

2. Department of Veterinary Anatomy and Histology

Faculty

Sr. No	Name	Designation	E-mail	Phone	Joining Year	Qualification	Experience in years	Publication (No. of research papers)
1	Dr. M. C. Desai	Professor and Head	drmcdesai@kamdhenuuni.edu.in	9427638701	1986	Ph. D.	35	30
2	Dr. K. B. Patel	Professor	drkbpattelvet@kamdhenuuni.edu.in	9925310940	1986	Ph. D.	35	30

Department Name: Veterinary Anatomy

After the establishment of College of Veterinary Science and Animal Husbandry, at Sardarkrushinagar in the year 1981, the department of Veterinary Anatomy and Histology was the first to start in this college. It was initially in a small barrack in the premises of University Press Building. Later on, it was shifted to the present location in the year 1992. Dr. B. G. Panchamukhi, (Retired) was pioneer of the department and headed the department from 1981 to 1996.

The main mandate and objective of Department is to furnish the knowledge to the U.G. and P.G. veterinary students on the Macroscopic, Microscopic and Embryological anatomy as well as applied anatomical aspects of all domestic animals including birds. The knowledge of Veterinary Anatomy is availed for its application in the clinical, para-clinical, production, reproduction and other disciplines.

The Anatomy Department of this institute is known for the laboratory setup, infrastructure facilities and the unique museum developed as teaching aids for the students of veterinary stream. Department has well equipped gross anatomical and histological laboratories and dissection hall. The Department has prepared appreciable number of teaching aids such as skeletons, charts, Models, and colors transparency film, radiographs to cater to needs of U.G. & P.G. students. This department is known for imparting in-depth practical training to Under Graduate and Post Graduate students. The department of Anatomy to its credit has produced two Ph.D. and

six M.V.Sc candidates.

Research Area

- 1) Determination of epiphyseal closure time in appendicular skeleton of buffalo
- 2) Prenatal and postnatal development of brain in buffalo
- 3) Prenatal and postnatal development of teeth in buffalo
- 4) Prenatal development of mammary gland in goat
- 5) Prenatal development of tongue goat
- 6) Prenatal development of teeth in goat
- 7) Prenatal development of appendicle skeleton of buffalo
- 8) Prenatal development of appendicle skeleton of goat

Research Project

COMPLETED					
Sr. No.	Title	Duration	Funding Agency	Budget Amount	PI/Co PI
	Not applicable				

ON-GOING					
Sr. No.	Title	Duration	Agency	Budget Head	PI/Co PI
	Not applicable				

Achievements

- "Shri Hari Om Ahram sponsored Prof. J. P. Trivedi Award - 1997" for contribution in field of Animal Science on topic entitled, "Age Determination in Buffalo (*Bubalus bubalis*) and its Fetuses by Development of Teeth" by GAAS (1997): Dr K B Patel

- **"Appreciation Award"** for Poster Presentation of research paper entitled, "Histogenesis of First Deciduous Incisor Tooth in Buffalo Fetuses" by IAVA (2001): Dr K B Patel and Co-workers
- **"Best Paper Award"** for Research Paper entitled "Radiographic Approach to Postnatal Development of Incisor Teeth in Buffalo (*Bubalus bubalis*)" by IAVA (2003): Dr K B Patel and Co-workers
- **"Best Poster Award" (II Prize)** for the Poster Presentation of Research paper entitled, "A Study on External Developmental Horizons and Approximation of Age in the Goat Fetuses" by GAU (2005): V.K. Parmar and Co-workers
- **Dr. A. M. Srivastava Gold Medal** for Outstanding M. V. Sc. Research work in Veterinary Anatomy on thesis entitled "Prenatal development of incisor teeth in goat (*Capra hircus*)" by IAVA (2018): Dr. N. H. Joshi
- **Chancellor's Gold Medal** for Highest O.G.P.A. in M. V. Sc. by SDAU (2017): Dr. N. H. Joshi

List of Research Publications (Last two years)

