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AIIMS Bibinagar



Director Prof **Vikas Bhatia**
MBBS, MD (Community Medicine)

Founder Executive Director, All India Institute of Medical Sciences, Bibinagar (Telangana)
Founder Dean, All India Institute of Medical Sciences, Bhubaneswar (2012-19)
Editor-In-Chief: Indian Journal of Community and Family Medicine Health Officer / Officer Incharge, Health Section, UNICEF (2004-2007) Bharat Jyoti Award (2017) and Best Citizens of India Award (2017) recipient

MESSAGES

It is not the fruits of scientific research that elevate a man and enrich his nature, but the urge to understand, the intellectual work, creative or receptive.

- Albert Einstein

Established with the objectives of providing affordable, accessible, and cost-effective healthcare and imparting quality medical education and training, cutting-edge biomedical research constitutes the third important mandate of AIIMS, Bibinagar. Research is an integral element of an academic institute and remains vital in the creation and application of new knowledge.

With the changing demography, diverse socio-cultural milieu and increasing double burden of emerging infectious diseases and chronic non-communicable diseases, India faces unique healthcare challenges. The Covid pandemic has taught us, the truly essential role of rapidly evolving global research, whether it is vaccine development, treatment, protective measures, monitoring ids, guideline development, surveillance and monitoring of complications. Therefore, our thrust areas in research must be aligned with the diseases of public health importance and sustainable development goals; while being responsive to the changing needs of the country. Community and patient-focused collaborative interdisciplinary translational research is the need of the hour to develop novel methods of diagnosis, treatment, and prevention, ultimately improving the health of the people. Towards this end, AIIMS Bibinagar is committed to provide an excellent research infrastructure and to build a culture of research across all levels.

Establishment of the Institute Research Cell and the Institute Ethics Committee were the important first steps taken up in this direction by AIIMS, Bibinagar. A strong mandate for research being the guiding principle, led to appointment of Dean (Research), Associate Dean Research, Member secretary IRC and IEC and creating a strong Scientific Advisory Committee very early in our journey. This empowered the Institute Research Cell to establishing MoU's with several other centers of excellence, establish guidelines for conduct of research, release and monitor intramural projects and extramural projects. Their consistent efforts have resulted in 27 ongoing intramural projects and 15 extramural projects in a span of one year, which is truly commendable for a young institution such as ours. Further, the vast number of scientific publications is a testimony to the research aptitude of this institute.

This book aptly showcases the strides made in the last one year. I congratulate the Institute Research Cell and all the faculty and the students for their achievements within a short span of time. Let us focus our efforts to become a leading global healthcare and biomedical research institute.



Prof G Suryanarayana Raju

MS., MCh., FRCS., FUICC Member,
Medical Assessment and
rating Board, National Medical Commission,
Chairman, IEC, AIIMS Bibinagar.
Former Director, Asvins Specialty Hospitals, Hyderabad
Dean of Research and Projects, Nizams Institute of Medical Sciences,
Hyderabad Senior Professor and Head of Department,
Surgical Oncology, NIMS, Hyderabad

MESSAGES

All India Institute of Medical Sciences, Bibinagar was established in the year 2019, by the Government of India to provide high-quality patient care, medical education and advanced clinical research. To promote an atmosphere of academics and research from the inception of the AIIMS, Bibinagar, the Executive Director, Prof Vikas Bhatia, has constituted Institutional Ethics Committee (IEC) on 18th November 2020.

IEC is mandatory requirement as per the ICMR, which is overseeing body of medical research in India. IEC is an Independent body constituted with medical, non- medical, scientific and other members whose responsibility is to ensure the protection of the rights, safety and well-being of human subjects involved in the clinical trial. Research is an integral part of medical education and should be mandatory for every institution. It is also an essential part of scientific practices. IEC oversees the implementation of federal regulations and review of hospital protocols of treatment. IEC maintains the ethics in research and safeguards the interests of the subjects, who volunteer to participate in research and appropriately guides the researchers. The institutional ethics committee placed an important role in guiding the researchers by reviewing the proposals to know the scientific content and the risk involved to the volunteers subjects. IEC aims to ensure no or least harm directly or indirectly to both study subjects and researchers in health-related interventions. IEC gels to mitigate legal implications during and after completion of the research. IEC facilitates publication of the results of the research. Ethics are concerned with the distinction between Right and Wrong, with moral choices, duties and obligations.

As expected the faculty and residents are enthusiastic in submission of research projects of simple observations to multicentre trials. I appreciate the faculty for encouraging 2nd year medicine students to involve in research. If the same trend continues, more and more students will actively participate and publish at least one original article, by the time they complete their graduation. I request the Dean, AIIMS to encourage every student to participate at least in observational studies to inculcate the research culture.

