumar

*Professor & Head (Retd.)*

*Department of Veterinary Surgery and Radiology*

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*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/indiansocietyforveterinarsurgery/live/>

**ISVS YouTube Channel**

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

## MILESTONE

### IVRI Created History: India's First Indigenous Hip Transplant in a Dog

Bareilly: Scientists at the Indian Veterinary Research Institute (IVRI) have achieved a groundbreaking milestone by successfully performing India's first hip transplant in a dog using indigenous technology. This remarkable feat was led by Dr. Rohit Kumar and his team, marking a significant advancement in veterinary surgery. The most notable aspect of this hip transplant is that it has been entirely developed using indigenous technology. Until now, artificial hips for dogs were not available in India. If a dog required a hip transplant, the only option was to import an artificial hip from abroad, which cost a minimum of Rs. 5.0 lakh. For the past three years, IVRI scientists have been conducting a well-planned study to develop a cemented artificial hip specifically designed for Indian dogs. Not only the hip implant but also the surgical instruments required for the procedure have been developed as part of this initiative.

Dr. Rohit Kumar and his team took on this challenge with technical guidance from renowned human orthopedic surgeon Dr. Alok Singh. They collaborated with Bareilly Medicare Firm's Mr. Yogesh Saxena and Gujarat-based Life Ortho Care Company to design and manufacture the artificial hip and surgical tools tailored for dogs. The technical design and size specifications of the hip implant were assigned as thesis problem to Dr. T. Sai Kumar (MVSc) and Dr. Kamlesh Kumar (PhD). This breakthrough was achieved under the AINP-DIMSCA (DIMSKA) project, with contributions from Dr. Rohit Kumar, Dr. Amarpal, Dr. A.C. Saxena and Dr. A.M. Pawde.

Dr. Amarpal emphasized that this is India's first hip replacement surgery for dogs based on a well-planned scientific study, and it has successfully been performed on a dog from Dehradun, giving it a new lease on life. Dr. Rohit Kumar further highlighted that the newly developed hip implant is affordable and will enable dog owners in India to access high-quality treatment at a much lower cost in the future.





**Dr. B. Rameshkumar**, President, Indian Society for Veterinary Surgery was honoured as a major donor for The Rotary trust at District conference at Chennai.



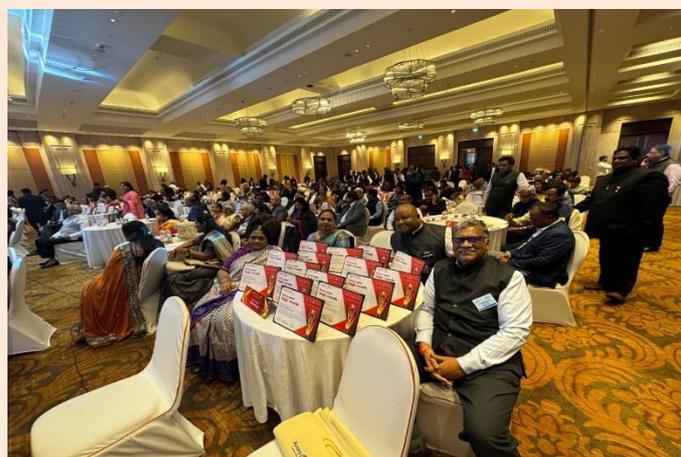
**Dr. S.K. Jhirwal**, Senior Assistant Professor, CVAS, RAJUVAS, Bikaner was bestowed with **state level merit award** by Hon'ble Governor, Rajasthan as a testimony to his work in the field of veterinary ophthalmology on the auspicious occasion of state level Republic Day 2025 celebration at Udaipur amidst gracious presence of Chief minister and Chief Secretary, Government of Rajasthan.



## AWARDS / HONOURS / RECOGNITIONS

**Dr Radheshyam Mani Tripathi**, Deputy Director, Department of Animal Husbandry, Mungali, Chhattisgarh received commendation award on occasion of 76<sup>th</sup> Republic Day celebration at Dr Shyama Prasad Mukharjee Stadium Mungeli by District Administration for his excellent services rendered in veterinary field for implementing departmental schemes, AI, organizing Distt level Animal Exhibition with special reference to his Surgical work. This is continuously for the third times; his work was recognized on Republic Day.

