



College of Veterinary Science and Animal Husbandry Kamdhenu University, Bhuj (Kutch)



DEPARTMENT OF VETERINARY SURGERY AND RADIOLOGY

About department

The department of Veterinary Surgery & Radiology was established in the College of Veterinary Science & Animal Husbandry with objectives of imparting quality teaching to undergraduate and postgraduate students, providing excellent research facilities under experienced professors and extending clinical services to farming community. The department is also actively engaged in offering clinical services through veterinary clinical complex. The department also organize the treatment camps in rural area providing referral surgical service to door step of farmers.

Faculty details

	Name:	Dr. Jalendrabhai K. Mahla
	Designation:	Associate Professor & Head (Additional responsibility)
	Qualification:	Ph.D.
	Experience:	14.5 Years
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	ORCID Scopus ID G Scholar ID	Dr.J.K.Mahla, 0009-0007-0728-026X J.K. Mahla
	Name:	Dr. Hiren M. Barot
	Designation:	Assistant Professor
	Qualification:	Ph.D.
	Experience:	1.10 Years
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UG Academics

UG Course

Sr. No.	Course offered in Fourth Professional Year	Credits Hours
1	Veterinary Surgery and Radiology	2+1

UG Syllabus – Forth Professional year (as per VCI MSVE, 2016) Theory

Unit	Contents
Unit 1	VETERINARY GENERAL SURGERY Introduction: Historical perspective, Definitions, classification of surgery, tenets of Halsted. Pre-operative, intra operative and post-operative considerations: History taking, physical examination, clinico-pathological testing, intra operative and postoperative care. Sterilization and disinfection: Definitions, surgical sterilization, various methods of sterilization (Heat, chemical and radiations etc.), disinfections. Sutures: Definitions, suturing, factors influencing suturing, characteristics of an ideal suture material, types of suture material-absorbable and non-absorbable, surgical knots, various suture patterns-apposition, eversion, inversion and special. Treatment of acute and chronic inflammation: Use of anti- inflammatory drugs and proteolytic enzymes. Haemostasis (physical and chemical methods, systemic haemostats, surgical diathermy) Basic surgical affections:

	Definitions, classification, diagnosis and treatment of abscess, tumour, cyst, hernia, haematoma, necrosis, gangrene, burn and scald, frost bite and surgical affections of muscles, artery and vein, sinus and fistula. Wounds: Definition, classification, examination and diagnosis, general principles for treatment of aseptic, contaminated and septic wounds, healing and factors affecting wound healing, complications of wounds and their remedies. Surgical infection; their prevention and management: Classification of infection, Introduction to biomaterials and stem cell therapy in wound management Management of surgical shock. Principles of fluid therapy in surgical patients.
Unit 2	VETERINARY ANAESTHESIOLOGY Introduction: Development of anaesthesiology, Terminology, classification and indications. General considerations of anaesthesia: Factors affecting anaesthesia and selection of anaesthetic technique, factors modifying uptake, distribution and elimination, patient evaluation, categories of patients according to physical status, selection of anaesthetic agent and patient preparation. Pain and its management in animals Local and regional anaesthesia: Definitions, local anaesthetics, mechanism of action Premedication, properties and use of different preanaesthetics: Uses of premedication, Anticholinergic, sedatives and tranquilizers (Phenothiazine derivatives, Benzodiazepines, Butyrophenones, Narcotic analgesics, Alpha-2 agonists, dosage chart of all the drugs. General anaesthesia: Definitions, methods of induction of anaesthesia, Intravenous anaesthetics (Total intravenous anaesthesia), monitoring of anaesthesia. Inhalation anaesthesia: Advantages of inhalant anaesthetics, types of inhalant anaesthetics their properties and effect on various systems, methods of administration of inhalant anaesthesia. Dissociative anaesthesia: Definition, drugs, clinical application, properties and effect on various body systems. Avian, wild, zoo, exotics and lab animal anaesthesia and capture myopathy Anaesthetic emergencies and management, Toxicity, antidote and reversal agents.
Unit 3	VETERINARY DIAGNOSTIC IMAGING TECHNIQUES Introduction to Radiology-General terminology of radiology, Physical properties of X-Rays, Scope and uses of Radiology, Directional terms for veterinary radiology. Production of X-rays and factors influencing production of X rays. Radiation hazards and safety measures- Scattered radiation, Biological effects of radiation, Direct and indirect effects, Early and late effects, Radiation sensitivity of different body cells, Radiation protection, General principles of radiation safety, Radiation monitoring devices, Requirement of an ideal radiographic section. The statutory requirements of radiology set-up as per Atomic Energy Regulatory Board of India (AERB). Production of quality diagnostic radiograph. Recording of image- Manual and digital processing of X-ray films, storage and retrieval system. Radiographic Quality and faults- Radiographic detail, density and contrast and factors affecting them, Radiographic faults, their possible causes and prevention. Contrast radiography- Definition, indications, contraindications and types of contrast radiography, Different contrast materials and their use, Techniques of some selected contrast radiography in animals (Barium swallow, Retrograde urography etc) Diagnostic ultrasonography- Principles, indications, techniques and artifacts of ultrasonography. Advanced diagnostic imaging tools- The brief introduction to the use and limits of some advanced imaging techniques, Interventional radiology - CAT scanning, MRI, etc.
Unit 4	REGIONAL SURGERY-I Head and Neck: Affections of lips, cleft palate, tongue, cheek, and their treatment: General anatomical considerations, avulsion of lip, cleft lip ranula, neoplasm and traumatic injuries. Affections of teeth and jaws and their treatment: General anatomical considerations, Developmental abnormalities, dental tartar, periodontal disease, overgrown molars, fractures and luxations of jaw. Affections of nose, face, ear, head and horn and their treatment: General anatomical considerations. Brachycephalic syndrome, Stenotic nostrils, nasal polyps, empyema of sinuses, fracture and avulsion of horn, horn cancer, aural haematoma, otitis. Affections of eye and their treatment: General anatomical considerations and examination of eye. Affections of eyelids and nictitating membrane and their treatment: entropion, ectropion, chalazion, sty, Cherry eye and traumatic injuries. Affections of

