

# BIRAC CTN - Diabetology

# Newsletter

Quarterly Newsletter : 12(December 2023 - February 2024)

## Introduction

The Clinical Trial Network (CTN) for Hospital Based Trial in Diabetology, housed within the Biotechnology Industry Research Assistance Council (BIRAC), plays a crucial role in fostering innovative research within the biotech sector in India, particularly in addressing the country's needs for product development in the field of diabetes. BIRAC serves as a vital interface, empowering emerging biotech firms to undertake strategic and innovative research initiatives.

The Multi-Centred Diabetic Registry, part of the Clinical Trial Network for Hospital-Based Trials in Diabetology, has seven locations around India and has been running for more than three years. A total 25,054 participants from all around India were engaged in this study as of December 31<sup>st</sup>, 2023. This registry is collecting data on patient who is known to have either Type 1 or Type 2 diabetes mellitus based on their medical records is seen at the hospital's outpatient department aged one year or older, male, female, or transgender.

As our teams from seven centres dive into innovative investigations, we learn about the major trends and new patterns in diabetes research. We're dedicated to expanding our collective understanding of diabetes, from creative methods to detecting risk factors. Discover the triumphs of our cooperative projects as researchers and medical experts from several institutions join together to address diabetes-related issues to find out how these collaborative efforts affect patient care and results.

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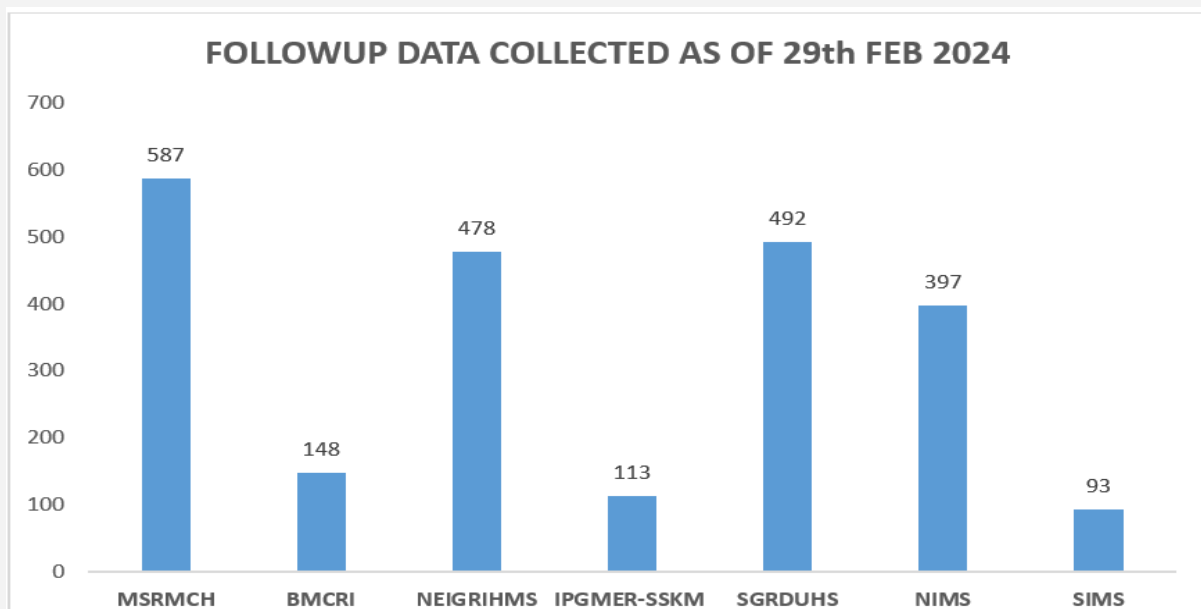
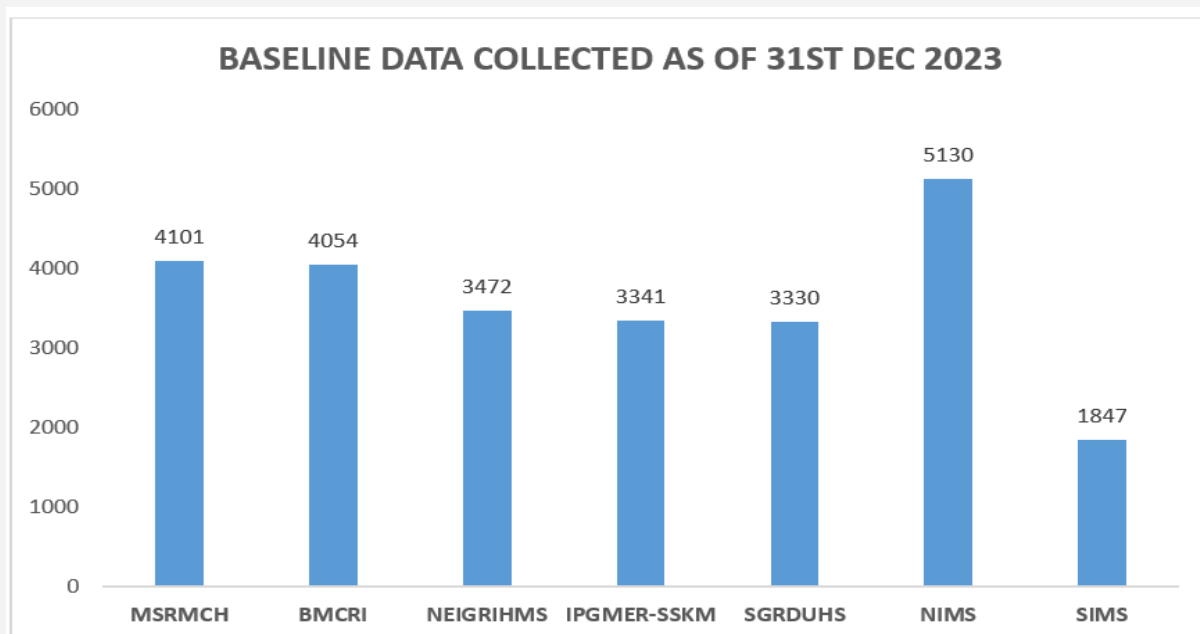
# JOURNEY SO FAR

