

**DEPARTMENT OF PHYSIOLOGY**  
**SHRI VASANTRAO NAIK GOVT. MEDICAL COLLEGE**  
**YAVATMAL**



# DEPARTMENT OF PHYSIOLOGY

Establishment: - YEAR 1989

// Head of Department //

Name	From	To
Dr. B. V. Deshkar	1989	1994
Dr. N. Y. Nimje	1994	1995
Dr. Mrs. L. S. Joshi	1995	1997
Dr. A. N. Kowale	1997	1997
Dr. M. S. Patwardhan	1997	1998
Dr. A. N. Kowale	1998	2003
Dr. S. M. Kulkarni	2003	2004
Dr. V. D. Tajne	2004	2006
Dr. S. M. Kulkarni	2006	2006
Dr. K. B. Shakyamuni	2006	2011
Dr. S. M. Kulkarni	2011	15.06.2011
Dr. A. H. Kale	16.06.2012	29.01.2018
Dr. S. M. Kulkarni	30.01.2018	30.04.2019
Dr. S. S. Kulkarni	01.05.2019	30.09.2021
Dr. L. B. Buktar	01.10.2021	26.01.2022
Dr. M. T. Jiwtode	27.01.2022	Till date

FACULTIES	
Post	Name of faculty
Professor and Head of Department	Dr. M. T. Jiwtode
Associate Professor	Dr. Anju A. Asia
Associate Professor	Dr. L. B. Buktar
Assistant Professor	Dr. S. S. Motewar
Assistant Professor	Dr. Sharad Mankar
Assistant Professor	Dr. Narhari Pophali
Assistant Professor	Dr. Satish Pawar
Assistant Professor	Dr. Pallavi Pandhare
LIST OF NON TEACHING STAFF	
Post	Name
Lab. Technician	Shri. N. D. Nagrale
Clerk	Smt. Jyoti S. Shende
Peon	Shri. Dnyaneshwar Godmale
Sweeper	Shri. Shyam Kondhave

<b>Facilities Available</b>
-Under Graduate Teaching for 200 MBBS students yearly, BPMT Teaching.

## List of Publications of Physiology Department

- **Dr. M. T. Jiwtode**
- 1) **Prediction of Pulmonary norms in Healthy school boys 5-15 years. JMGIMS 2011;16(i) :10-16**
- 2) **Prediction Equation For Pulmonary Functions In Central Indian Children. JDMIMSU 2011; 6(1): 4-8.**
- 3) **Anthropometric parameters as predictors of Peak expiratory flow rate in Central Indian children 5-15 years. J Diagnostics.2014;1(1):6-12**
- 4) **A study of correlation of Blood pressure with left ventricular Mass in Normotensive and Hypertensive subjects. National J Medical Sciences.2015; 4(2):chapt3.**
- 5) **Effect of integrated yoga module on respiratory pressures and pulmonary functions in children. Int J Res Med Sci.2015 Dec;3(12):3548-3552**
- 6) **Effects of four months yoga training on hand grip strength and hand grip endurance in children at Nagpur. Int J Med Sc Pub Health.2016;5(11): 2209-2211**
- 7) **To study the effects of duration of yoga training on post exercise recovery time. Int J Physiol, Jan-Jun,2016;4(1):93-96**
- 8) **Effect of duration of Yoga training on pulmonary function tests and respiratory pressures in sedentary healthy adult population of Nagpur. Al Ameen J Sci,2016;9(2):79-83.**
- 9) **Effect of integrated yoga therapy on glycemic control and pulmonary function tests in borderline noninsulin dependent diabetes mellitus patients of Central India. Int J Med Sci Public Health,2017;6(5)926-930**
- 10) **Comparison of pulmonary function tests in urban and rural children of Nagpur, Maharashtra, India. Int J Res Med Sci. 2017 Mar;5(3):908-911**
- 11) **Inter-relationship of arm span, height and arm span to height ratio in Normal central Indian children aged 5-15years.Ind J Appl Research.2017;7(9) 147**
- 12) **Comparison of working memory between male and female students of 1st year MBBS in Nagpur. Int J Sci Res,2017 Dec;6(12)17-18**

**13) Relationship between Anthropometric variables and Lung function parameters Among School children of Central India. Int J Sc Res, 2018;7(3):722-723**

• **Dr. Anju A. Asia**

- 1) Body fat topography and waist hip ratio in female handball players. IJABPT. Volume 4, Issue 3, July-September 2013.**
- 2) Auditory and Visual Reaction time in Taekwondo Players. IJRTST. Volume 8, Issue 3, 2013.**
- 3) Learning experience and Expectations of 1st MBBS students- A questionnaire based survey. NJIRM 2014: Volume 5(1) Jan Feb.**
- 4) Nerve conduction studies in recently diagnosed untreated Hypothyroid patients. IJBAMR. Volume 4 Issue 4, September 2015.**
- 5) Student's perception of traditional teaching learning process in Physiology. An insight to study Absenteeism in medical students. South East Asian Journal of Medical Education. 73 Vol. 10 no. 2, 2016.**
- 6) Effect of Chronic exposure to Flour dust on Pulmonary Function tests. IOSR Journal of Dental and medical sciences. Volume 15, issue 12 December 2016, 29-32.**
- 7) Respiratory symptoms and ventilator functions among saw mill workers. IJBAMR 2017 Volume 6 issue 4 September 2017.**
- 8) Concept mapping : A meaningful self directed learning tool for problem based learning in Physiology. IJMSTR. Vol. 4 issue 8 August 2020.**
- 9) Introduction to Early clinical exposure as learning tool in Physiology. IJPP. Vol. 64 Supp 1, 2021.**

