

9. Veterinary Gynaecology & Obstetrics

Faculty Profile

Sr.No.	Name	Designation	Email	Mobile	Joining year	Qualification	Experience (Year)	Research papers
1	Dr. K. B. Vala	Associate Professor and Head	drkbvala@kamdhenuuni.edu.in	9328933728	2012 (JAU)	Ph.D.	11 + 1 (Other)	25
2	Dr. K. H. Parmar	Assistant Professor	kiran123@kamdhenuuni.edu.in	9016617817	2012 (JAU)	Ph.D.	10 + 4 (Other)	25

About the Department

Department of Veterinary Gynaecology and Obstetrics is one of the key clinical departments of College of Veterinary Science and Animal Husbandry for imparting quality teaching to UG and PG students of veterinary science along with clinical services, research and extension activities.

Department is having various laboratories as per the requirement of Veterinary Council of India for UG and PG teaching viz; Gynaecology lab, Andrology lab, Museum, PG lab with various advance instrumentation which will directly benefit to the livestock owner.

Department is providing advance diagnostic facilities of various infertility and obstetrical problems and treatment to the domestic, pet animals, wild animals and NGOs of Saurashtra and Gujarat region since its inception. Last year faculties of this department had treated more than 1000 cases in Gynaecology OPD, ambulatory clinics and clinical camp.

Research Area

1. Prevention and control of infertility in dairy animals.
2. Improve semen quality
3. Embryo Transfer Technology
4. Improve fertility in equine

Project Detail

On going					
Sr. No.	Title of scheme	Duration	Funding Agency	Budget	Principal Investigator
1	Efficacy of ultrasonography, uterine swab, culture and endometrial cytology for diagnosis of equine endometritis	Two Years	State Government	12405	PI - Dr. K. B. Vala Co PI- Dr. D. N. Borkhatariya Dr. K. H. Parmar Dr. R. J. Raval Dr. D. T. Fefar Dr. D. B. Barad

Achievements and List of Research Publications

Awards/ Medals Received by the Faculty/ Students

1. Best oral Presentation: Dr. K. B. Vala *et. al.*- in National seminar organized by SVSBT from 16 to 17 December, 2016.
2. Best poster presentation: Dr. K. H. Parmar *et. al.*- in National seminar organized by SVSBT from 16 to 17 December, 2016.
3. Best research paper presentation award: Dr. K. B. Vala *et. al.* in International seminar organized by ISSAR from 28 to 30 December, 2018
4. Best Popular article: Dr. K.H.Parmar was selected as best article in *epashupaln journal* during July, 2020
5. Best poster presentation: Dr. K. H. Parmar *et. al.*- in National seminar organized by SVSBT from 17 to 18 December, 2021
6. Best poster presentation: Dr. K. H. Parmar *et. al.*- in National seminar organized by SVSBT from 17 to 18 December, 2021.

Other achievements

- Total 03 research recommendations were given for scientific community.
- Diagnosis and Treatment of Animal having Reproductive disorders.
- Prevention and control of infertility in dairy animals.
- Power Point Presentations have been prepared for all units of UG and P.G. courses
- Training of Veterinary Officers and Livestock inspectors (ASCAD).
- Providing Technical expertise at Clinical camps
- Practical manuals of all courses have been prepared.

List of Recent Research Publications (2020-21)

- 1.Vala, K.B., Dhami, A.J., Kavani, F.S., Bhnaderi, B.B. and Parmar, S.C. 2020. Impact of peripartum nutritional supplementation on thyroid hormones, metabolites and reproductive peridata in Jaffarabadi buffaloes. *Indian Journal of Veterinary Science and biotechnology*. 15 (3): 16-20. (NAASS Rating -4.47)
- 2.Parmar, K. H., Tank, P.H. and Kavani, F.S 2021. Seasonal influence on post thaw seminal attributes and conception rate from semen of Jaffarabadi buffalo bulls. *Indian Journal of Animal Research*, 55(9): 1014-1017.(NAAS-6.4)
- 3.Parmar, K. H., Singh V. K., Savsani H. H., Kavani, F. S., Rajoriya J. S. and Lone, S. A. 2021. Seasonal Variation in Heat Shock Proteins (HSP70 and HSP90) and their Association with Frozen Semen Quality and Fertility in Buffaloes. *Cryoletters*, 42(5): 261-266.(NAAS-6.7)
- 4.Parmar, K.H., Patbandha, T.K., Raval, R. J. and Kavani, F.S. 2021. Sexual behavior and seminal attributes associated with fertility of Jaffarabadi buffalo. *Indian Journal of Animal Research*, DOI: 10.18805/IJAR.B-4725, Online published.(NAAS-6.4)
- 5.Parmar, K. H. 2021. A review: Endometritis in Bovine. *Agriculture review*, 42(3): 342-347. (NAAS-4.63)
- 6.Parmar, K. H. 2021. A mini review: semen sexing in bovine. *International Journal of Veterinary Science and Animal Husbandry*, 6(1): 4-10. (NAAS-nil)

Activities/Trainings/Seminars/Workshops organized by Department

1. The five Days Online Vocational Training programme on “**Immunological Advancements in Male and Female Fertility**” organized by Department of Veterinary Gynaecology & Obstetrics in collaboration with Department of Veterinary Physiology & Biochemistry, College of Veterinary Science and Animal Husbandry, Junagadh Agricultural University, Junagadh under the aegis of Institutional Development Plan - ICAR from 1st to 5th September, 2020.

