



अखिल भारतीय आयुर्विज्ञान संस्थान राजकोट, गुजरात 360006
All India Institute of Medical Sciences, Rajkot, Gujarat 360006

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ONGOING RESEARCH PROJECTS

S. No	Project code	Principal Investigator	Title	Duration	Date of project sanction	Approved funding grant	Funding agency
Extramural							
1	EM/05/2022	Dr. Anjali Modi	Postnatal anaemia: situation and combat strategy in Gujarat.	1 Year	14/02/2023	84, 000	State Health System Resource Centre, Govt. of Gujarat
2	EM/01/2023	Dr. Ashwini Agarwal	Setting up of Viral Research and Diagnostic Laboratory (VRDL) at AIIMS Rajkot.	5 years	17/02/2023	Equipment 2.6 crores Infrastructure grant 62.5 lacs	Dept. of Health Research, ICMR
3	EM/02/2023	Dr. Ashwini Agarwal	Upgradation of Viral Research and Diagnostic Laboratory to BSL-3	5 years	17/02/23	17 crore	Dept. of Health Research, ICMR
4	EM/03/2023	Dr. Krupal Joshi	Association between bidi smoking and cancers in India: Multicentric case control study.	1 year	03/11/23	70, 000	AIIMS – Gorakhpur
5	EM/02/2024	Dr. Tarang Patel	National cancer Registry programme Hospital Based Cancer Registry (HBCR)	2 years	23/03/24	-	National Centre for Disease Informatics and Research, Bengaluru
Intramural Funded							
1	IM/F/01/2023-24	Dr. Garima Anandani	Spectrum of RBC indices, RBC histogram and HPLC findings in Thalassemia syndromes and Hemoglobinopathies: In Saurashtra-Kutch region.	2 years	13/09/2023	4,57,398	AIIMS - RAJKOT
2	IM/F/02/2023-24	Dr. Patnana Arun Kumar	Comparative evaluation of nano hybrid and fibre reinforced composites as post	2 Years	13/09/2023	42, 850	AIIMS - RAJKOT



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			endodontic restorations in primary teeth - A Randomized Controlled Trial				
3	IM/F/03/2023-24	Dr. Vinay Chitturi	Biomarkers of Elevated Cognitive Load in a Working Memory.	1 Year	13/09/2023	3, 08, 000	AIIMS - RAJKOT
4	IM/F/04/2023-24	Dr. Amit Sonagra	Exome sequence analysis of patients with rheumatoid arthritis for identification of potential causal genetic variants.	2 years	13/09/2023	4, 90, 000	AIIMS - RAJKOT
5	IM/F/05/2023-24	Dr. Sagar Dholaria	Usefulness of urinary C- megalin for diagnosis of kidney disease in patients of type-2 diabetes mellitus: a cross-sectional study.	2 years	13/09/2023	4, 49, 000	AIIMS - RAJKOT
6	IM/F/06/2023-24	Dr. Mohit Galani	Effect of final irritant on healing of periapical lesions following single visit endodontics in multirrooted Teeth: A Randomized Controlled Trial.	2 Years	13/09/2023	49, 000	AIIMS - RAJKOT
7	IM/F/07/2023-24	Dr. Anil Chaudhary	Correlation between Anti-cyclic citrullinated peptide (Anti-CCP) antibody titre and disease severity in Rheumatoid Arthritis	2 years	13/09/2023	1, 10,000	AIIMS - RAJKOT
8	IM/F/08/2023-24	Dr. Anita Motiani	Maternal Vitamin B12 status during pregnancy: Association of low vitamin B12 with markers of oxidative stress- MPO, Ox-LDL & IsoPs	2 years	13/09/2023	4, 44, 150	AIIMS - RAJKOT
9	IM/F/09/2023-24	Dr. Sundeep Charmode	Anthropometric Analysis of Deltoid Muscle and the Underlying and Related Neurovascular structures- A Cadaveric study	2 years	13/09/2023	10, 000	AIIMS - RAJKOT
10	IM/F/10/2023-24	Dr. Sachin Singh	Efficacy and Safety of Oral Vitamin D supplementation on pulmonary function parameters assessed by forced oscillation technique in children with bronchial asthma: A pilot, double blind, randomized trial	2 years	13/09/2023	3, 02, 400	AIIMS - RAJKOT
11	IM/F/11/2023-24	Dr. Ragini Singh	Detection of interleukins - 6 and 8 in saliva as possible biomarkers for oral pre-malignant lesions and oral cancer.	2 years	13/09/2023	4, 82, 000	AIIMS – RAJKOT



