

**Surat Municipal Institute of Medical Education and Research (SMIMER),  
Surat  
Department of Physiology**

**Research Publications during the last one year.**

S. No	Title
1.	Pulmonary function test in compressed natural gas pump workers in surat city. National Journal of Physiology, Pharmacy and Pharmacology. Maunil Desai, Hetal Desai.2023;13(06):1161-1166.

**Ongoing Research Projects.**

S. No.	Title
1.	Clinical Validation of indigenously developed Fluorescence Immunoassay Analyser (FIA) System for quantitative measurement of various disease markers at Point of Care (POC).Site PI- Dr. Hetal Desai Professor& Head Dept. of Physiology, Co-PI Dr. Deepak Howale Dean SMIMER, Dr. Pradip Barde, Dr. Avani Kasture. IEC permitted 27/06/2022.
2.	Clinical Validation of indigenously developed PCR Iso-thermal Amplification System for Point of Care (POC) Molecular Diagnostic Testing of various infectious diseases. Site PI- Dr. Hetal Desai Professor& Head Dept. of Physiology, Co-PI- Dr. Deepak Howale Dean SMIMER, Dr. Pradip Barde, Dr. Silver Panchal. IEC permitted 27/06/2022.
3.	"Re-infection with Severe Acute Respiratory Syndrome Coronavirus-2 (SARS CoV-2) among healthcare workers in India: an open cohort study" undertaken by ICMR (DHR). Site PI-Dr. Hetal Desai, Nodal Officer MRU-SMIMER. IEC permitted 2021
4.	Assessment of Body Mass Index of First Year MBBS students of Medical College of Surat: a cross-sectional study. By Dr. Hetal T. Desai, Dr. Mansi A. Patel,IEC permitted 2018
5.	Study of binge watching on deep sleep and its correlation with growth hormone secretion and fat metabolism. By Dr. Rajendra Joshi (as TCo -PI)
6.	Effect of Pranayama on heart rate variability and lung function test in healthy adults. By Mr. Manish Choudhary, Dr M M Haq.
7.	A cross-sectional study of "Respiratory efficiency in young students" of Gujarat by S.D. Kulkarni, Dr Hetal T Desai, Dr. M. M. Haq