AIIMS, Bibinagar has unique advantages of having advanced Research laboratories in Hyderabad like Centre for DNA Fingerprinting and Diagnostics (CDFD), Centre for Cellular and Molecular Biology (CCMB), Indian Institute of Chemical Technology (IICT), National Institute of Nutrition (NIN) and several pharmaceutical and vaccine producing multinational companies for any collaborative research projects. Not only to start research projects, this will enable the institute to generate extra mural grants. Together, this should consequence in as many patents, out of the research.

I wish the faculty, residents and students to avail the research facility created in AIIMS, Bibinagar Telangana state and lead in research amongst all the medical institutions in the country.

RESEARCH SECTION

Research is seeing what everybody else has seen and thinking what nobody else has thought"
Albert Szent Gyorgyi (Nobel prize 1937)

Institute vision:

To emerge as a leading global healthcare institute offering a quality medical education in disciplined fields, scientific research opportunities and foster healthcare training to students inculcating in ethical and moral values for sustainable community development.

Institute Mission:

- To establish a center of Excellence in medical education and training.
- To provide a high quality community patient-focused health care that is readily accessible, cost-effective and meets the needs of the communities.

Research cell objectives:

- To make research a part of the culture in the Institute.
- To integrate and blend Research with Academics and Clinical medicine at all levels in the Institution.
- To inculcate a desire to do quality research by faculty and students
- To promote periodic participation of faculty and students in conferences, workshops and seminars
- To collaborate with State, National and International Institutes in doing socially relevant research
- To encourage holistic translational interdisciplinary research that has a significant impact on better patient care and management guidelines, contribute to community well being and add to national and global policies
- To promote interdisciplinary studies and create needful facilities that enhance research and innovation
- To monitor and administer Research programs for faculty and students and encourage them to have rational approach in their academic activities

Scientific Advisory COMMITTEE

The scientific advisory committee is composed of ten internationally recognised experts representing various disciplines of health sciences.

This committee is headed by Prof Yogesh Chawla as the Chairperson. his committee is headed by Prof Yogesh Chawla as the Chairperson. SAC supports research activities in a more planned and scientific manner.

The composition of the committee is furnished herewith.

- 1 Prof Yogesh Kumar Chawla** MBBS, MD Internal Medicine, DM Gastroenterology, FAMS-Chairperson
- Padma Shri and BC Roy award recipient
 - Former Director PGIMER Former Prof. & Head, Department of Hepatology PGIMER, Chandigarh

Presently:

- Chairman Academics and Professor Emeritus Kalinga Institute of Medical Sciences (KIMS), Bhubaneswar
 - Member Institute Body AIIMS Bhubaneswar
- Areas of Interest: Liver transplantation, ALF, ACLF

2 Prof Vikas Bhatia

- Founder Dean of AIIMS, Bhubaneswar (2012-2019)
- Professor and Head, Dept. of Community Medicine and Family Medicine at AIIMS, Bhubaneswar
- Bharat Jyoti Award (2017) and Best Citizens of India Award (2017) recipient

Presently:

Executive Director AIIMS, Bibinagar, Telangana

3 Prof Rahul Narang MBBS, MD Microbiology, PhD, MBA

- Trained in the Harvard Medical School on Airborne Infection Control, National Reference TB Laboratory, Ethiopian Public Health Institute, Addis Ababa by CDC Atlanta in Implementation of Newer TB Diagnostics.
- Dr Rahul has worked with Foundation for Innovative New Diagnostics (FIND), Geneva as a consultant for two years in Ethiopia.
- 23 years of experience as a faculty

Presently:

Dean AIIMS Bibinagar and Professor & Head, Department of Microbiology, AIIMS, Bibinagar, Telangana



7 Dr Madhuri Taranikanti BBS, MD Physiology, FAIMER Fellow

- Life Member – Association of Physiologists and Pharmacologists of India (APPI)
- Associate Member of American Association for Cancer Research (AACR)
- Member, The Physiological Society, London
- Life Member, Association of Medical Educationists, India

Presently:

Additional Professor in Department of Physiology, AIIMS, Bibinagar



8 Dr S. Siddharth Rao MBBS, MS General Surgery

- Life member of World association of Laparoscopic Surgeons

Presently:

Associate Professor & Head in the Department of Surgery, AIIMS, Bibinagar



9 Dr Rajendra Prasad Anne MBBS, MD Pediatrics, DM Neonatology

- Member of National Neonatology Forum (NNF) guideline development group (GDG)

Presently:

Assistant Professor in the Department of Pediatrics, AIIMS, Bibinagar



10 Dr Vaman Kulkarni MBBS, MD Community Medicine

- Winner of The Manipal University Research contribution award for the years 2012-20
- External assessor for Iodine Deficiency Disorder control program in Karnataka State
- External assessor for Kayakalpa activity for 8 health facilities of Dakshina Kannada district 2020