**Dr. B. Rameshkumar**, President, Indian Society for Veterinary Surgery was invited to participate in the Rotary District Awards function at Taj Coromandel hotel, Chennai on 21.06.2025 and the Rotary Club of Madras Mount was judged as Best overall performing club in Gold category and bagged 16 awards in various avenues of service. I am the club trainer for the Rotary year 2024-25.



## UPCOMING EVENTS

**48<sup>th</sup> Annual Congress of Indian Society for Veterinary Surgery and National Conference on “Modern Innovations in Veterinary Surgery, Anaesthesiology and Imaging: Navigating Contemporary Challenges”** will be organized by the Department of Veterinary Surgery and Radiology, Faculty of Veterinary & Animal Sciences at Swatantrata Bhavan, Banaras Hindu University (BHU), Varanasi, Uttar Pradesh from 8<sup>th</sup> to 10<sup>th</sup> November, 2025. For details, please visit the ISVS website (<http://www.isvs.in>) or contact Dr. N.K. Singh, Organizing Secretary of the conference.

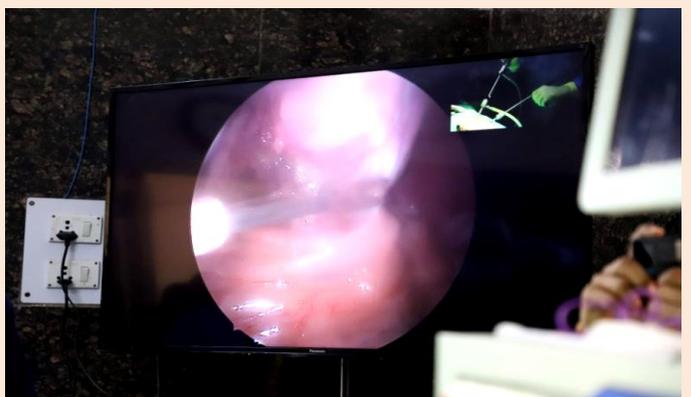
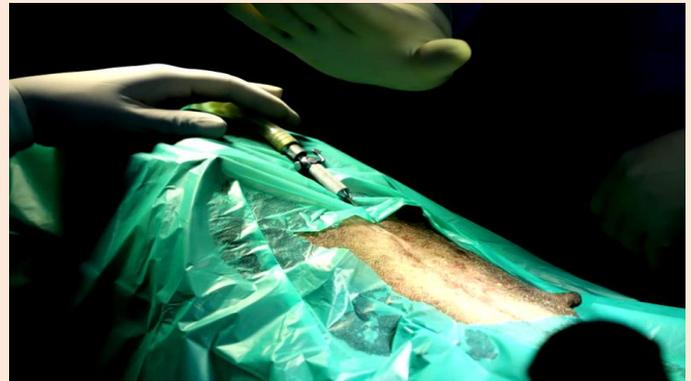


## WORKSHOPS/ TRAININGS/ SYMPOSIA/ CONFERENCE/ SEMINAR

**One-day workshop on Minimally Invasive Surgery, Ophthalmology and Fracture Fixation Techniques in Animals**

Nanaji Deshmukh Veterinary Science University Jabalpur and Indian Society of Veterinary Surgery (ISVS) jointly organized a one-day workshop on **“Recent Trends in Minimally Invasive Surgery, Ophthalmology and Fracture Fixation Techniques in Animals”** at the College of Veterinary and Animal Husbandry, MHOW (M.P.) on January 16, 2025. This workshop was organized under the patronage of the Vice Chancellor, Prof. (Dr) Mandeep Sharma and Dr P S Patel, Director, Department of Animal Husbandry and Dairying, Government of Madhya Pradesh, Bhopal. The inaugural programme began with Saraswati Vandana., Dr BP Shukla, Dean of the College, welcomed everyone and said that in this local chapter of ISVS, we have tried to provide hands-on training to the participants. The chief guest, Dr Umesh Chandra Sharma, President, Indian Veterinary Council, New Delhi, in his address said that today we have touched new dimensions in the field of veterinary science, due to which the expectations from the veterinarians in the society are also high. To fulfil the same, very soon the Indian Veterinary Council, New Delhi is going to implement the Minimum Standard of Veterinary Education and I believe that today, such workshops will definitely increase the knowledge of our veterinarians. Former Vice Chancellor, DUVASU