Events held : From 1<sup>st</sup> December 2023 to 29<sup>th</sup> February 2024

## Diabetes Registry

The Hospital Based Multi Centric Diabetes Registry has captured baseline data of 25,054 participants as of 31<sup>st</sup> December 2023 and follow up data of 2312 participants as of 29<sup>th</sup> February 2024.

## Registry Recruitment status



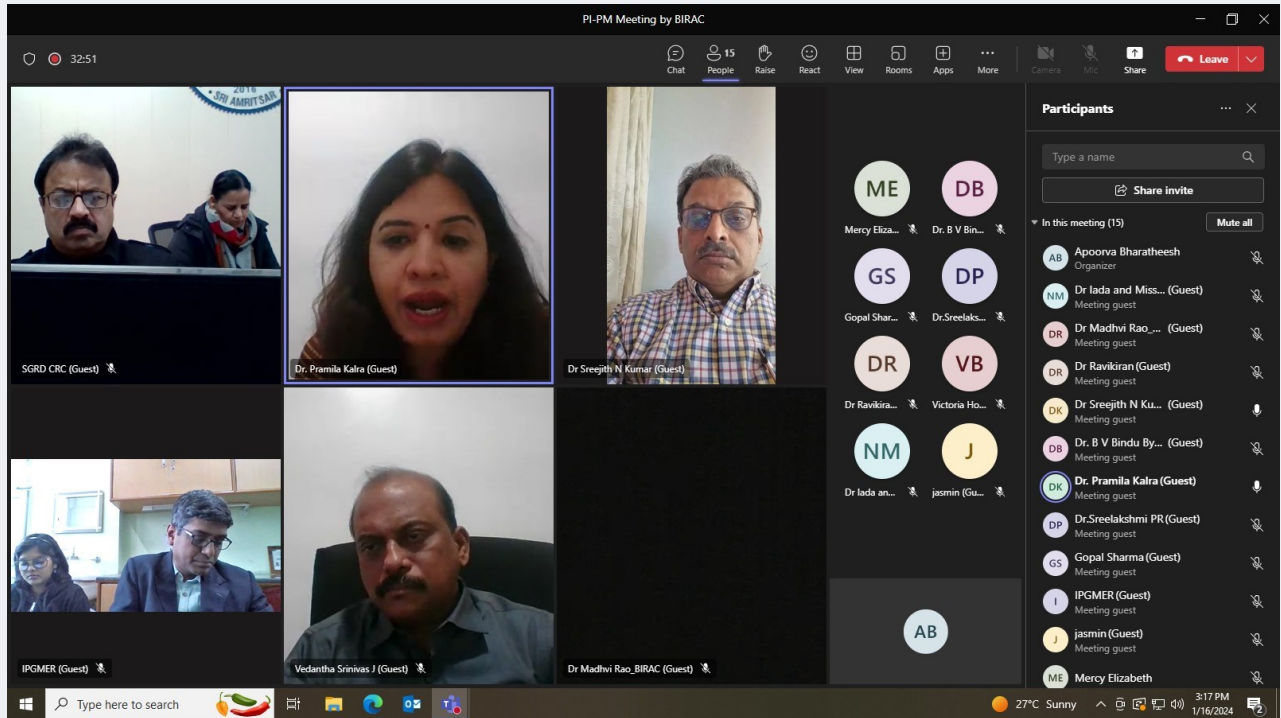
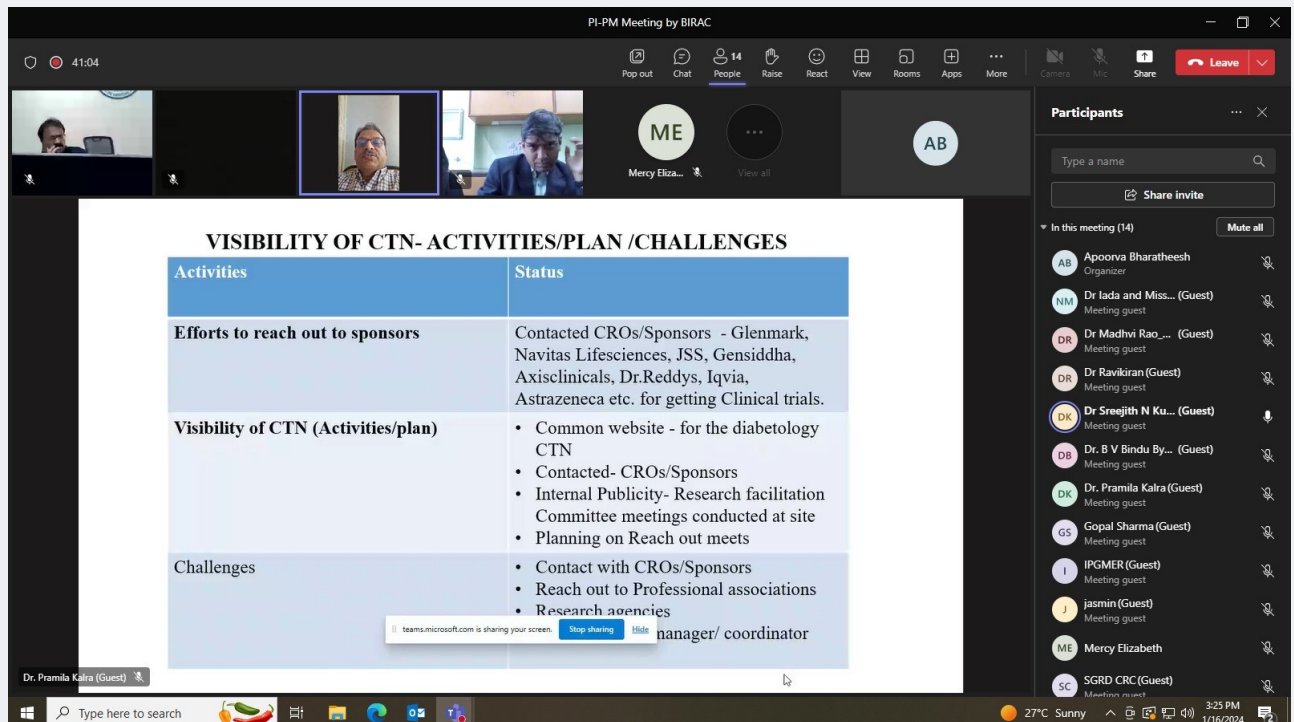
# RECENT EVENTS