	lacrimal apparatus, eyeball and orbit and their treatment: occlusion of nasolacrimal duct, traumatic proptosis, panophthalmia, orbital neoplasms, glaucoma, eye worms. Affections of cornea, iris and lens and their treatment: corneal ulcers, corneal opacity, Kerato Conjunctivitis Sicca (KCS), prolapse of iris, corneal dermoid, corneal lacerations and perforations, cataract. Affections of guttural pouch, oesophagus and their treatment: General anatomical considerations. Empyema, tympanitis and Mycosis of guttural pouch, oesophageal diverticulum, megaesophagus, achalasia and choke. Affections of glands of head and neck and their treatment: General anatomical considerations. Salivary mucocele, sialoliths, salivary fistula Affections of neck and their treatment: General anatomical considerations. Yoke gall, yoke abscess, fistulous withers, poll evil, torticollis. Affections of larynx and Trachea: Tracheal collapse, stenosis, roaring in horses, dorsal entrapment of soft palate in horses and camels, emergency tracheotomy. Management of ocular emergencies. Tracheotomy
Unit 5	REGIONAL SURGERY-II Thorax and Abdomen: Thoracic affections: Surgical approaches, perforated wounds, pyothorax, pneumothorax, pneumocele, Diaphragmatic hernia and traumatic pericarditis in cattle. Abdominal affections: Surgical approach to the abdomen in different animal species. Common surgical affections of the stomach in dogs and their management: dilation and torsion of stomach, gastric ulcerations, foreign bodies in the stomach, pyloric stenosis. etc Surgical affections of the stomach in large animal and their management: Ruminal impaction, traumatic reticulitis, omasal and abomasal impaction and abomasal displacement. Surgical affections of small intestines and their management: Intestinal obstruction, intussusception and strangulation (volvulus). Techniques of intestinal anastomosis. Surgical affections of large intestine and their management: Caecal dilatation and torsion, rectal prolapse, rectal and perineal tear, recto-vaginal fistula. Surgical affections of anus and perineal region and their management: Atresia-ani, anal stenosis, anal sac impaction. Other surgical affections of abdomen and their management: Perforating wounds and fistulae of abdomen, umbilical hernia, ventral abdominal hernia, inguinal and scrotal hernia, perineal hernia. Urinary system: Urolithiasis and its management. Urolithiasis in small and large animals. Patent urachus, ectopic ureter. Surgical management of equine colic. Genital system: Surgical affections of male genital system and their management, prostatic enlargement or hyperplasia or neoplasm, Phimosis, paraphimosis, preputial prolapse, penile amputation. Castration, vasectomy, scrotal ablation in large and small animals. Surgical affections of female genital system and their management: Canine transmissible venereal tumour. Ovariohysterectomy and caesarean section. Applications of rigid and flexible endoscopes in the management of surgical disorders. Integumentary system: Surgical affections of udder, teat and canine mammary neoplasms. Surgical affections of tail and tail docking Wildor zoo animal surgery (only awareness)
Unit 6	ORTHOPEDECS AND LAMENESS Body conformation of the horse in relation to lameness (trunk, fore limb and hind limb). Lameness: Its definition classification and diagnosis. General methods of therapy for lameness. Body and limb conformation in relation to lameness in equine. Equine lameness: Shoulder slip (sweeny), bicipital bursitis, omarthritis, capped elbow, radial paralysis, carpalitis. bent knee, and knock- knee. Hygroma of knee, open knee, blemished knee. Fracture of carpal bone, fracture of accessory carpal, contraction of digital flexors. Splints, sore shin, wind puffs, sesamoiditis Osselets, ringbone, quittor, side bone, Navicular disease, pyramidal disease. Laminitis, sand crack, seedy toe, fractures of third phalanx, pedal osteitis, and sole penetration. Canker, thrush and corn, Monday morning disease, cording up, myositis of psoas, Mac thrombosis, Crural paralysis, subluxation of sacroiliac joint rupture of round ligament trochanteric bursitis. Upward fixation of patella, stringhalt, gonitis, chondromalacia of patella, rupture of tendoachilles, rupture of peroneus tertius, fibrotic myopathy and ossifying myopathy. Thoroughpin, bog spavin, spavin, curb, capped hock. Canine lameness: Intervertebral disc diseases, elbow and hip dysplasia, rupture of cruciate ligament, elbow hygroma etc.; their management, Onychectomy. Bovine lameness: Contusion of sole, ulceration of sole, septic laminitis, avulsion of hoof and subluxation of patella, interdigital

	fibroma, cyst, sand crack, and hoof deformities. Fracture: Definitions, classification, fracture healing and complications. Fracture: The preliminary assessment and management of fractures. Techniques of external immobilization of fractures. Techniques of internal immobilization of fractures. Management of fracture complications Luxations: Definition, signs, diagnosis. Management of common joint luxations in animals. Spinal trauma, diagnosis and its management Rehabilitation and physiotherapy of orthopaedic patients
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Practical