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12	IM/F/12/2024-25	Dr. Tarang Patel	PD-L1 Expression on IHC: Predictive and Prognostic Significance in Oral Squamous Cell Carcinoma.	2 years	27/04/2024	1,41,088	AIIMS – RAJKOT
13	IM/F/13/2024-25	Dr. Utsav Parekh	Forensic evaluation of gender variations in digital fingerprint ridge density and influence of hand dimensions in Gujarati ethnicity.	1 year	27/04/2024	20,000	AIIMS – RAJKOT
14	IM/F/14/2024-25	Dr. Pradip chauhan	Histological study of the intrahippocampal blood vessels, cerebral mass and proposing a new classification of the cerebrovascular branching pattern in humans.	2 years	27/04/2024	1,59,425	AIIMS – RAJKOT
15	IM/F/15/2024-25	Dr. Abhishek Padhi	Clinical and molecular correlates of metronidazole resistance in Trichomonas vaginalis: A cross - sectional study.	2 years	27/04/2024	3,75,000	AIIMS – RAJKOT
16	IM/F/16/2024-25	Dr. Pradip Barde	Predicting anemic status from clinical site images using Artificial Intelligence.	2 years	27/04/2024	19,372	AIIMS – RAJKOT
17	IM/F/17/2024-25	Dr. Parth Goswami	Statistical comparison of basic coagulation and platelet parameters among type 2 Diabetic patient with microvascular complication, without complication and non-Diabetic persons at tertiary care Institute - A Cross-sectional comparative study.	2 years	27/04/2024	1,08,771	AIIMS – RAJKOT
18	IM/F/18/2024-25	Dr. Mayuri Bhise	Evaluation of Anti-HBs antibody titres and assessing the immune response among healthcare workers vaccinated against Hepatitis B in AIIMS Rajkot.	2 years	27/04/2024	1,20,000	AIIMS – RAJKOT
19	IM/F/19/2024-25	Dr. Gyanendra Singh	Assessment of tumour micro - environment and clinicopathological significance of T-regulatory cell markers foxp3 and ctla - 4 expression in patients with oral squamous cell carcinoma.	2 years	27/04/2024	1,85,783	AIIMS – RAJKOT