Mathura, Dr AP Singh said that such workshops are very much needed in the skill development of PG students and field veterinarians. ISVS Secretary Dr. DB Patil and ISVS Local Chapter Convener Dr. VP Chandrapuria also addressed the workshop. Assistant Manager of NABARD, Bhopal Akhilesh Verma ensured the participation of farmers in this workshop. In the program, a compendium prepared for the workshop was also released. After the inaugural program, Dr. GS Khandekar, Professor and Head, Department of Veterinary Surgery and Radiology, Mumbai Veterinary College Mumbai, gave a lecture on laparoscopic surgery and also demonstrated live laparoscopic surgery of ovariohysterectomy of bitch. Dr. DB Patil, Former Director of Research and Dean PGS, Kamdhenu University, Gandhinagar, explained in detail about eye surgery of dogs and other animals. Dr. Hari Prasad Aithal, Principal Scientist and In-charge Training and Education Center, ICAR IVRI, Pune, gave information about the bone fixation technique in case of fractures in animals and also gave a live demonstration of surgery for fixing the fracture of a cow calf. In this program, various companies set up their stalls and the college staff also organized an exhibition for livestock farmers. This workshop was conducted by Dr. Nidhi Shrivastava and Dr. Joyshi Jogi and the vote of thanks was given by Dr. Reshma Jain. Dr. PDS Raghuvanshi, Dr. Atul Singh Parihar, Dr. Manoj Ahirwar etc. played a key role in this program. Media in-charge Dr. Deepak Gangil and Dr. Jitendra Singh Yadav told that about 225 participants took part in this workshop.



**Dr. S. Senthil Kumar**, Professor and Head, Department of Veterinary Surgery and Radiology, Veterinary College and Research Institute (TANUVAS), Salem was invited as a Resource Person to deliver lectures and demonstrations on "Recent Trends in Veterinary Anaesthesia" at the Continuing Veterinary Education (CVE) program organized by the Kerala State Veterinary Council at Peroorkada, Thiruvananthapuram, Kerala on February 28, 2025.



The program was attended by 100 Registered Veterinary Practitioners across Kerala. Lectures on Veterinary Anaesthetic Protocols for field-level surgical interventions and Anaesthesia Monitoring were delivered. Also, a hands-on demonstration of inhalation anaesthesia was done. The Registrar and President of the Kerala State Veterinary Council organized the event, which received overwhelmingly positive feedback from participants. The program enhanced the clinical skills of the attendees in Veterinary Anaesthesia, enabling them to provide superior care to animals.

**Dr. S. Senthil Kumar** was honored with a Certificate of Appreciation by the Society for Prevention of Cruelty to Animals (SPCA), Thanjavur District for his contributions to Animal Welfare on 03.05.2025. The certificate was presented by Dr. J. Radhakrishnan, IAS, Additional Chief Secretary to the Government of Tamil Nadu, alongside Ms. B. Priyanka Pankajam, IAS, District Collector, Thanjavur.

**Dr. S.K. Jhirwal**, Senior Assistant Professor, PGIVER, RAJUVAS (Jbn.), Jaipur, delivered lectures on *“Modern techniques for Clinical Management of Ophthalmic Affections in Animals”* during February 24-25, 2025 in ICAR sponsored 21 days Winter school on organized by Department of Veterinary Surgery and Radiology, CVAS, OUAT, Bhubaneswar (Odisha) and also during VIPM Clinical Case Conference - 2025 organized by Department of Veterinary Medicine, CVAS, Bikaner.



On the occasion of WORLD VETERINARY DAY - 2025 (26.04.2025) celebration programme at PGIVER, Jaipur on the theme of WVD-25 *“Animal Health Takes a Team”* amidst Hon’ble Minister for Animal Husbandry, Sh. Jora Ram Kumawat, Hon’ble Vice Chancellor, RAJUVAS (Jbn.) Jaipur and other Dean Director, Faculty members and students.



**Dr Ravi Raidurg**, Professor and Head, Department of Veterinary Surgery and Radiology, Veterinary College Shivamogga delivered guest lectures on the topics “Preoperative planning in veterinary orthopaedics”, “Decision making in canine humeral fracture repair during plate osteosynthesis”, “Minimally invasive plate osteosynthesis (MIPO) for right midshaft radius ulna fracture in a four year old female pit bull terrier using 10 hole 3.5 mm LCP - A case report” and “Successful open reduction and internal fixation (ORIF) for right radius ulna fracture in a Siberian husky by plate rod technique - A case report” to the participants of *“Advance Veterinary Orthopaedics”* organized by COAT (Canine Orthopaedic Association of Tamil Nadu) from 31.01.2025 to 02.02.2025 at Madurai, Tamil Nadu.