Information of Courses offered

Under-graduate Programme (As per VCI MSVE, 2016)

Sr. No.	Course Title	Credit
1	Veterinary Gynaecology and Obstetrics	2+1=3
	Theory	
	Unit 1: Veterinary Gynaecology	
	Unit 2: Veterinary Obstetrics	
	Unit 3: Veterinary Andrology and A. I.	
	Practical	
	Unit 1: Veterinary Gynaecology	
	Unit 2: Veterinary Obstetrics	
	Unit 3: Veterinary Andrology, A. I. and Assisted Reproductive Techniques	

Post-graduate Programme

Sr. No.	Code	Course Title	Credits
1	VOG 601	General Gynaecology	3+1=4
2	VOG 602	Female Infertility	3+1=4
3	VOG 603	Veterinary Obstetrics	2+2=4
4	VOG 604	Andrology & Male Infertility	3+1=4
5	VOG 605	Semen Preservation and Artificial Insemination	2+1=3
6	VOG 606	Reproductive Biotechnology	2+1=3
7	VOG 607	Clinical Practice I	0+3=3
8	VOG 608	Clinical Practice II	0+3=3
9	VOG-691	Master's Seminar	1+0=1
10	VOG-699	Master's Research	

Ph.D. Programme

Sr. No.	Code	Course Title	Credits
1	VOG 701	Advances in Gynaecology	2+1=3
2	VOG 702	Advances in Obstetrics	2+1=3
3	VOG 703	Advances in Andrology	2+1=3
4	VOG 704	Advances in Reproductive Biotechnology	1+1=2
5	VOG 705	Advances in Semen Preservation	1+1=2





6	VOG 706	Clinical Practice I	0+3=3
7	VOG 707	Clinical Practice II	0+3=3
8	VOG 790	Special problem	0+ 2=2
9	VOG 791	Doctoral seminar I	1+0=1
10	VOG 792	Doctoral seminar II	1+ 0=1

Infrastructure Facility and Major Equipment available

Sr. No.	Name of instrument
1	Phantom box for large and small animal
2	Trinocular Microscope with digital micro photography
3	Research Microscope with digital micro photography
4	Portable ultrasonography machine
5	Co ₂ incubator
6	Phase contrast microscope
7	Steriozoom microscope
8	IVET Scope
9	Manual freezing unit
10	Embryo freezing unit
11	Calf Puller
12.	Oestrous detector

Photo Gallery

Album1: Department of Veterinary Gynaecology and Obstetrics

	
Museum cum Phantom hall palpation room	Gynaecology Laboratory Obstetrics room
	
Andrology Laboratory	Research Laboratory for PG students

Album 2:

Different activities carried out by Department of Veterinary Gynaecology and Obstetrics

	
Artificial insemination	
	
Caesarean in buffalo in OPD	Foetotomy in buffalo
	
Gynaeco-clinical examination OPD	Ultrasonography



Oocytes retrieval process



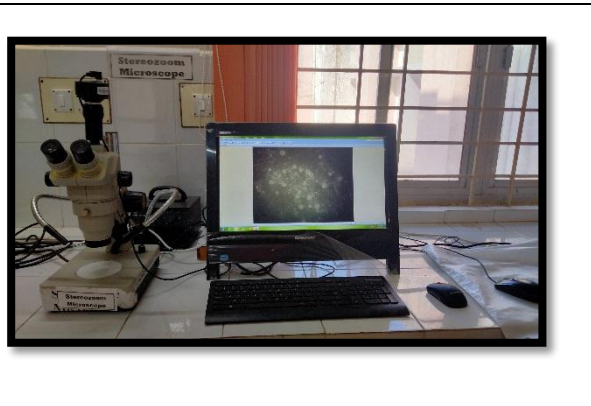
Pregnancy diagnosis in camel

Album 3:

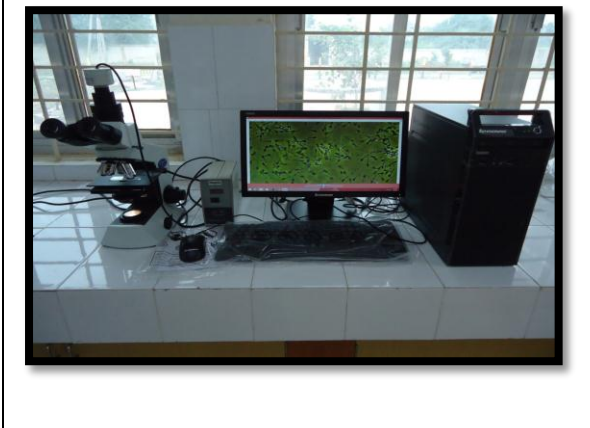
Instruments and Diagnostic Facilities available at Department of Veterinary Gynaecology and Obstetrics



Portable Ultrasonography machine



Steriozoom microscope



Phase contrast microscope



Electro-ejaculator



IVET SCOPE



Embryo freezing machine



Squeeze crate



Co₂ incubator



Phantom box



Rear parts Elevator

Contacts Us:

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