• **Dr. Lata Buktar :-**

- 1) Assessment of blood pressure measurement technique by objective structured practical examination in the 1<sup>st</sup> year MBBS students. National Journal of Physiology, Pharmacy and Pharmacology. 2022,12(2):132-136.**
- 2) Role of 'C' Reactive Protein, Hemoglobin, Red Blood Cell and Platelet in Sickle Cell Disease Patients of Tribal Districts. International journal of Physiology, April –June 2020, Volume 8 No.02, 151-156.**
- 3) Comparison between Jigsaw & Snowball Method of Active learning among First Year Medical Undergraduates. International journal of Physiology, April –June 2020, Volume 8 No.02, 81-84.**

- 4) Sick cell Gene in Yavatmal district of Maharashtra. International journal of Health care and Biomedical research, Volume:6 Issue 4 July 2018,16 – 22.
- 5) Sick cell hemoglobinopathies in tribal district of Yavatmal International journal of Health care and Biomedical research, Volume: 6 issue 4 July 2018,,8 -15.
- 6) Physioclinical assessment of minute ventilation, maximum voluntary ventilation, and /Dyspneic index in chronic alcoholics. Applied Physiology & anatomy digest ( P ISSN:2456-4095 ) JUNE 2017 (2)10- 13.
- 7) Assesmtment of peak expiratory flow rate in chronic alcoholics Indian Journal of Basic & applied Med. Research March 2016 Vol.5 2, P.258-261
- 8) Pulmonary function tests in chronic alcoholics Indian Journal of Basic & applied Med.Research Sept. 2015 Vol.4, 4, P.673-677
- 9) The study mid expiratory time in patients of ascites. Indian Medical Gazetee 2002
- 10) The study of forced vital capacity in patients of ascites. Indian Medical Gazetee
- 11) Pulmonary function tests during various trimesters of pregnancy. Indian Medical Gazetee 2003
- 12) Physioclinical assessment of Pulmonary function in CCF in rural female of Marathwada. Indian Medical Gazetee 2003

- **Dr. Sapana S. Motewar :-**

- 1) Comparison between Jigsaw and Snowball method of active learning among first year medical undergraduates: An interventional study International journal of physiology, April-June 2020, Vol.8, No. 2 and 151-156.
- 2) Effect of leprosy on median, ulnar, radial and facial nerve conduction, International journal of physiology;2020;13(2):10-15
- 3) A comparative study of anthropometric parameters and lipid profile in type 2 diabetes mellitus. International journal of medical and applied sciences, volume 3, issue 3, 116 ... 122, 2014
- 4) Effect of pregnancy on median and ulnar nerve conduction International Journal of Research in Medical Sciences *Motewar SS et al. Int J Res Med Sci. 2017 Mar;5(3):978-981*
- 5) Student Perception about difference between structured essay question and conventional long answer questions as a tool for

written assessment in MBBS exams. Shilpa S. Gupta, Motewar SS et al NJIRM 2017; vol 8(5) September- October; 82-85.

6) Variations in the branching pattern of brachial plexus with their embryological and clinical correlation. J. Morpholo. Sci, 2012, vol 29,no.3,p.167-170

- **Dr. Sharad B. Mankar :-**

- 1) Substance Abuse and Sperm Count Amongst Patients Attending Semen Analysis. Sch. J. App. Med. Sci, 2015;3 ;1F;392-395 2015
- 2) The effect of regular four months aerobic exercises on premenstrual syndrome on healthy females. Indian J Basic Apple Med Res 4(2), 340-4, 2015
- 3) Awareness and perception regarding PCPNDT act & general preference among mother's of under 5 attending immunization clinic. International Journal of medical science & public health, 5 (9), 1878-1882, 2016.
- 4) Association between hypertension & anthropometric indices in adult men : a case control study. International Journal of Community medicine & Public Health. 5(4,), 1514-1518, 2018
- 5) Screening of risk factors for cardiovascular diseases among school going adolescents : A cross-sectional study. Religion 16(18), 210,2016.
- 6) Systemic hypertension & prehypertension among school going adolescents : A cross sectional study.

- **Dr. Satish Pawar**

- 1) Comparative study of nerve conduction velocity in normal and obese medical students. Journal of school of Advanced studies. January-June 2021; vol. 4; no. 1; 22-28.
- 2) Comparison of BMI and waist hip ratio in physically trained adults and sedentary adults. International journal of Bioassays 6.9(2017); pp 5485-5488.
- 3) Comparison of lipid profile and BMI in physically trained adults and sedentary adults. GJRI, vol 7, issue 12, December 2018; 79-82.
- 4) Comparison of lipid profile in physically trained adults and sedentary adults. International Journal of Bioassays.6.8(2017), pp 5465-5469.

# PHOTO GALLERY



**PHYSIOLOGY LECTURE HALL**



● ○ REDMI NOTE 9 PRO  
○ ○ AI QUAD CAMERA

## HAEMATOTOLOGY LABORATORY



● ○ REDMI NOTE 9 PRO  
○ ○ AI QUAD CAMERA

## CLINICAL LABORATORY





**MAMMALIAN LABORATORY**



**DEMONSTRATION HALL**



**DEPARTMENTAL LIBRARY**

## STUDENT'S ACHIEVEMENTS



STATE LEVEL UNDERGRADUATE PHYSIOLOGY QUIZ 2019 –  
FIRST PRIZE



VIDARBH LEVEL UNDERGRADUATE PHYSIOLOGY QUIZ 2019–  
FIRST RUNNER UP