**Dr. Sanjeev S. Pitlawar**, Sectional Head and Associate Professor, Department of Veterinary Surgery & Radiology, participated in Viksit Krishi Sankalp Abhiyan 2025 by MAFSU, College of Veterinary and Animal Sciences, Udgir (Nanded Team) from May 31 to June 5, 2025. The team organized lectures, demonstrations, group discussions, and farm visits across 15 villages, reaching a total of 1,915 farmers (1,565 men and 350 women).



**Dr Ravi Raidurg** attended Traumatology and Fracture repair workshop at Veterinary College, Shirwal, Maharashtra organized in collaboration with Veterinary Orthopaedic Foundation (VOF), India from February 21-22, 2025.

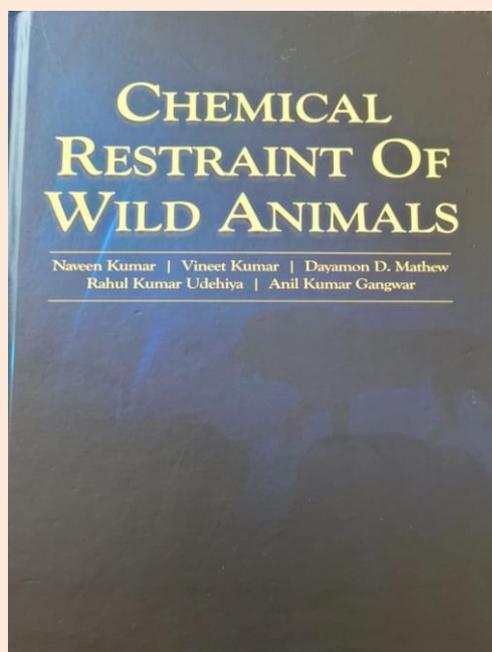
## PUBLICATIONS

A book on *Chemical restraint of Wild Animals* by Naveen Kumar, Vineet Kumar, Dayamon D. Mathew, Rahul Kumar Udehiya and Anil Kumar Gangwar has been published.

This book offers a comprehensive ready reckoner for wildlife veterinarians and forest rangers working for the safe use of chemical restraint in precious wildlife species for their clinical health management, experimentation and translocation. It encompasses practical information with a systemic documentation of species-specific immobilizing drugs, their administration techniques, monitoring and potential complications. It also provides information on a variety of anaesthetic equipment, its usage, darting techniques and precautions while restraining a wide range of wild species including aquatic animals, aves, reptiles, rodents, carnivores, insectivores, ruminants, and large mammals like elephants and rhinoceroses.



**Dr Ravi Raidurg**, attended AO VET Seminar - Management of fractures and common joint diseases in the dog, May 26-27, 2025, Mumbai, India. Dr Jasmeet Singh, Dr Ravi Raidurg along with Prof Kenneth Johnson (Professor Emeritus – AOVET and author of Surgical approaches to the bones and joints of dogs and cats) moderated a session on case studies in veterinary orthopedics.



National and International Journals, also published more than 500 abstracts in different seminars/conferences, twenty review articles, three books, 21 training manuals, seven book chapters, 20 popular article, and more than 40 Invited Lectures/ Lead Papers. He delivered 21 radio talks on the topics of farmers' interest, reported more 25 news items on television and newspapers on important clinical and research findings and developed 12 Instructional videos on important surgical techniques for students and clinicians. He has a total citation (Google scholar) of more than 5200, Google Scholar H-index-36, I<sub>10</sub> index-125.

**Patents and Technologies:** His team developed and patented a novel bilateral external skeletal fixation device for the management of long bone fractures in large animals and commercialized two technologies to the private manufacturers. They have registered 7 designs with patent office and also associated with development of 14 mobile Apps on different aspects of veterinary sciences. He developed the techniques of preemptive analgesia in animals, regional analgesia using alpha-2-agonist, tube cystostomy for the management of urolithiasis, many fracture fixation techniques and devices for large animals and stem cell therapy for small animals.

**Administrative & Managerial Experience:** He served as Head, Division of Surgery for more than six and half years; In-charge, Veterinary Polyclinic for about 10 years; In-charge, Anatomy Section for about 10 years; In-charge, Engineering Section for more than 3 year and successfully completed duties and managed affairs of more than 100 scientific, technical, administrative and supporting staff.