**Global Bio-India 2023 - at New Delhi 4<sup>th</sup> - 6<sup>th</sup> Dec 2023**



# RECENT EVENTS

## PI-PM Meeting with BIRAC Team on 16<sup>th</sup> Jan 2024

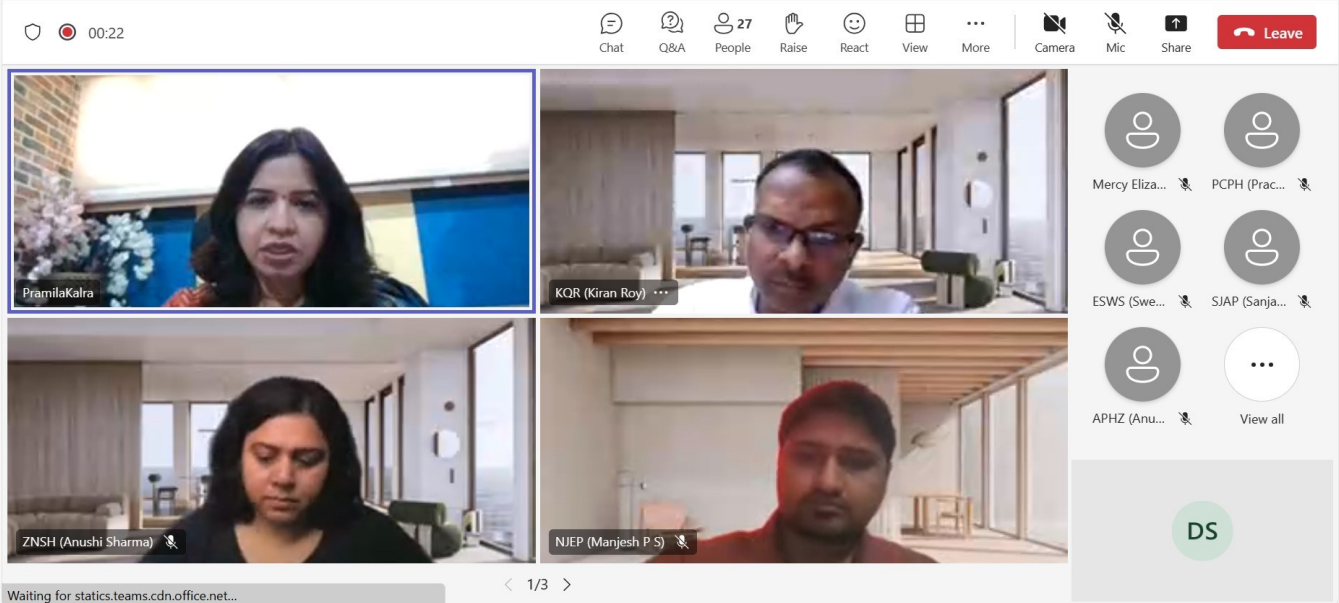



Activities	Status
Efforts to reach out to sponsors	Contacted CROs/Sponsors - Glenmark, Navitas Lifesciences, JSS, Gensiddha, Axiscinicals, Dr.Reddys, Iqvia, Astrazeneca etc. for getting Clinical trials.
Visibility of CTN (Activities/plan)	<ul style="list-style-type: none"> <li>Common website - for the diabetology CTN</li> <li>Contacted- CROs/Sponsors</li> <li>Internal Publicity- Research facilitation Committee meetings conducted at site</li> <li>Planning on Reach out meets</li> </ul>
Challenges	<ul style="list-style-type: none"> <li>Contact with CROs/Sponsors</li> <li>Reach out to Professional associations</li> <li>Research agencies</li> </ul>