Unit	Contents
Unit 1	VETERINARY GENERAL SURGERY Introduction to layout of operation theatre and surgical unit. Introduction of common surgical equipment and instruments. Suture materials, surgical knots and suture patterns. General examination of surgical patients. Preparation of surgical patients. Other operation theatre routines like sterilization, preparation of theatre, Surgeon and surgical pack. Bandaging and basic wound management Demonstration (or Audio visual aids) of surgery, control of haemorrhage and suturing.
Unit 2	VETERINARY ANAESTHESIOLOGY Familiarization with anaesthetic apparatus, monitoring equipment and accessories. Methods of local infiltration analgesia (Linear ring block, inverted L block etc.) Regional nerve block demonstration and practice (Auriculopalpebral block, Peterson block or 4 point retrobulbar nerve block, Paravertebral, epidural etc.) Intravenous regional anaesthesia in cattle. Administration of general anaesthesia in small and large animals. (Demonstration and practice). Administration of inhalant anaesthesia (Demonstration). Monitoring of general anaesthesia. Management of anaesthetic emergencies, use of artificial respirator and analeptics. Visit to a wild animal facility or audio-visual aids or both.
Unit 3	VETERINARY DIAGNOSTIC IMAGING TECHNIQUES Familiarization with the operation of the x-ray unit. Formulation of X-ray exposure technique charts, Adoption of safety measures and film processing. Positioning and radiography of different parts of the body in small and large animals Handling, viewing and interpretation of radiograph. Familiarization with the film contrast, density and details, common radiographic artifacts. Radiographic pathology of the head, neck and thorax of large and small animals. Radiographic pathology of abdomen of large and small animals. Radiographic pathology of the bones and joints of large and small animals. Demonstration of contrast radiographic techniques in animals. Demonstration of ultrasonography in animals. Fluoroscopy or Image intensifier (familiarization).
Unit 4	REGIONAL SURGERY-I Demonstration or Audio visual aids: Amputation of horn and disbudding. Tooth rasping, dental scaling. Examination of ear (otoscopy). Examination of eye (General examination, Ophthalmoscopy, tonometry, fluorescein dye test, Schermer tear test, test for blindness). Operation for aural haematoma. Protection and bandage of eyes, tarsorrhaphy, third eyelid flap, flushing of nasolacrimal duct.
Unit 5	REGIONAL SURGERY-II Demonstration or Audio visual aids-Castration in different species in clinical cases and under animal birth control programme in canine. Ovariohysterectomy in dogs and cats. Rumenotomy, Gastrotomy in dogs, Urethrotomy and urethrostomy. Cystotomy and cystorrhaphy. Enterotomy or Enterectomy. Management of teat and udder affections. Amputation of tail in different animals in clinical cases. Circumcision operation for prepuce and rectal prolapse. Thoracocentesis and abdominocentesis.

Unit 6	ORTHOPEDICS AND LAMENESS Demonstration or Audio visual aids-Familiarization with various orthopaedic instruments and implants. Basic orthopaedic and neurological examination in small and large animals. Nerve blocks in equine. Application of basic physiotherapy techniques in animals. Basic limb stabilization techniques and splinting techniques. Application of cast in small and large animals. Internal fixation techniques in animals. Medial patellar desmotomy in bovines. Examination of animals for soundness and preparation of soundness certificate.
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Syllabus Distribution for Annual Board Examination:

Examination	Papers	Course Coverage	Maximum Marks	Weightage
Internal Assessment	First	30 %	40	10
	Second	60 %	40	10
	Third	90%	40	10
Annual Board	THEORY			
	Paper-I	Unit 1,2,3 and 4	100	20
	Paper-II	Unit 5 and 6	100	20
	PRACTICAL			
	Paper-I	Unit 1,2,3 and 4	60	20
	Paper - II	Unit 5 and 6	60	20

PG Academics

PG Courses offered

Sr. No.	Code	Course Title	Credits Hours
1.	VSR 501	Clinical Practice-I*	0+3
2.	VSR 502	Clinical Practice-II*	0+3
3.	VSR 503	Principles of Surgery*	2+1
4.	VSR 504	Anaesthesia And Analgesia*	2+1
5.	VSR 505	Diagnostic Imaging Techniques*	2+1
6.	VSR 506	Soft Tissue Surgery	2+1
7.	VSR 507	Orthopaedic Surgery*	2+1
8.	VSR 508	Anaesthesia of Zoo, Wild, Exotic and Laboratory Animals	1+1
9.	VSR 509	Urogenital Surgery	1+1
10.	VSR 510	Ophthalmology	1+1
11.	VSR 511	Dentistry and Oral Surgery	1+1
12.	VSR 512	Camel Surgery	1+1
13.	VSR 513	Elephant Surgery	1+1
14.	VSR 587	Clinical Case Conference	0+1
15.	VSR 588	Special Problem in Radiology	0+2
16.	VSR 589	Special Problem in Anaesthesia	0+2
17.	VSR 590	Special Problem in Surgery	0+2
18.	VSR 591	Masters Seminar	1+0
19.	VSR 599	Masters Research	0+30