**Infrastructure Developed:** During his tenure as Head/ In-charge of different units, he developed many new infrastructure and facilities for teaching, research, clinical services. The major contribution included creation of a new section of Veterinary Anatomy with all facilities including skeletons of different species of domestic and wild animals for UG teaching. Reorganization and renovation of laboratories of Division of Surgery, establishment of a new unit of dental surgery, creation of a new unit of ophthalmic surgery, creation of endoscopic unit, creation of orthopaedic workshop, renovation, upgradation of ultrasound unit, renovation and upgradation of radiography unit and up-gradation of seminar room of Surgery. He also took credit of designing and creation of new block in Veterinary polyclinic, creation of hamodialysis unit, special OT for urolithiasis surgery, locker room for students, up-gradation of large animal indoors, up-gradation of registration unit, OPD units, Cubicle for small animal

## RETIREMENT

**Dr. Amar Pal** (MVSc, PhD, FISACP, FNAVS, FISVS), Former Principal Scientist, & Head, Division of Surgery, In-charge Referral Veterinary Polyclinic In-charge Veterinary Anatomy & In-charge Engineering Section, Indian Veterinary Research Institute, Izatnagar-243122 (UP) was born on 8<sup>th</sup> February 1963. He graduated in Veterinary Sciences with Gold Medal and Chancellor's Medal in 1986 from GB Pant University Pantnagar. He obtained MVSc in Veterinary Surgery in 1988 and PhD in 1992 from the same university with 5.00/5.00 OGPA. He was selected as Scientist by ASRB and joined Indian Veterinary Research Institute in 1992. He has been a faculty member in discipline of Veterinary Surgery & Radiology at IVRI, Izatnagar for more than 33 years. He has taught more than 200 credits to UG and PG students and organized 45 training courses including 21 days ICAR-sponsored Winter School. He guided 20 PG (7 MVSc and 13 PhD) scholars for thesis research.



**Research Experience and Publications:** During last 33 years, he has been associated with 33 Institutional, Inter-divisional and Inter-institutional research projects as Principal Investigator or Co-investigator, and Principal Investigator of All India Network Project on Diagnostic Imaging and Management of Surgical Conditions in Animals at coordinating unit for more than 10 years and Project Co-ordinator of Advance Research Centre on Canine. These projects were funded by different agencies including USAID, ICAR, Central Zoo Authority, DBT, UPCAR, IVRI etc. He has published more than 435 research/clinical papers in peer reviewed scientific

examination, and Creation of seminar room in Polyclinic. Creation of modular operation theatres for small and large animals, modular clinical diagnosis laboratory, ICU unit, Obstetrical unit, Bone marrow and stem cell therapy unit, and sterilization unit, Intensive care unit with piped oxygen. He was also responsible for repair and maintenance of electrical and refrigeration equipments and civil facilities of the Institute.

**New Equipments added:** New equipments added to the Division of Surgery, Anatomy and Polyclinic included small animal anaesthesia machine, Computerized X-ray machine, mobile x-ray machine, portable x-ray machine, endoscope, Advanced 3-D Ultrasound machine, portable ultrasound machine, Cardiac defibrillator, High end ECG machine, phacoemulsification unit, ophthalmoscope, operating microscope, dental equipments, multiparameters (4), computerized fluid injectors, centrifuge, microscopes with photography facility, automatic haematology analyzer, automatic biochemical analyser, automatic electrolyte analyser, oxygen generator, centralised suction unit, deep freezer, Air conditioners, TV monitors, Desk top computers, refrigerators and office furniture, etc.

**Awards and Honours:** He is Fellow of Indian Society for Veterinary Surgery since 2005, Fellow, National Academy of Veterinary Sciences since 2007, India Society for Advancement of Canine Practice since 2009. He also won many awards including Chancellor's Gold Medal, Vice Chancellor's Gold Medal (rare Distinction of winning both Gold medals), Best teacher Award of IVRI, Dr RPS Tyagi Oration Award by Indian Society for veterinary Surgery, Best Section Awards for Veterinary Polyclinic and Veterinary Anatomy at Institute level, More than 25 awards in academic and scientific pursuits, which included Jawaharlal Nehru Book Trust Award, Ramani Ramchandran Award, Dr S.J. Angelo Award, Dr A.K Bhargava Award, Dr SS Mishra Gold Medal, Vetquinol best Scientist Award, Indian Veterinary Association's Best Scientist Award and several presentation and best paper Awards, More than 30 awards in sport, cultural or literary activities during graduation, post-graduation and service period.