Presently:

Assistant Professor in the Department of Community Medicine, AIIMS, Bibinagar



4 Dr Kiran Kumar Gudivada MBBS, MD Anaesthesiology, DM Critical Care Medicine

- Member of American Society for Parenteral and Enteral Nutrition
- Member of Indian Society of Critical Care Medicine
- Member of Indian Society of Anaesthesiology

Presently:

Associate Professor in the Department of Anaesthesiology, AIIMS, Bibinagar



5 Dr Meely Panda MBBS, MD Community Medicine

- Editorial board member of 'Indian Journal of Communicable Diseases (IJCD)', IJHA (Indian journal of hospital administration) and JHER (Journal of Health and Environmental Research)
- ToT and National Resource person for improving MIYCN – maternal, infant and young child nutrition and its integration into the medical colleges in UP and Bihar by Alive and Thrive, BMGF, New Delhi. (2017 – 2019)
- Nodal Person for conducting NAFLD – NPCDCS in collaboration with ILBS, New Delhi. (2021)
- Facilitator and Course Coordinator for Level 2 Quantitative Research Methodology curriculum under IAPSM. (2021)

Presently:

Assistant Professor in the Department of Community Medicine, AIIMS, Bibinagar



6 Dr Debasis Bisoi MBBS, MD Pharmacology, DM Clinical Pharmacology

- Seven years of experience in Teaching and Research
- Several National & International publications

Presently:

Assistant Professor in the Department of Pharmacology, AIIMS, Bibinagar



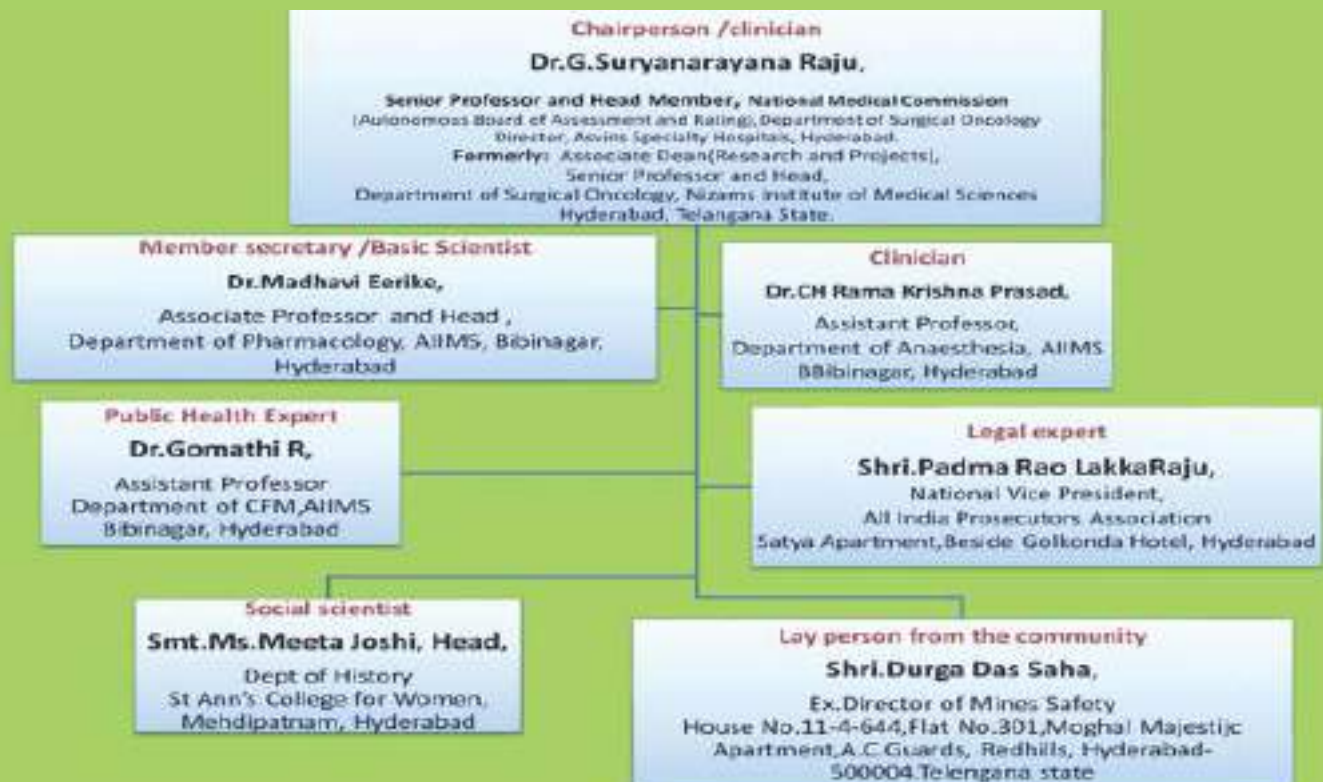
Institutional Ethics Committee

Bio medical research involves a number of ethical issues that need to be addressed. The Institutional Ethics Committee (IEC) plays an important role in guiding researchers in the ethical aspects associated with the biomedical research as well as Clinical trials. Apart from ethical issues, IEC also reviews the research proposals for the scientific relevance and risk to the participants during research. The main responsibility of IEC is to safeguard the dignity, rights, safety and wellbeing of research participants.