*Core Courses

Ph. D. Courses offered

Sr. No.	Code	Courses Title	Credits Hours
1.	VSR 601	Clinical Practice-I*	0+2
2.	VSR 602	Clinical Practice-II*	0+2
3.	VSR 603	Clinical Practice-III*	0+2
4.	VSR 604	Cardiovascular Surgery	2+1
5.	VSR 605	Advances in Anaesthesiology	2+1
6.	VSR 606	Advances in Radiology	2+1
7.	VSR 607	Advances in Diagnostic Imaging Techniques	2+1
8.	VSR 608	Advances in Orthopaedics	2+1
9.	VSR 609	Neurosurgery	2+1
10.	VSR 610	Reconstructive and Regenerative Surgery	1+1
11.	VSR 611	Advances in Soft Tissue Surgery	2+1
12.	VSR 612	Advances in Ophthalmology	1+1
13.	VSR 613	Surgical Oncology	1+1
14.	VSR 687	Clinical Case Conference*	0+1
15.	VSR 688	Special Problem in Diagnostic Imaging	0+2
16.	VSR 689	Special Problem in Anaesthesia	0+2
17.	VSR 690	Special Problem in Surgery	0+2
18.	VSR 691	Doctoral Seminar-I	2+0
19.	VSR 692	Doctoral Seminar-II	2+0
20.	VSR 699	Doctoral Research	0+75

*Core Courses

PG Examination Pattern

Sr. No.	Examination	Theory	Practical
1.	Self-study (Assignment/Presentation)	20	-
2.	Internal test First Test	10	-
	Mid Term Test	20	50
3.	Semester End Examination	50	50
Total Marks		100	100

Awards

Sr. No	Name	Award/ Appreciation	Society/Agency	Place	Year
1.	J. K. Mahla	Appreciation Award for paper presentation	Indian Society of Veterinary Surgery (ISVS)	Chennai	2017
2.	J. K. Mahla	Appreciation Award for small animal poster presentation	Indian Society of Veterinary Surgery (ISVS)	Chennai	2017

3.	J. K. Mahla	CORONA warrior (Appreciation award)	Charotar Horse Society	Anand	2020
4.	J. K. Mahla	Best Paper Presentation Award	Veterinary Internal & Preventive Medicine Society (VIPM)	Anand	2022
5.	J. K. Mahla	Best Poster Presentation Award	Indian Association of the Advancement of Veterinary Research (IAAVR)	Anand	2023
6.	J. K. Mahla & Dr. H. M. Barot	Best Poster Presentation Award- Companion Animals	Society for Veterinary Science & Biotechnology (SVSBT)	Indoor	2023
7.	J. K. Mahla	Best Paper Presentation Award - Clinical Sciences	Society for Veterinary Science & Biotechnology (SVSBT)	Indoor	2023
8.	J. K. Mahla & Dr. H. M. Barot	Best Paper Presentation Award –Companion Animals	Society for Veterinary Science & Biotechnology (SVSBT)	Indoor	2023
9.	Dr. H. M. Barot	Gold Medals In Anaesthesiology Session	Indian Society of Veterinary Surgery (ISVS)	Odisha	2023
10.	J. K. Mahla	Second Best Oral Presentation	Indian Society for Buffalo Development (ISBD)	Anand	2024
11.	J. K. Mahla	First Best Oral Presentation	Indian Society for Buffalo Development (ISBD)	Anand	2024
12.	Dr. H. M. Barot,	Appreciation award in Anesthesiology Session	Indian Society of Veterinary Surgery (ISVS)	Guwahati	2024