**Editorial responsibilities:** He is Editor-in-Chief of Indian Journal of Veterinary Surgery and edited 30 volumes, 60 issues of Indian Journal of Veterinary Surgery since 1993 as Associate Editor, Editor and Chief Editor. He was also Editor-in-chief of Research Opinions in Animal and Veterinary Sciences for three years; Guest Editor-Special issue of Advances in Animal and Veterinary Sciences; Chief Editor of Indian Journal of Canine Practice; Associate Editor, Veterinary Digest; Edited Souvenir and

compendium of ISVS conference 2005, UP chapter of ISVS 2006, 10 Annual Reports of All India Network Project, many training manuals, etc. He has reviewed more than 75 manuscripts submitted to International and National Journals.

**Clinical experience:** He has been associated with treatment of more than 35000 surgical cases referred to IVRI by the field veterinarian, during animal health camps and provided consultancy to several Government and non-government agencies and wildlife centres/Zoos. As In-charge of Veterinary Polyclinic for approximately 10 years, he successfully managed and supervised all types of clinical activities and issues related to the treatment of more than 20 thousand cases every year.

**Dr. Bhupen Sarma** superannuated from active service on 31<sup>st</sup> March 2025 as *Professor & Head cum Director of Clinics, Veterinary Clinical Complex, Faculty of Veterinary Science, Assam Agricultural University, Khanapara Campus, Guwahati*. He was born in then Kamrup district of Assam in 1960. He graduated in veterinary science from Assam Agricultural University in 1985 in First Class with Distinction. He did MVSc in Veterinary Surgery & Radiology in 1987 in First Class with Distinction from the same university. He joined as Teaching Associate in the parent department in 1987 and as Assistant Professor in July 1988. He enrolled in Ph.D. as CSIR Fellow at GB Pant University of Agriculture & Technology, Pantnagar in 1993 and awarded Ph.D. in first class with highest OGPA of the university in 1996. He was also recipient of ICAR Senior Research Fellowship. He was promoted as Associate Professor in 1997 and became Professor of Veterinary Surgery in 2006. He joined as Professor & Head cum Director of Veterinary Clinical Complex in March, 2021. Dr. Sarma is a teacher of repute and engaged in teaching UG, PG and PhD students. He guided two PhD and twelve MVSc students as major advisor and publishes 88 research papers in national and international journals besides 63 popular scientific articles in vernacular language. A book on vernacular language entitled "*Banya Prani Sikitsar Jiya Kahani*" gained much popularity in Assam. He completed a DBT sponsored collaborative research project as PI with IIT, Guwahati. Dr. Sarma is a reputed wildlife expert and known for his work in the country as well as in abroad. Standardization of dose of medetomidine in Asian Elephants was a pioneer work, which is incorporated in the Lumb & Jones Veterinary Anaesthesia and also in Biology, Medicine and Surgery



of Elephants by Fowler and Mikota from USA. He standardized atipamezole as reversal to medetomidine in Asian elephant and presented in the International Elephant Research Symposium held in Texas, USA in December 2004. He presented a paper on 'Critical care of elephant calf' in international Elephant Research Symposium in Copenhagen, Denmark in 2006. He is the pioneer of Rhino translocation from CWRC, Kaziranga to Manas National Park in 2006 in association with Wildlife Trust of India, Forest Department of Assam under supervision of IFAW expert Yan Robinson from Boston, USA. His work on standardization of dose of medetomidine for One Horn Asian Rhino was presented in the international Rhino Research Symposium at Rotterdam, Netherland in November 2011. Romifidine another alpha agonist for elephant paediatrics was established and presented by him in the Netherland and highly appreciated by the international forum. Dr. Sarma presented a paper in the International Elephant conservation and Research Symposium at Chiang Mai University, Thailand on 14<sup>th</sup>-17<sup>th</sup> November 2023 and got the certificate of Outstanding Presentation Award with great appreciation from the participants of 30 countries. He bagged Gold Medal in ISVS symposium in 2019 for Best Paper presentation in Wild and Zoo Animal Surgery session. Awarded Fellow of Indian Society for Veterinary Surgery (FISVS) in 2023. He was invited as Special Guest by Sylhet Agricultural University, Bangladesh in 9<sup>th</sup> May 2024 in DVM Orientation Programme and delivered Speech. He was honoured by Veterinary Faculty of Rajshahi University, Bangladesh, on 14<sup>th</sup> May 2024, where he delivered a talk to the teachers and students. He delivered talk on wildlife in IIT, Guwahati, Wildlife Institute of India, Dehradun; Wildlife Trust of India; National Veterinary Foundation, New Delhi; Forest department of Assam and Meghalaya and some of the Veterinary Colleges of India. He served as referee of some of the international Journals. Beyond these, he delivered several TV Talk on Wildlife in different Channels of Assam and also Radio Talks in All India Radio, Guwahati.