The AIIMS BBN-IEC was constituted on 18 November 2020 by Dean (Academics) in consultation with the Executive Director. The chairman of this committee is Dr. Suryanarayana Raju, Former Dean Research, Senior Professor and Head of the Department of Surgical Oncology NIMS Hyderabad and Dr. Madhavi Eerike, Assoc. Prof of Pharmacology as Member Secretary. It functions independently and as per the ICMR National Ethical Guidelines for Biomedical and Health Research involving Human Participant-2017 (ICMR National Ethical Guidelines) and New Drugs and Clinical Trials Rules 2019 (NDCTR 2019).

AIIMS BBN-IEC has already registered with Central Drug Standard Control Organization (CDSCO) and National Ethics Committee Registry for Biomedical and Health Research (NECRBHR), Department of Health Research (DHR).

After its constitution, a total of six meetings were conducted and the first meeting of the IEC was organized on 11th February 2021. Nearly 160 research proposals were reviewed during these meetings. The AIIMS BBN-IEC members underwent GCP training on 12 August 2021, which is mandatory requirement for any new IEC member. A separate web page in the AIIMS Bibinagar website was created for the activities related to the IEC.



DISCUSSIONS

- Total number of meetings-5
- Total no of proposals reviewed- 145



S.No	Date of meeting	Meeting number	No of proposals reviewed
1	16 Feb 2021.	First meeting	18
2	24 April 2021	Second meeting	40
3	14 August 2021	Third meeting	32
4	25 September 2021	Fourth meeting	37
5	11 December 2021	Fifth meeting	18
6	12 March 2022	Sixth meeting scheduled on	

Research Facilities at AIIMS Hyderabad

Department of Pathology

Diagnostic and Research Services - Hematology



Deals with blood and bone marrow cells
Helps in diagnosing anaemia, infection, haemophilia, blood-clotting disorders, and leukaemia.

Diagnostic and Research Services - Histopathology



- * Microscopic examination of tissues
- * Responsible for making tissue diagnosis and helping clinicians
- * The gold standard test in determination of diseases

Diagnostic and Research Services - Cytology



- * Examines a single cell type
- * Mainly used for screening and diagnosis for cancer
- * Also examines cells shed naturally or manually scraped or brushed (exfoliated) from the surface of our tissues

Molecular Biology Laboratory



- ◆ In the Department of Microbiology, the Molecular Biology Section was established in 2021 to cater to the need of people in and around Bibinagar for COVID Diagnostics.
- ◆ Over 30,000 samples have been processed since its inception.
- ◆ The section is equipped with, Laminar Air flow, Biosafety cabinets (Class II A), two Real time PCR Machines (Quant Studio 5 & Bio-Rad), -20OC & 80OC Deep Freezers.

Serology Laboratory



- ◆ The Serology Section has processed over 6000 serological tests so far, including Rapid Antigen and Antibody detection tests, Latex Agglutination tests & ELISA tests.
- ◆ This section is equipped with an Automated ELISA System with Reader and Washer, Centrifuge & VDRL shaker

Clinical Chemistry Lab



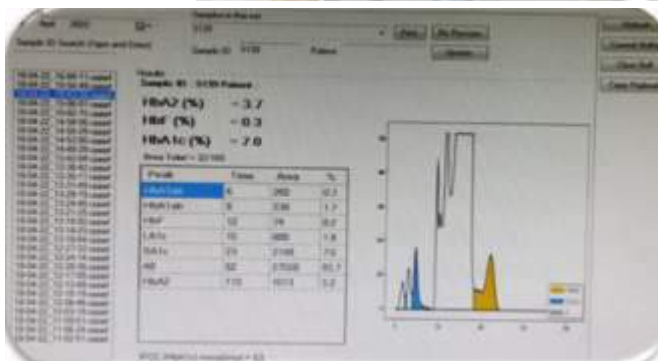
Fully Automated Analyzer



Electrolyte Analyzer

- ◆ Measurement of electrolytes in the shortest Turn around time thus aiding in management of emergencies.
- ◆ Measurement of all routine clinical chemistry parameters such as blood glucose, urea, creatinine, lipid profile, liver function tests etc. aiding in the diagnosis of various disorders.