Publications

Sr. No.	Name of Journal	Year	Title	Author(s)
1.	The Indian Journal of Veterinary Sciences and Biotechnology.	2016	Deltamethrin Toxicity in a Labrador Dog: A Case Report.	J.J.Parmar, P.V.Parikh, N.R.Amin, P. B.Dabhi and J.K. Mahla
2.	Intas Polivet	2016	Surgical Management of Proptosis in a Dog.	J.J.Parmar, J.K.Mahla and P.V. Parikh
3.	Biomed Journal of Scientific and Technical Research.	2016	Ophthalmic: Advances in the Treatment of Ocular Diseases in Animals	K.R.Kurup, P.V.Parikh, J.K.Mahla and D. A. Ratnu
4.	Indian J Applied Research	2017	Studies on management of canine mammary tumours with dendritic Cell therapy.	A. K. Vala, P.V.Parikh, J.K.Mahla, D. N.Kelawala and Senthil Natesan

5.	Intas Polivet	2019	Clinical Management of Chronic Laminitis-A Clinical Study of 12 equines.	Mahla, J.K., Parikh, P.V.& Patel, K.P.
6.	Intas Polivet	2019	Closed Method of Patellar Desmotomy for Management of Upward Patella Fixation in a Foal.	Mahla, J.K., Parikh, P.V.& Dabhi, P. B.
7.	Ruminant Science	2020	Rumenotomy in bovines: A review of ten cases.	J.K.Mahla, P.V.Parikh, R.R.Anjana,Ashwath,K.P.Patel, P.KoliandM.D.Patel
8.	International journal of current microbiology and Applied sciences	2020	Incidence of corneal ulcers in dogs- A retrospective study.	K.P.Patel,P.V.Parikh,J.K.Mahla,S.N. Ashwath and D.N. Kelawala
9.	Veterinary World	2021	Comparative evaluation of Isoflurane and Sevoflurane in avian patients.	R.R.Anjana,P.V.Parikh,J.K.Mahla, D.N.Kelawala,K.P.PatelandS. N. Aswath
10.	The Pharma Innovation Journal	2021	Study on various Affections of lower urinary tract in dogs.	J.J.Parmar,P.V.Parikh,M.T. Panchal,P.B.Dabhi,D.N.Kelawala and J. K. Mahla
11.	The Indian Journal of Veterinary Sciences and Biotechnology	2021	Surgical Removal of Eye Worm(Ocular Setariasis) in Equines.	Ratnu,D.A.,Parikh,P.V.,Kelawala,D. N., Patel, M. D., & Mahla, J. K.
12.	The Indian Journal of Veterinary Sciences and Biotechnology	2021	Clinical attributes of Tiletamine-zolazepam induced anaesthesia with and without premedication in dogs.	P.H. Koli, P. V. Parikh, J. K. Mahla & H. M. Barot
13.	Ruminant Science	2021	Surgical management of horn affections in large ruminants	J.K. Mahla, R.R. Anjana, P.V.Parikh, J.J. Parmar, P. Koli, M.D. Patel & A.R. Mecvan
14.	Ruminant Science	2021	Surgical management of multiple congenital anomalies in a Gir female calf.	R. R. Anjana, D. A. Ratnu, J.K. Mahla, P. V. Parikh & P. H. Koli
15.	The Indian Journal of Veterinary Sciences and Biotechnology	2022	Retrospective Study on Incidence of Equine Affections Reported at Veterinary Clinical Complex, Anand, Gujarat, India	Anjana, R. R., Mahla, J. K., & Parikh,P. V.
16.	The Indian Journal of Veterinary Sciences and Biotechnology	2022	Use of Modified Custom- made Mask for Induction Technique in Avian Anaesthesia.	Ruchik R. Anjana, Pinesh V. Parikh, Jalendra K. Mahla, Devangini A. Ratnu, Prashant B. Dabhi
17.	The Pharma Innovation Journal.	2022	Management of dystocia induced mandibular fracture in new born calves: A	Mahla J.K., Amin N.R., Dabhi P.B., Mecvan A.R., and Parikh P.V.