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20	IM/F/20/2024-25	Dr. Kapil Jetha	A study on the relation between headache severity with Serum Vitamin D and Magnesium levels in children with recurrent Primary headache.	2 years	27/04/2024	1,42,508	AIIMS – RAJKOT
21	IM/F/21/2024-25	Dr. Pinky Meena	Lipoprotein a level and its correlates, in children and adolescents of Saurashtra region in India: Cross Sectional Study.	1 year	27/04/2024	2,91,585	AIIMS – RAJKOT
22	IM/F/22/2024-25	Dr. Patnana Arun Kumar	Evaluating the disinfection effectiveness of two different irrigation needles in primary teeth - A Randomized Controlled Trial.	2 years	27/04/2024	1,24,077	AIIMS – RAJKOT
23	IM/F/23/2024-25	Dr. Medhavi Sharma	Mapping heterogeneity in polycystic ovarian syndrome: Integrating clinical, endocrinological, body composition analysis and vagosympathetic tone - A prospective pilot study.	2 years	27/04/2024	3,63,845	AIIMS – RAJKOT
24	IM/F/24/2024-25	Dr. Punkhuri Dubey	Clinico-mycological trends in vulvovaginal candidiasis identified in Gynecology Outpatient at AIIMS Rajkot.	2 years	27/04/2024	1,05,698	AIIMS – RAJKOT
25	IM/F/25/2024-25	Dr. Anjali Modi	A mixed-methods research on prevention and perception of cancers in women among health care providers in India.	18 months	27/04/2024	26,000	AIIMS – RAJKOT
26	IM/F/26/2024-25	Dr. Ramotra Rohini Krishan	Ophthalmic artery doppler in the prediction of late onset Pre Ecampsia.	2 years	27/04/2024	58,282	AIIMS – RAJKOT
27	IM/F/27/2024-25	Dr. Rohin Garg	Exploring the relationship of anthropometrics, body composition characteristics and muscle endurance as correlated factors of static balance among adult population.	2 years	27/04/2024	15,000	AIIMS – RAJKOT
Intramural Non-Funded							
1	IM/NF/02/2024-25	Dr. Yashdeep Pathania	To Study the prevalence of Anti-tyroid Peroxidase antibodies and C-Reactive protein serum levels in patients with late onset vitiligo.	2 years	27/04/2024	NA	NA



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2	IM/NF/03/2024-25	Dr. Akshat Gupta	Sensitivity of Measurements Taken in the Anteroposterior View Versus Those in the Flexion Posteroanterior View to the Extent and Severity of Knee Osteoarthritis: A Double-Blind Randomized Control Trial.	2 years	27/04/2024	NA	NA
3	IM/NF/04/2024-25	Dr. Garima Upreti	Assessment of Vestibular and Balance Function in Diabetes Mellitus patients without Dizziness/Vertigo Symptoms.	1 year	27/04/2024	NA	NA
4	IM/NF/05/2024-25	Dr. Mamta Singh	Visual field defect in Indian driving license holding population: A hospital-based study.	1 year	27/04/2024	NA	NA
5	IM/NF/06/2024-25	Dr. Abhishek Mishra	Does thermotherapy lead to decreased analgesic requirement in patients with osteoarthritis of knee managed non-surgically.	1 year	27/04/2024	NA	NA
6	IM/NF/07/2024-25	Dr. Bhautik Modi	Evaluation of Universal Immunization Program under Co-WIN (U-WIN) initiative with reference to routine Immunization program.	1 year 6 months	27/04/2024	NA	NA
7	IM/NF/08/2024-25	Dr. Sumit Bansal	Efficacy and safety of oral Magnesium vs. oral zinc in the post - operative sore throat (POST): A prospective, randomized, Double - blind, placebo - controlled study.	2 years	27/04/2024	NA	NA
8	IM/NF/09/2024-25	Dr. Kedar Nimavat	Analysis of clinical profile of patients aged more than 8 years with dry eye disorder attending tertiary care centre eye OPD.	1 year	27/04/2024	NA	NA
9	IM/NF/10/2024-25	Dr. Lalit kumar Ratanpara	Radiological study for determining a better parameter between Critical Shoulder Angle and Acromio-Glenoid Angle for predicting development of Glenohumeral joint Osteoarthritis.	2 years	27/04/2024	NA	NA
10	IM/NF/11/2024-25	Dr. Jyotiranjana Das	A comparative study of otologic clinical presentations and endoscopic grading adenoid hypertrophy.	1 year 2 months	27/04/2024	NA	NA