HPLC based Hb Variant analysis Lab



- ◆ Measurement of HbA1c (Glycosylated Hemoglobin) which tells us the status of glycemic control in a patient.
- ◆ Measurement of levels of different types of Hb and thus aid in the diagnosis of various hemoglobinopathies such as sickle cell anemia, thalassemia, HPFH, HbD, HbE etc.

Computerized Spirometry



- ◆ Measurement of various parameters of Pulmonary Physiology
- ◆ To evaluate physical fitness and effects of physical training
- ◆ Detect the type of Respiratory disease- Obstructive/Restrictive
- ◆ Evaluation of the disease and its response to therapy
- ◆ Provide valuable clinical information on disease progress
- ◆ To assess lung functions before anesthesia and surgeries
- ◆ Early diagnosis of occupational lung disorders

Electroencephalogram



INDICATIONS

- ◆ Seizure disorders including epilepsy
- ◆ Sleep disorders
- ◆ Stroke
- ◆ Brain tumors
- ◆ Brain damage from head injury
- ◆ Inflammation of brain
- ◆ Dementia

Digital Thermesthesiometer



INDICATIONS

- ◆ Patients with neuropathic pain
- ◆ Long standing Diabetic Neuropathy
- ◆ Neuropathic pruritus
- ◆ B12 deficiencies
- ◆ Herpetic Neuralgia

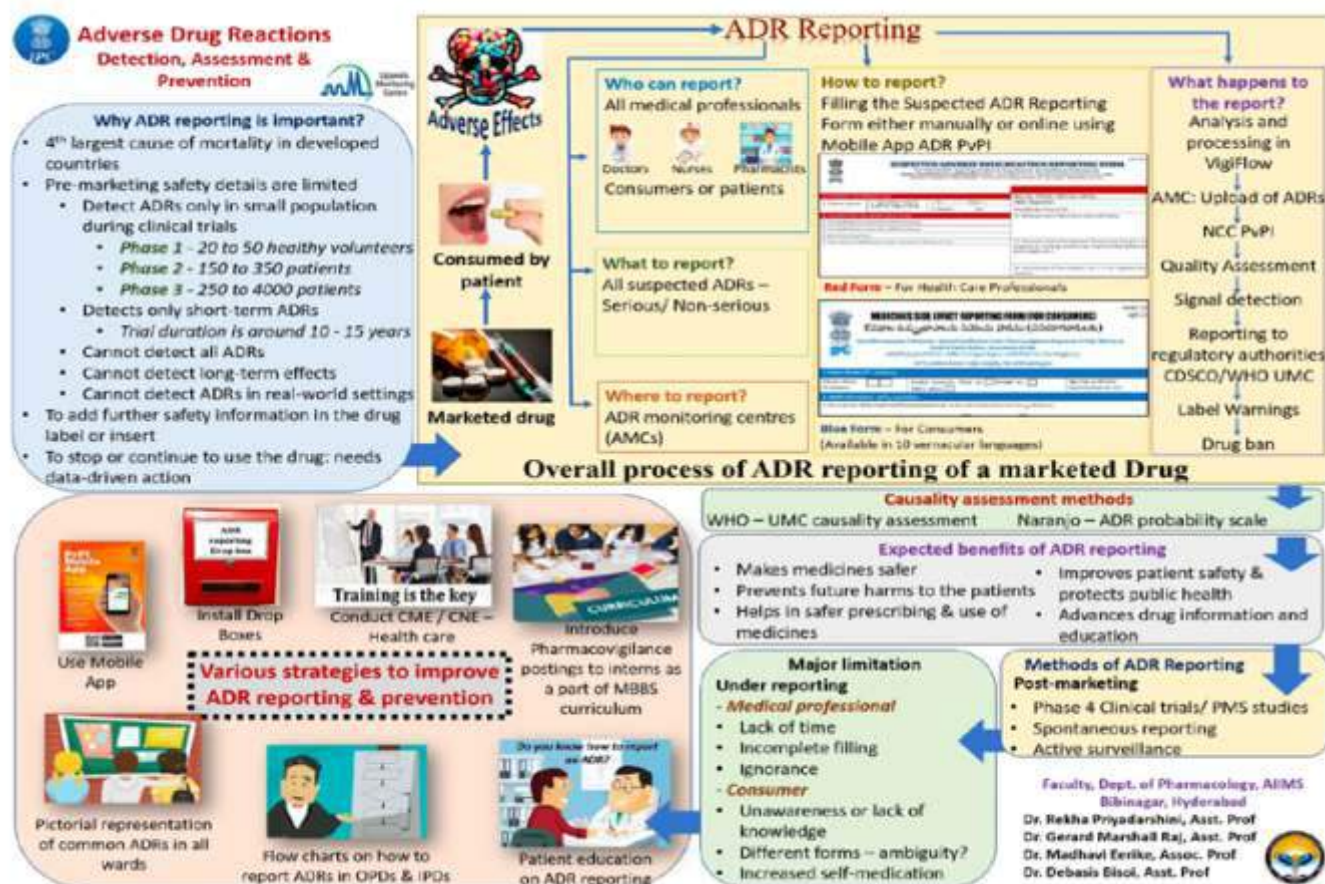
Results After adjusting for multiple comparisons (Bonferroni correction) the difference found in the glycemic response between the "GG" genotype and "AG/AA" genotype groups of the SLC47A2 gene was not significant ($p=0.027$; which was greater than the critical value of 0.025). Patients with "GG" genotype showed a 5.5% decrease in HbA1c from baseline compared to those with the "AG/AA" genotype (0.1% increase). The SNP in the SLC47A1 gene also did not influence the glycemic response to metformin ($p=0.079$). The median dose requirements based on the genotypes of the rs12943590 variant ($p=0.357$) or rs2289669 variant ($p=0.580$) were not significantly different. Similarly, there was no significant difference in the occurrence of adverse effects across the genotypes in both the SLC47A1 ($p=0.615$) and SLC47A2 ($p=0.309$) genes.

