

Department of Physiology has been an integral part of the university of Rajasthan since her founding as the SARDAR Patel Medical College in 1959. Professor S. Banerjee Served as very first HOD from July 59 to Dec. 1963. Department of Physiology offers academic programs leading to post graduate degrees at the Masters and PhD levels.

### **Past and current Heads of the Department**

1. DR.S. BANERJEE ----- JUL 59 TO DEC 63
2. DR. S.N. GUPTA ----- JAN 64 TO OCT 67
3. DR. C.L.PATHAK ----- NOV67 TO OCT 68
4. DR. B.B. MAITRYA ----OCT 68 TO AUG 80
5. DR. P.NP. NAG ----- MAR 81 TO JAN 82
6. DR. P.C. HURKAT ----JAN 82 TO AUG 89
7. DR. UMA JOSHI ----- AUG 89 TO MAR 99
8. DR. SUSHILA GAHLOT ----- APR 99 TO FEB 07
9. DR. K.C. MATHUR ----- MAR 07 TO SEPT 11
10. DR. K.C. OJHA ----- AUG 11 TO SEPT 14
11. DR. B.K.BINAWARA ----- OCT 14 TO PRESENT

The department has very significant role in the advanced age of Applied Biological and Health Sciences. The Department of Physiology occupies the ground floor of the college building. It is introducing teaching and research programs in basic, experimental and applied physiology at undergraduate and post graduate levels. Healthy atmosphere, committed working, highly qualified teaching faculty, well equipped computers, added Experimental / Clinical / Hematology / Research Laboratories and Seminar Room are main symbols of entity of the Physiology Department. Other facilities include departmental office, conference room, lecture theatre, departmental library and reading room. This department objectively placed significant role in the advancement of physiological sciences with a variety of vigorous research programs supporting undergraduate physiology education and graduate studies in relevant fields. Since past many years physiology department has awarded degrees of M.D./M.sc and PhD to deserved candidate.

### **Teaching Faculty**

S. No.	Name	Designation	Qualification(s)	Mobile	E-Mail
1	Dr. Bijendra Kumar Binawara	Professor and Head	MBBS MD PHD	9414096961	dr_binawara@yahoo.com
2	Dr. Dev Kishan Devra	Assoc. Professor	MBBS MD	9252264538	dr.dkdevra@rediffmail.com
3	Dr. Mukesh Kumar Chaturvedi	Asstt. Professor	MBBS MD	9828306990	mukesh.chaturvedi88@gmail.com
4	Dr. Pramod Kumar (M.O.) - UTB	Asstt. Professor	MBBS MD	9461347261	drpn2408@gmail.com
5	Dr. Kumari Nirja - UTB	Asstt. Professor	MBBS MD	9783612180	neerjarathore@yahoo.co.in
6	Dr. Ekta Soni - UTB	Asstt. Professor	MBBS MD	8107566077	drektasoni1@gmail.com
7	Dr. Devendra Kumar	Sr. Demonstrator	MBBS	7597695195	dr_dks@yahoo.in
8	Dr. Pooja Sharma - UTB	Sr Demonstrator	B.Sc. M.Sc. (Phy)	9950003333	poojasharma4212@gmail.com
9	Dr. Arif Khan	Sr Demonstrator	MBBS	9468942565	arifkhan130987@gmail.com
10	Dr. Kuldeep Bijarania - UTB	Sr. Demonstrator	BDS M.Sc. (Phy)	9660000672	drkuldeep5789@gmail.com
11	Dr. Poornima Vyas	Sr Demonstrator	B.Sc. M.Sc. (Phy)	9983308886	poornimavyas1216@gmail.com
12	Dr. Poona Ram Beniwal	Sr. Demonstrator	M.Sc. (Phy)	9001598759	benipoona@yahoo.com
13	Dr. Manoj Gupta	Medical Officer	MBBS MD	9001181015	Drmanojgupta.com@gmail.com

**Note:- Click [HERE](#) for IMR Details**

## **COURSE CONDUCTED:-**

- MD – FIVE CANDIDATE PER YEAR
- M.sc – THREE CANDIDATE PER YEAR
- Ph.D – ONE CANDIDATE PER YEAR

## **EQUIPMENT:-**

## **FACILITIES PROVIDED WITH RATE:-**

## **ACADEMIC ACTIVITIES :-**

Regular seminars and journal clubs are held in the department from time to time.