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Departmental Non-Funded							
1	D/10/2022	Dr. Sundip Charmode	Biomechanical Analysis of Foot - Ankle Joint complex following its painful pathological conditions in patients coming to outdoor patient Department of AIIMS Rajkot.'	3 years	09/07/2022	NA	NA
2	D/14/2022	Dr. Sanjay Gupta	Impact of Basic Course in Bio- Medical Research on Medical Teachers and post - graduate students across India after Amendment Implemented by National Medical Commission.	18 months	09/07/2022	NA	NA
3	D/18/2022	Dr. Pradip B. Barde	Comparative assessment of association of autonomic function, psychological parameters and lung function test with body composition amongst the police personnel and general population in Rajkot	2 years	09/07/2022	NA	NA
4	D/21/2022	Dr. Suman Bodat	School Based interventional study on Mosquito borne diseases awareness and control in Rajkot City.	6 months	09/07/2022	NA	NA
5	D/24/2022	Dr. Siddhartha Dutta	A systematic Analysis of COVID- 19 clinical Trials Registered in clinical Trial Registry of India: Across sectional study	1 year	14/02/2023	NA	NA
6	D/26/2022	Dr. Naresh Parmar	Prevalence of Risk of Obstructive Sleep Apnoea (OSA) in general population in the western region of Gujarat.	2 years	17/03/2023	NA	NA
7	D/27/2022	Dr. Shubha Singhal	Doctor- patient communication practices: A cross-sectional survey on Indian Physicians.	12 months	14/02/2023	NA	NA
8	D/29/2022	Dr. Krupal J. Joshi	Comparison of Ice Lined Refrigerators of the different types used in Gujarat under the Universal Immunization Program.	14 months	17/03/2023	NA	NA
9	D/31/2022	Dr. Pradip Chauhan	Impact of Immersive Virtual Reality in conceptualization of Anatomy.	1 year	14/02/2023	NA	NA
10	D/32/2022	Dr. Garima Upreti	Pattern of recreational noise exposure in youth.	1 year	14/02/2023	NA	NA



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11	D/34/2023	Dr. Mamta Singh	Should the perimetry test be made essential before issuing/renewing a driving license?	1 year	17/03/2023	NA	NA
12	D/35/2023	Dr. Deepak Parchwani	Verification of reference interval of various clinical chemistry tests using patient results with KOSMIC and Hoffmans indirect methods	1 year	14/02/2023	NA	NA
13	D/36/2023	Dr. Sweta Soni	Assessment of 5 A's of Human Papilloma Virus (HPV) Vaccination: Awareness, Attitude, Apprehension, Action expected and Acceptability Amongst Health Care Provider, Medical Students, Para-Medical and Administration Staff in AIIMS Rajkot.	05 months	29/04/2024	NA	NA
14	D/37/2023	Dr. Sagar Dholariya	Unveiling the utility of AI for prediction diagnosis and progression of kidney disease in patients with type 2 diabetes melitus: An evidence based systematic review.	06 months	29/04/2024	NA	NA
15	D/38/2023	Dr. Aishwarya Tejan Bhatt	Central compartment atopic disease: phenotypic charctrization amongst chronic Rhinosinusitis patients	06 months	29/04/2024	NA	NA
16	D/39/2023	Dr. Patnana ArunKumar	Effectivness of hand and rotary instrumentations during biomechanical preparation in primary teeth - An umbrella review.	1 Year	29/04/2024	NA	NA
17	D/40/2023	Dr. Praful Pujari	Comparison of efficacy of 4% Articaine & 2% Loidocaine in maxillary buccal infiltration during dental procedures - A systematic review.	1 Year	29/04/2024	NA	NA
18	D/41/2023	Dr. Aditya Kulkarni	Accuracy of static and dynamic computer assisted implant surgery: systematic review.	1 Year	29/04/2024	NA	NA
19	D/42/2023	Dr. Garima Anandani	Gamification in pathology: mode of improving the subject understanding and academic performance of Indian medical undergraduates at AIIMS - Rajkot.	1 Year	29/04/2024	NA	NA



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20	D/43/2023	Dr. Abhilasha Motghare	Comparison of Peytons method versus video-based demonstration method to teach endotracheal intubation to final year medical undergraduate students.	1 Year	29/04/2024	NA	NA
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