Conclusions

The clinical response to metformin was not associated with the SNPs in the SLC47A1 and SLC47A2 genes coding for the multidrug and toxin extrusion protein (MATE) transporters. Furthermore, the studied SNPs had no influence on the dose requirement or adverse effects of metformin.

1. Dr. Rekha Priyadarshini, Asst. Professor, Dept. of Pharmacology, won the third prize in the E-poster presentation on the theme "Adverse Drug Reactions: Detection, Assessment & Prevention" in the CME on "Awareness and Sensitization on Pharmacovigilance and ADR Reporting" organized by the Dept. of Pharmacology, AIIMS, Mangalagiri, Guntur, Andhra Pradesh on 10th April 2021.

<https://www.aiismmangalagiri.edu.in/wp-content/uploads/2021/04/Results-of-the-Poster-Competition-of-the-CME-on-Pharmacovigilance-and-ADR-Reporting-scaled.jpg>



3. Dr Rohit Saluja, Assistant professor, Department of Biochemistry - AWARD Poster

Title-Elucidating the potential role of Interleukin-33,sST2, and IgE in asthmatic patients

Authors-Himadri Singh¹, Alkesh Khurana², Ashok Kumar¹, Rohit Saluja^{3*}

Author's affiliation-

1. Department of Biochemistry, All India Institute of Medical Sciences, Saket Nagar, Bhopal
2. Department of Pulmonary Medicine, All India Institute of Medical Sciences, Saket Nagar Bhopal
3. Department of Biochemistry, All India Institute of Medical Sciences, Bibinagar, Telangana *E-mail: drrohitsaluja@gmail.com

Introduction: Asthma is characterized by reversible airflow obstruction, increased immunoglobulin(Ig) E production, infiltration of eosinophils to the lungs, and lower Force Expiratory Volume in 1s(FEV1). Various cells and cytokines play a critical role in exacerbating the inflammatory response in asthma. Interleukin-33 (IL-33) is a newly discovered cytokine that plays a major role in various inflammatory diseases. IL-33 signals via a heterodimer composed of ST2 and IL-1 receptor accessory protein (IL-1RAcP). The role of IL-33 in asthma is not yet precisely explored.

Objective: To estimate the serum levels of IL-33, soluble ST2 (receptor of IL-33), and IgE in asthmatic patients and healthy subjects and further analyze their correlation with clinical parameters such as absolute eosinophil count (AEC) and FEV 1.

Material and Methods: A case-control study of 157 subjects was conducted, including 100 asthmatic patients and 57 healthy subjects. IL-33, sST2, and IgE were detected in the serum of asthmatic patients and healthy control by using ELISA kits. AEC was estimated by flow cytometry, and FEV1 was evaluated by spirometry.

Results: In asthmatic patients, the serum level of IL-33 and IgE were found to be significantly increased in asthmatic patients as compared to healthy subjects. However, the levels of sST2 were found to be lower in asthmatic patients.

Conclusion: This study helps to understand the biological function of IL-33 and its receptor sST2 in asthma. IL-33 may be a novel inflammatory marker for asthma.

Keywords: Interleukin-33, Immunoglobulin E, Soluble ST2, Absolute Eosinophil count



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सत्यमेव जयते

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MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan, New Mehrauli Road,
New Delhi - 110016



F.No. 14/823/2021-TU-V

Date: 3rd December 2021

**The Director & CEO
All India Institute of Medical Sciences,
Bibinagar, Hyderabad Metropolitan Region,
Telangana-508126**

**Subject: Recognition of Scientific and Industrial Research Organisations
(SIROs).**

Dear Sir,

This has reference to your application for recognition of **All India Institute of Medical Sciences, Bibinagar, Hyderabad, Telangana** as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord recognition to **All India Institute of Medical Sciences, Bibinagar, Hyderabad, Telangana** from **28.10.2021 to 31.03.2024**. The recognition is subject to terms and conditions mentioned overleaf.