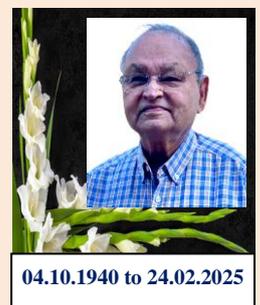
Dr Sarma is a well-known wildlife surgeon performing surgery in Assam and its neighboring states for different species of wild lives i.e. Elephant, Rhino, Tiger, Bear, Deer, Pangolin, River Turtle, Slow Loris, River otter and many other species. Moreover, he is advising many of the wildlife surgeons of the country for efficient and safe anaesthetic management. He conducted radio collaring, radio telemetry and micro chipping in different wild animals. Dr. Sarma is also a reputed canine surgeon and successfully operated the dogs of Air Marshal C. Hari Kumar, Eastern command; Lt. Gen. M.C. Vij, GOC 4

Core; Bharat Ratna Dr. Bhupen Hazarika, Hon'ble Chief Justice of Meghalaya High Court S. Baidyanathan and Hon'ble CM of Assam, Himanta Biswa Sarma.

Dr Sarma was member of Academic Council of Assam Agricultural University and also a member of University Animal Ethics Committee. He Served as General Secretary of the Teachers Association in 2000. Dr. Sarma is a life member of Indian Society for Veterinary Surgery; Blue Cross Society of Assam; Small Animal Practitioners' of Assam. He served as hostel warden for 10 years in different boys hostels of CVSc, Khanapara. He discharged his duties as Judge of Dog show organized by Peoples for Animals, SAPA and Nova Bharat Samaj. He was organizer of the Dog Show in the International Agri-Horti show of Assam. His dynamic leadership transformed the Veterinary Clinical Complex of College of Veterinary Science, AAU into a temple of learning and educating internee students of their own, besides CAU-Mizoram, Nagaland and Tripura Veterinary College and also a month long internship for the students of Sylhet Agricultural University, and Sher-e-Bangla Agricultural University, Dhaka, Bangladesh in addition to Nepal Veterinary College, Chitawan, Nepal. The Vice Chancellor of Assam Agricultural University offered him Special Appreciation Certificate consecutively for two years for depositing highest revenue in 2022-23 (1 Crore 16 Lakh) and 2023-24 (1 Crore 36 lakh) amongst different Faculties and departments of the university. Lastly he earned revenue Rs. 1.50 crore in 2024-25. The Indian Society for Veterinary Surgery wishes to Dr. Bhupen Sarma a very happy, prosperous, safe and healthy retired life.

## REMEMBRANCE

**Dr. Dhian Chand Dhablania,** Former Director Clinics, College Veterinary Sciences, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana left for heavenly abode on February 24, 2025. Dr Dhablania was born on October 04, 1940, at Patiala



and got his early education in his hometown. He graduated from the College of Veterinary Sciences, Hisar in the year 1962 and completed MVSc in 1966. He joined as Assistant Professor Surgery immediately after completing the MVSc degree. He did his PhD as an in-service candidate in 1975 from HAU Hisar under Dr RPS Tyagi. He Joined as Associate Professor Clinics, College Veterinary Sciences, Ludhiana on December 12, 1975, elevated to the position of Professor on January 01, 1986 and became Director Clinics October 24, 1986 and

served in this position till 06.03.1997. He retired as Professor of Clinics on October 31, 2000. Dr Dhablania was an excellent teacher and clinician and has immensely contributed in Veterinary Surgery as a research worker. After his retirement he settled in Panchkula (Haryana) and kept himself busy in his Pet Clinics. He is survived by his wife, three daughters and a son.

Indian Society for Veterinary Surgery extends heartfelt condolences to the bereaved family and pray to Almighty that the departed soul may rest in peace.

