

## **TEC, IVRI Pune organised a hands-on training on ‘*Small Animal Fracture Fixation Techniques*’ from 20<sup>th</sup> to 24<sup>th</sup> February 2023 for veterinary officers and practitioners**

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The Training and Education Centre, IVRI, Pune has organised a five-day hands-on training programme on ‘*Small Animal Fracture Fixation Techniques*’ from 20<sup>th</sup> to 24<sup>th</sup> February 2023, in collaboration with the District Veterinary Polyclinic, Department of Animal Husbandry, Aundh, Pune (Maharashtra). Seventeen veterinary officers/practitioners from different states such as Karnataka (8), Maharashtra (3), Himachal Pradesh (2), Gujarat (1), Rajasthan (1), Uttar Pradesh (1) and West Bengal (1) participated in the paid training programme.

The Chief Guest of the inaugural function of the training programme held on 20<sup>th</sup> February 2023 was Dr VD Aher, Associate Dean, College of Veterinary Sciences, Shirwal, Satara. The Guests of Honour were Dr Dhananjay D Parkale (Ex-Additional Commissioner of Animal Husbandry, Maharashtra) and Dr Shitalkumar Mukane, Additional Commissioner of Animal Husbandry, Maharashtra).

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 VD Aher, Chief Guest of the function appreciated the efforts of TEC Pune in organising the need based training programmes for the veterinarians and offered full support from the College in organising such programmes. He appreciated the participants who came from different parts of the country and urged them to make full use of the training in learning latest skills in treating fracture cases. During the occasion, Dr DD Parkale, outgoing Additional Commissioner of Animal Husbandry, was felicitated on behalf of TEC Pune for his unparalleled support and cooperation in organising different activities of the Centre, especially in livelihood improvement of SC and ST farmers through TSP and SCSP programmes, ever since the establishment of TEC. Dr Parkale appreciated the efforts of TEC Pune and noted that due the trainings organised by the Centre on fracture fixation, a large number of field veterinarians across the region have started treating the fracture cases, even in large animals. Dr Mukane pledged continued support to IVRI in organising different programmes. Dr Amol Bhalerao, Scientist, TEC Pune (course co-coordinator) compered the event. Dr SK Das, Principal Scientist and Dr Sanghratna V Bahire, Scientist (course co-coordinator), TEC Pune were also present on the occasion.

The training included lectures, demonstrations and hands-on training on different external, internal and external skeletal fixation techniques such as application of splint-bandage, fibreglass cast, modified Thomas splint, different techniques of 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 basic structure and development of bone, bone growth regulation, fracture types, healing and factors affecting healing, orthopaedic instruments, bone grafting and bone tissue engineering, complications of fracture fixation, arthritis and joint luxations, 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 Dr RV Suryawanshi, Assistant Professor, College of Veterinary Sciences, Udgir; Dr Aswathy Gopinathan (Senior Scientist), Dr Kiranjeet Singh (Principal Scientist), and Dr Rekha Pathak (Principal Scientist), Division of Surgery, IVRI, Izatnagar; Dr RB Kushwaha, Associate Professor, Faculty of Vet. Sciences, Jammu; Dr A Velavan, Assistant Professor, Madras Veterinary College; and Dr Surbhi K Tyagi, Assistant Professor from COVAS, SVPUAT-Meerut. Dr SM Shete, LDO (Maharashtra) one of the earlier batch trainees, spoke on the importance of the hands-on training and narrated his field experience. All the participants were very enthusiastic, took keen interest and actively participated in the hands-on training.

On the eve of training, an Orthopaedic Camp was organised at District Veterinary Polyclinic on 17<sup>th</sup> February 2023, which was inaugurated by Dr Shitalkumar Mukane, Additional Commissioner of AH. During the camp, 12 fracture cases were examined and were used for demonstrations to the participants of the training.

The valedictory function of the training was held on 24<sup>th</sup> February 2023. Dr GS Khandekar, Professor, Mumbai Veterinary College, was the Chief Guest and Dr Sameer Borkar, Principal, State Level Training Centre, Department of Animal Husbandry, Pune, was the Guest of Honour. Dr Aithal welcomed the guests and briefed about the conduction of the training and hoped that the trainees gained confidence from the learning experience during the training. Dr Chief Guest distributed certificates to the participants and spoke on the importance of training on fracture fixation, and hoped that the trainees have improved their orthopaedic skill and knowledge. Dr Borkar appreciated the efforts of TEC in regularly organising orthopaedic training for practicing vets. The trainees expressed their confidence to treat fracture cases and 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. The *International Millets Year* was observed by serving at least one dish made of millet in the high-tea and working lunch served to the participants.

Some of the participants treated the fracture cases by IM pinning and plating soon after returning back after the training and shared their experience along with the postoperative radiographs.



*Welcoming of Guest of Honour Dr Shitalkumar Mukane, Additional Commissioner of AH*



*Address by Chief Guest Dr VD Aher, Associate Dean, COVS, Shirwal*



*Felicitation of Dr Dhananjay D Parkale, outgoing Additional Commissioner of Animal Husbandry, Maharashtra State*



*Group photograph of trainees with the guests and faculty after the inaugural function*



*Demonstration of a fracture fixation technique to the participants of the training*



*Trainees in surgical attire ready for hands-on training*



*Address by Dr GS Khandekar, during the valedictory function*



*Distribution of certificate to a participant by the Chief Guest*



*Inauguration of Orthopaedic Camp by Additional Commissioner of AH, Dr Shitalkumar Mukane*



*Serving of millet dish during high-tea and working lunch*



*Group photograph after the valedictory function*



*Cases of humerus and femur fractures in dogs treated for the first time by the trainees soon after completion of training.*