3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,


(Dr. P.K. Dutta)
Scientist - 'F'

C) Sepsis Awareness Program

(13th And 15th September 2021)

Sepsis Research Group, AIIMS Bibinagar conducted two programs on 13th September and 15th September on the occasion of World sepsis day.

A CME was organised on 13 Sept 21 for all the faculty and nursing officer's. Dr. Neeraj Agarwal Medical Superintendent, Dr. Nithin Ashok John Officiating Dean, Dr. Sangeetha Sampath Professor incharge Research graced the occasion. Dr. Kiran, Dr. Mounika, Dr. Shailu and Dr. Bhushan delivered topics related to importance of sepsis pathogenesis, diagnostic, management and preventive roadmap.

On 15th September 2021 Sepsis Research Group went to the community at PHC, Bommallaramam and conducted an awareness program related to hand & water hygiene with skit demonstration by doctors and nursing officer's. Mothers from village with their children and JP high schools students attended the program.



E) Visit By Chairman Scientific Advisory Committee: Padmashri Professor Yogesh Chawla

- for review of academic and research activities at AIIMS Bibnagar

Dr Chawla addressed the batch of 2021 MBBS students on how to become successful doctors. He stressed that medical students and young doctors should inculcate professional values, gentle attitudes and behaviours while treating their patients. He also illuminated the path of future research, academics and the way forward. He attended presentations made by undergraduate students on their research projects. The initiative of involvement of undergraduate students in research by Institute was very well appreciated by him. He emphasised that this would help in the thinking and forming of research questions, increase creative thinking and deepen their classroom learning.

Overview of academic and research activities at AIIMS, Bibinagar was presented by Dr Rahul Narang (Dean, academics) and its team and Dr Sangeetha Sampath (Dean, research) and its team. Prof. Yogesh Chawla enlightened our final MBBS Students and residents on evaluating and assessment of chronic liver disease.



Our National And International Collaborations

Mouwithotherinstitutions:international

The Pennsylvania State University,
Applied Biological and Biosecurity Research Laboratory



MOUWITHOTHERINSTITUTIONS:NATIONAL



ICMR - National Institute of Malaria
Research, NewDelhi

NIPER, Guwahati



ICAR-IVRI, Izatnagar

Indian Institute of Public Health
Gandhinagar



Kalam Institute of HealthTechnology,
Visakhapatnam

CDFD,Hyderabad



MAARG Independent Ethics Committee,
Hyderabad

NIMS, Hyderabad



National Forensic Science University,
Gandhinagar

S.NO	Number	Title	PI	Source of Funding	Amount in Rs	Area of research
		of RSV disease in under – five children: India Case Study	Co-Pinvestigator			Infections in children
9	AIIMS/BBN/EM-F/2022/09	Uncovering The Genetic of Novel Salmonella Typhi Strains From Delayed Responders To Treatment	Dr. Sailu Yellaboina Co-Principal investigator	ICMR	Rs: 2,00,000/-	Genomics of salmonella
10	AIIMS/BBN/EM-F/2022/10	Study of factors influencing progression of neuropathy in type II diabetic patients using cutaneous nerve biopsy	Dr.Sumitra Sivakoti	TSCOST	Rs: 400000/-	Diabetic neuropathy
11	AIIMS/BBN/EM-F/2022/11	A pilot study to assess the effect of elevated fluoride levels on maternal fetal, neonatal and neuro developmental outcomes	Dr. Aparna Varma B	Discretionary Grants – Telangana Government	Rs: 10,00,000/-	Fluorosis in Telangana
12	AIIMS/BBN/EM-F/2022/12	Zoonotic Enteric Pathogen: Is it a hidden enemy in the Human–Animal interfaces? – A retrospective cohort study in children less than five years from a rural community of Telangana	Dr.Rahul Narang	ICMR	Rs: 25,27,295/-	Zoonosis
13	AIIMS/BBN/EM-F/2022/13	Predictors of breakthrough infection and re-infection of COVID-19 among Indian population a deep learning approach	Dr.Gerard Marshal	ICMR	Rs: 9,67,000/-	Covid 19
14	AIIMS/BBN/EM-F/2022/14	Multi-slice spiral CT scan study of surgical Anatomy of hepatic veins- application in living live donor liver transplantation	Dr.Alka Bhingardeo	ICMR	Rs:1,25,000/-	Applied Surgical anatomy
15 \\	AIIMS/BBN/EM-F/2022/15	Diabetes and Latent Tuberculosis Infection in primary care settings in selected districts of India: A cohort study (DiaLTB)	Dr.Gomathi .R - Co-Principal investigator	ICMR	Rs: 19,07,508/-	Tuberculosis
16	AIIMS/BBN/EM-F/2022/16	Development of millet – based dietary fiber for protection of allergic asthma by modulating gut microbiome derived short-chain fatty acids	Dr.Rohit Saluja Co-Principal investigator	ICMR	Rs: 5,00,000/-	Asthma