## **CURRENTLY BEING DONE:-**

## **THESES:-**

1. A Comparative study of the effects of soybean oil and other vegetable oil on selected Cardio-Vascular Parameters . By Dr. Kuldeep Bijaraniya
2. EEG variables in DM. BY Dr. Jitendra Shekhar
3. Effect on Cardiovascular responses by isometric hand grip exercises on normotensive medical students. BY Dr. Sudhir Kumar Sharma
4. Effect of Ambient Temperature on cardiovascular autonomic nervous functions on medical students. BY Dr. Mukesh Kumar Chaturvedi
5. Effect of sudershan kriya yoga on autonomic function test in hypertensive , prehypertensive and stress By Dr.Nitesh Agrawal

## **PUBLICATIONS:-**

1. Pulmonary Function Tests in three wheeler diesel taxi drivers in Bikaner City. Bijendra Kumar Binawara, SushilaGahlot, Kamlesh Chandra Mathur, Ashok Kakwar, Reshu Gupta, Rajnee. Pak J Physiol 2010; 6(1):28-31.
2. Acute effect of formalin on pulmonary function tests in medical students. Binawara BK, Rajnee, Choudhary S, Mathur KC, Sharma H, Goyal K. Pak J Physiol 2010; 6(2):8-10.
3. Short review of Pathophysiology of Catechol Estrogen. Rajnee, SunitaChoudhary, Bijendra Kumar Binawara. Pak J Physiol 2010; 6(2):60-62.
4. Effect of Tulsi(Ocimum Sanctum Linn) on clinical and biochemical parameters of metabolic syndrome . Devra DK., Mathur KC, Agarwal RP. Indian Medical Gazette, may 2011, pages 196-201.
5. Effect of exercise on serum iron, blood haemoglobin and cardiac efficiency. sunitachoudhary, rajnee, Bijendra Kumar Binawara. J Postgrad Med Inst 2012; 26(1):13-6.
6. Insulin resistance and Polycystic ovary syndrome. SunitaChoudhary, Rajnee, Bijendra Kumar Binawara. Pak J Med Res 2012; 51(2):63-65.
7. Haematological and electrocardiographic variations during menstrual cycle. Rajnee, Vinod Kumar Chawla, RaghuvveerChoudhary, Bijendra Kumar Binawara, SunitaChoudhary. Pak J Physiol 2010; 6(1):18-21.
8. Effect of human occupational exposure to organic solvents: An Electrophysiologic study. Reshu Gupta, KC Mathur, BK Binawara. IJBAMR june 2012; 3(1):185-192.
9. Microalbuminuria and its association with risk factors among type 1 diabetes mellitus patients attending a tertiary care hospital : A cross sectional study. Reshu Gupta, abhishekKawatra, S Gehlot, R.P.Agrawal, B.K.Binawara, Himansusharma. International J. of Healthcare & Biomedical research, Volume: 1, Issue: 3, april 2013, pages 109-119.

## **PAST THESES**

1. Pulmonary Function Tests in three wheeler diesel taxi drivers in Bikaner City. **Dr. Bijendra Kumar Binawara,**
2. Effect of yoga and meditation on different physiological parameters(respiratory and cardiac ) in chronic tobacco smokers. **Dr. Bijendra Kumar Binawara,**
3. Effect of Tulsi(Ocimum Sanctum Linn) on clinical and biochemical parameters of metabolic syndrome . **Dr. Dev kishan Devra.**
4. Effect of sudarshan kriya yoga on cardiovascular parameters and co morbid anxiety in patients of hypertension **DR. Pramod kumar narnolia**
5. Effect of yagya mantra therapy on Physiological parameters and mental health. **Dr. Nidhi Singh.**
6. Study of pulmonary function test in pregnant female during three different trimesters residing in polluted area of Bikaner city Dr. Khemlata Tilwani.
7. Effect of Amla (emblica officinalis ) on various physiological and biochemical parameters in metabolic syndrome **Dr. Manoj Gupta.**
8. To evaluate Cardio-Vascular risk by assessing biological markers of atherogenecity , atherogenic index of plasma in prehypertensive and hypertensive. **Pooja Sharma.**

#### PHOTOGRAPHS OF DEPARTMENT



**Dr. B. K. Binawara**  
**(Asso. Prof. and HOD)**



**Department of Physiology Staff and students**



**Physiology Lecture theatre**





**Haematology Lab.**