1. Chudasama, M. M., Joshi, N. H., Ghule, P. M., Desai, M. C., Gupta, J. P., Ghule, P. M. and Chaurasia, S. (2018) Biometry of tongue and its association with various body measurements in prediction of fetal age in Surti goat fetus (*Capra hircus*). Indian Journal of Animal 52 (6): 864-867.
2. Joshi N. H., Patel K. B., Desai M. C., Raval S. H., Parmar R. S. and Chudasama M. M. (2018). Radiographic study on prenatal development of deciduous incisor teeth in Goat (*Capra hircus*) International Journal of Agricultural Sciences 10 (10): 6053-6057.
3. Joshi N. H., Chudasama M. M., Patel K. B., Desai M. C., Raval S. H., Parmar R. S. (2018). Histomorphological study on prenatal development of first deciduous incisor tooth in goat (*capra hircus*). International journal of agricultural sciences.10 (11): 6237-6243.
4. Joshi N. H., Chudasama M. M., Patel K. B., Desai M. C., Raval S. H., Parmar R. S. and Menaka R. (2019). Deposition pattern of hard dental structures during development of first deciduous incisor tooth in goat (*capra hircus*). International journal of agricultural sciences.11(06): 8143-8147
5. Prajapati R. K.; Chauhan H. D. ; Patel P. D.; Paregi A. B.; Thakkar N. K.; Patel J. V.; Madhavatar M. P.; Raval S. H. and JoshN. H. (2019). Effect of different housing systems on feed conversion ratio, haematobiochemical parameters and coccidial oocyst of broiler rabbits. *International Journal of Agricultural Sciences*. 11 (06): 8100-8102.
6. Patel, J. G., Raval S. H., Parmar R. S., Suthar A. N., Joshi N. H., Patel B. J. and Joshi D. V. (2019) "Pathology and Metagenomics Based Diagnosis of Tuberculosis in Bikaneri Camel (*Camelus dromedaries*)". Indian Journal of Veterinary Pathology, 43(3): 189-192.

Academics

UG Programme

Theory and Practical (as per VCI MSVE, 2016)

Veterinary Anatomy Credit hours : 4 + 3 = 7	
	Theory
1	Unit-1 Introduction (15 classes)
2	Unit-2 Fore limb: (15 classes)
3	Unit-3 Head and neck: (30 classes)
4	Unit-4 Thorax: (10 classes)
5	Unit-5 Abdomen: (15 classes)
6	Unit-6 Hind limb and pelvis: (15 classes):
7	Unit-7 Histology: (25 classes)
8	Unit-8 Embryology: (15 classes)
	Practical
1	Unit-1 Introduction (10 classes)
2	Unit-2 Fore limb: (12 classes)
3	Unit-3 Head and neck: (18 classes)
4	Unit-4 Thorax: (10 classes)
5	Unit-5 Abdomen: (10 classes)
6	Unit-6 Hind limb and pelvis: (14 classes):
7	Unit-7 Histology: (22 classes)
8	Unit-8 Embryology: (09 classes)

Papers	Units
Veterinary Anatomy Paper- - I	1, 2, 3 and 4
Veterinary Anatomy Paper- - II	5, 6, 7 and 8

7. Master Programme

Sl. No.	Course No.	Course Title	Credit Hours
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1	VAN-601	Comparative Osteology & Arthrology	1+2=3
2	VAN-602	Comparative Splanchnology	2+2=4
3	VAN-603	Myology, Angiology, Neurology & Aesthesiology of ox	1+3=4
4	VAN-604	Gross Anatomical Techniques	0+2=2
5	VAN-605	Theory and Practice of Histological and Histochemical Techniques	1+2=3
6	VAN-606	General Histology & Ultrastructure	3+1=4
7	VAN-607	Systemic Histology & Ultrastructure	3+1=4
8	VAN-608	Developmental Anatomy	3+1=4
9	VAN-691	Master's Seminar	1+0=1
10	VAN-699	Master's Research	20

8. Ph. D. Programme

Sl. No.	Course No.	Course Title	Credit hrs.
1	VAN 701	Myology, Angiology, Neurology And Aesthesiology of Equine, Canine And Porcine	0+3
2	VAN 702	Principles And Applications of Biomechanics	2+0
3	VAN 703	Avian Anatomy	1+2
4	VAN 704	Neuroanatomy	3+1
5	VAN 705	Endocrine Anatomy	2+1
6	VAN 706	Theory And Applications of Electron Microscope	2+1
7	VAN 707	Histoenzymology And Immunocytochemistry	2+1
8	VAN 708	Applied Embryology and Teratology	1+2
9	VAN 709	Functional Veterinary Anatomy	2+0
10	VAN 710	Gross Anatomy of Laboratory Animals	1+1
11	VAN 790	Special Problem	0+2
12	VAN 791	Doctoral Seminar I	+0
13	VAN 792	Doctoral Seminar II	1+0
14	VAN 799	Doctoral Research	45

Media Gallery

Photo Gallery
Contact Us

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