Sno	Number	Title	PI	BudgetinRs	Area of research
		Sickle cell anaemia in the newborns of Yadadri-Bhuvangiri and Warangal districts: A pilot study			
9	AIIMS/BBN/IM-F/2021/09	Serum levels of nitric Oxide metabolites in relation to body Mass Index and arterial stiffness in young individuals	Dr. Vidya Ganji	2,24,500	Nitric oxide in life style modification
10	AIIMS/BBN/IM-F/2021/10	Anatomical evaluation of venous drainage of liver and its associated variations by corrosion cast method	Dr. Alka Bhingardeo	Rs.82,400	Applied surgical anatomy in liver
11	AIIMS/BBN/IM-F/2021/11	Etiology of acute undifferentiated fever in Yadadri-Bhongir District has received IEC approval	Dr.R. Shyamala	4,98,750	Pyrexia of unknown origin
12	AIIMS/BBN/IM-F/2021/12	Diagnostic Efficacy of in house TB Loop Mediated Isothermal Amplification (LAMP) compared to conventional techniques in detecting Extra-pulmonary Tuberculosis for IRC approval.	Dr. Raja S	4,95,750	Tuberculosis diagnosis
13	AIIMS/BBN/IM-F/2021/13	Association of neurotrophic factors with Diabetic Neuropathy.	Dr. Archana Gaur T	3,74,000	Diabetic neuropathy
14	AIIMS/BBN/IM-F/2021/14	A study on the community prevalence and clinic-biochemical correlation of B12, folate and iron deficiency in adolescents in the district of Yadadri-Bhuvanagiri	Dr.Emine A Rahiman	4,99,500	Nutritional anemia
15	AIIMS/BBN/IM-F/2021/15	Safety and efficacy of Atropine 0.05% vs 0.01% for prevention of myopic progression in children	Dr. Siddharam S Janti	299600	Myopia in children
16	AIIMS/BBN/IM-F/2021/16	Genetic epidemiology of Familial Hypercholesterolemia in Yadadri-Bhongir district and neighboring districts of Telangana state submitted for IEC approval	Dr.Supriya Garapati	313,000	Familial Hypercholesterolemia
18	AIIMS/BBN/IM-F/2021/18	Histological Grading of Cartilage in Osteoarthritis of the knee joint and its Association with Metabolic Syndrome	Dr.Rohini Motwani	1,90,000	Osteoarthritis in metabolic syndrome

List Of Publications By Faculty

(2021-2022)

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Students Research

- To prepare young minds for a better understanding of concepts and theories, research is incorporated into undergraduate students. Faculty are included students as co-investigators in some of the simple non-funded projects.
- Besides developing undergraduate students' research and research-related skills, and providing adequate opportunities, a research grant for students was sanctioned by a Standing Academic Committee, to improve the quality of students' research. Funding up to Rs.10000/- per project for a research project for 4-5 students per batch per year was approved. Projects will be put up through the Head of Department to Research Cell for approval. Students will use their vacation/leave to complete the project and will be given a certificate by the institute on submission of the final project report. Students will be encouraged to publish their research also under the supervision of the faculty involved in the project.
- A total of 52 short term studentship (STS) projects were submitted to the ICMR for the year 2021-22.

Ongoing Student Projects

Name of Student Aditya Nemivant	Batch 2020	Title/Topic of Research Assessment of practices, the barriers associated with the implementation of Infant and young child feeding practices and impact of education on Infant and young child feeding practices in rural Telangana	Faculty/Guide Dr.A.Emaine Rahiman
All students of 2020 batch	2020	Leftover Medications – Reuse, Storage, and Disposal: A Community-Based Study Among Households of Southern States of India	Dr. Rekha Priyadarshini

2020 Batch In Conduct Of Community Study And Data Collection

From 7th to 9th of December 2021, the students were taken in three different batches to the houses located in Kondamadugu, Bibinagar, and Ghatkesar regions during the Pharmacology practical hours. The students had actively participated in this community outreach activity and also had interacted and educated the household population.

Mr. Prakash Raj and Ms. Dhana Lakshmi, 2nd year M.B.B.S. Students of 2020 Batch represented the view of their Batch with regards to their participation in this project on 7th March 2022 in the presence of Prof. (Dr.) Yogesh Chawla, Chairperson, Scientific Advisory Committee, AIIMS Bibinagar, Hyderabad. They were guided by Dr. Gerard and Dr. Madhavi during the presentation.