			review of 14 cases.	
18.	The Pharma Innovation Journal.	2023	Studies on prevalence of bad conformation and lameness in horses of Gujarat.	Mahla, J. K., Parikh, P. V., Mecvan, A. R., Dabhi, P. B., Amin, N. R., Patel, A. K., & Gelat, M. N.
19.	The Pharma Innovation Journal.	2023	Studies on evaluation of close method patellar desmotomy in standing method versus lateral recumbency in cattle: A review of 84 cases.	Mahla, J. K., Dabhi, P. B., Amin, N. R., Mecvan, A. R., Patel, D. K., Patel, A. K., & Parikh, P. V.
20.	The Pharma Innovation Journal.	2023	A prospective study on lower limb lameness affected horses.	Mahla, J. K., Parikh, P. V., Panchal, K. M., Parmar, J. J., Amin, N. R., Dabhi, P. B., Patel B. R., Gajera K.G., Chaudhari M.J., Bhalodi A.S., Mayani A.J., Mecvan A.R., Dhami A.J. & Panchal, M. T.
21.	The Pharma Innovation Journal.	2023	Studies on incidence of corneal ulcer in dogs.	Mecvan, A. R., Parmar, J. J., Parikh, P. V., Amin, N. R., Mahla, J. K., & Dabhi, P. B.
22.	Veterinary today	2023	Surgical management of odontoma in ruminants: A review of 2 cases	Mahla, J. K., Mayani, A. J., Gamit, M.A., Patel, A. K., Gelat, M. N., & Bhalodi, A. S.
23.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Bovine surgical management of external hernia: A review of 8 cases.	Mahla, J. K., Patel, A. K., Patel, B. M., Gelat, M. N., Patel, K. D., Bodala, J. Y., & Patel, S. K.
24.	International Journal of Veterinary Sciences and Animal Husbandry	2024	X-ray assisted reconstructive surgical management of atresia ANI ET Recti in Gir calf (Bos indicus) with a rare incidence of Anury	Patel, A. K., Mahla, J. K., Gamit, M. A., Bhalodi, A. S., & Mayani, A. J.
25.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Carapace fracture management in Indian star tortoise.	Patel, B. M., Mahla, J. K., Patel, K. D., Patel, A. K., & Tomar, A.
26.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Medico-physiotherapeutic management of bovine paraplegia: A review of five cases	Mahla, J.K., Asodiya, F.A., Gamit, M.A., Bhalodi, A.S., Gelat, M.N., and Patel, A.K.
27.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Bowed tendon in horses and their management: A review of 18 cases	Mahla, J.K., Parikh, P.V., Barot, H.M., Patel, K.D., Patel, B.M., and Bodala, J.Y.
28.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Malignant melanoma of ear pinna in HFx breed cattle: A case report.	Barot, H.M., Dabhi, P. B., Mahla, J.K., Mayani, A.J. and Parikh, P.V.
29.	International Journal of Veterinary Sciences and Animal	2024	Surgico- thermo and post operative chemical cauterization for	Mahla, J.K., Parikh, P.V., Patel, A.K., Patel, B.M., Patel, K.D., and Bodala, J.Y.

	Husbandry		management of canker in horses.	
30.	International Journal of Veterinary Sciences and Animal Husbandry	2024	A role of therapeutic shoe in management of chronic laminitis & navicular disease: A review of 37 cases.	Mahla, J.K., Parikh, P.V., Patel, Mecvan, A. R., Barot, H.M., Asodiya, F.A., Patel, A.K., Bodala, J.Y., Patel, K. D., and Patel, B.M.
31.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Reconstructive management of mandibular lip avulsion in cat	Bodala, J. Y., Parikh, P. V., Mahla, J. K., Patel, A. K., Patel, S. K. and Patel K. D.
32.	International Journal of Veterinary Sciences and Animal Husbandry	2024	Surgical management of inter digital fibroma in Cattle.	Patel, K.D., Patel, B.M., Mahla, J. K., Patel, R.M., Patel, K. M., Patel, C.N., Chaudhari, D.B., Chaudhari, M.T. and Patel, H. D.
33.	Veterinary today	2024	A Management of rarely observed scapula fracture by bone platting and wiring in Gir calf	Mahla, J.K., Gelat, M.N., and Mayani, A.J.

Contact details

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