**Dr Prem Singh** was born on 10.05.1957 in a farmer family of village Mittathal of Distt, Bhiwani (Haryana). After completing his initial education from village school, he studied in Rohtak and completed his B.Sc. Then he joined the College of Veterinary Sciences Hisar to complete his B.V.Sc. & A.H. in 1981, followed by M.V.Sc. in 1983. He joined the same college as Assistant Professor on 02.09.1985. He completed his Ph.D. in 1995 and became Associate Professor on 01.07.1995 and subsequently Professor on 27.07.2006. He also worked as post-doctoral fellow for six months in United Kingdom in 2005-06.

He worked as HOD, Veterinary Surgery and Radiology and Director TVCC at Hisar. He was superannuated on 31.05.2017 but kept his journey in academics continuing as Faculty of Veterinary Surgery and Radiology at IIVER Bahuakabarpur (Rohtak). During his illustrious career, he had 164 publications in different journals, books, compendiums, magazines etc. As mentor, he guided eight MVSc and one PhD student as major advisor. He was a key member in organizing around twenty trainings in the field of Veterinary Surgery and Radiology. With a vast experience of around 40 years, he developed many self-designed tools and economical alternatives to costly treatment especially in the field of large animal orthopaedics like coaptation splint for repair of tibia, PVC mould splint for radius-ulna, metacarpus and metatarsus. He was ready reckoner for students, supportive for colleagues and an always available doctor for farmers. He was a well-known large animal expert veterinarian through the length and breadth of Haryana. From remote villages to power corridors, from officers to students of the university, he was favourite of everyone. Out of love and respect farmers used to call him 'Dr Prem'. He was bestowed with many awards to recognize his academic achievements (ICAR JRF and SRF fellowship, Senior ICAR fellowship, CSIR fellowship, and Post-doctoral Common wealth Fellowship U.K.); for teaching abilities (Best Teacher Award in 2003 and



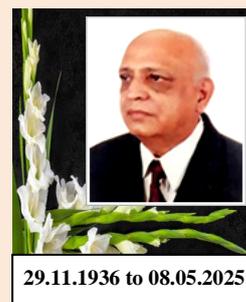
10.05.1957 to 06.03.2025

2016), contributions in the field of veterinary surgery (Fellow ISVS, Anil Arun Chandana Award-2012, Best Paper Award-2012, Best clinical article award-2013, Best paper Award-2015) and for outstanding services to farmers (Outstanding Worker honorarium and Best Clinician award). He had received appreciation as letters from Commandant EBS, Dean COVS, Registrar, Vice-Chancellor and progressive farmers of the state for rendering round the clock services to the veterinary clinic; Certificate of honour by HAUTA). The entire veterinary fraternity lost an immortal hero of the Veterinary Surgery and Radiology. He was and will always be an inspiration for veterinary fraternity.

Indian Society for Veterinary Surgery extends heartfelt condolences to the bereaved family and pray to Almighty that the departed soul may rest in peace.

**Dr. Oruganti Ramakrishna**

(ORK): A Legacy in Veterinary Surgery affectionately known as ORK, was a distinguished veterinary surgeon and academician, born on November 29, 1936. His extensive education spanned institutions across India and abroad, earning degrees including BVSc, MVSc, Ph.D., FRVAC (Denmark), and an honorary MD (Medicina Alternativa) from Colombo University.



29.11.1936 to 08.05.2025

Throughout his illustrious career, Dr. ORK served as Professor & Head, Surgery & Radiology and later as Principal of the College of Veterinary Science, Tirupati, mentoring 38 MVSc and 8 PhD students. His pioneering work in cardiothoracic surgery, anaesthesia, soft tissue surgery, and embryo transfer technology in cattle shaped veterinary research in India. He successfully led four ICAR research projects and contributed significantly to Indo-American embryo transfer project.

A founding and active member of the Indian Society for Veterinary Surgery, As Organizing Secretary conducted two ISVS National Conferences in Tirupati. He also held the President's position and remained an integral part of the ISVS community, mentoring young professionals, inspiring researchers, and guiding office bearers even after his retirement. His enduring influence was honored with the Dr. O. Ramakrishna Oration Award. His presence at ISVS symposia was electrifying, radiating warmth and dynamism.

Dr. ORK was celebrated for his commitment, integrity, and infectious enthusiasm, leaving an indelible mark on veterinary science. The ISVS fraternity deeply mourns his loss and expresses heartfelt condolences to his family.

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