# RECENT EVENTS

## ACTIVITIES IN NETWORK MODE

### Novo Nordisk Cardio-Metabolic Disorders Education Module on 10<sup>th</sup> & 13<sup>th</sup> Jan 2024



The first session for the Diabetes Module was taken by Dr. Pramila Kalra. Introduction to diabetes mellitus, epidemiology and pathophysiology, genetics and diabetics and diagnosis of diabetes mellitus was covered under the session followed by clinical posting in the endocrinology outpatient department at M S Ramaiah Memorial Hospital.



# RECENT EVENTS

## ACTIVITIES IN NETWORK MODE

### Novo Nordisk Cardio-Metabolic Disorders Education Module on 14<sup>th</sup> & 17<sup>th</sup> Jan 2024

42:57

Chat People Raise React View More Camera Mic Share Leave

In this meeting (28) Mute all

NJEP (Manjesh P S)

PCPH (Prachi Priyada...)

PMVA (Pramod V Abr...)

PNHT (Praveen Hanc...)

REUM (Renuka M)

RKBV (Rakshitha B V)

SJAP (Sanjana Prabh...)

SNBZ (Shravani Beza...)

ZNSH (Anushi Sharma)

TABLE 46-2 Useful Formulas for the Evaluation of Diabetic Ketoacidosis and Hyperglycemic Hyperosmolar State

1. Calculation of anion gap (AG):  
 $AG = [Na^+] - [Cl^- + HCO_3^-]$
2. Total and effective serum osmolality:  
Total =  $\frac{2 [Na^+] + glucose (mg/dL) + BUN (mg/dL)}{18} + \frac{2.8}{18}$   
Effective =  $2 [Na^+] + \frac{glucose (mg/dL)}{18}$
3. Corrected serum sodium:  
Corrected  $[Na^+] = \frac{1.6 \times glucose (mg/dL) - 100}{100} + [measured Na^+]$
4. Total Body Water (TBW) deficit:  
TBW deficit =  $[weight] \times \frac{[measured Na^+] - 140}{140}$

Dr. Chitra S (Guest)

Dr. Chitra S, trained participants on topics; acute and chronic complication & management of diabetes mellitus, microvascular complication and its management, macrovascular complication and its management followed by clinical posting in the endocrinology outpatient department of M S Ramaiah Memorial Hospital.



# RECENT EVENTS

**Patient Awareness Program for Diabetes Patients Conducted at M S Ramaiah Medical College and Hospitals, 08<sup>th</sup> December 2023**



**Patient Awareness Program for Diabetes Patients Conducted at M S Ramaiah Medical College and Hospitals, 28<sup>th</sup> February 2024**



# RECENT EVENTS

**NIMS Site Activity, Trivandrum on 27<sup>th</sup> & 28<sup>th</sup> Dec 2023**

Dr. Sreejith N Kumar-Principal investigator, was the Organising chairman of All India Medical Conference conducted by Indian Medical Association.





# RECENT EVENTS

**Patient Awareness Program For Diabetes Patients Conducted at BMCRI Hospital Bangalore, 1<sup>st</sup> February 2024**



# RECENT EVENTS

## SIMS, Chennai- SITE ACTIVITY on 22<sup>nd</sup> Feb 2024

'Research Methodology workshop for Healthcare professionals - To improve Patients knowledge on Diabetes Mellitus'



# RECENT EVENTS

## Accomplishment

### Ongoing studies in Endocrinology Department-Network Mode

- ◆ To study the effect of patient education on Knowledge Attitude and Practice (KAP) of diabetic foot care among Type 2 Diabetic Mellitus patients
- ◆ Evaluation of KAP about periodontal disease among diabetic patients: A Hospital Based Multi Centric Study

### Feasibility in Network Mode

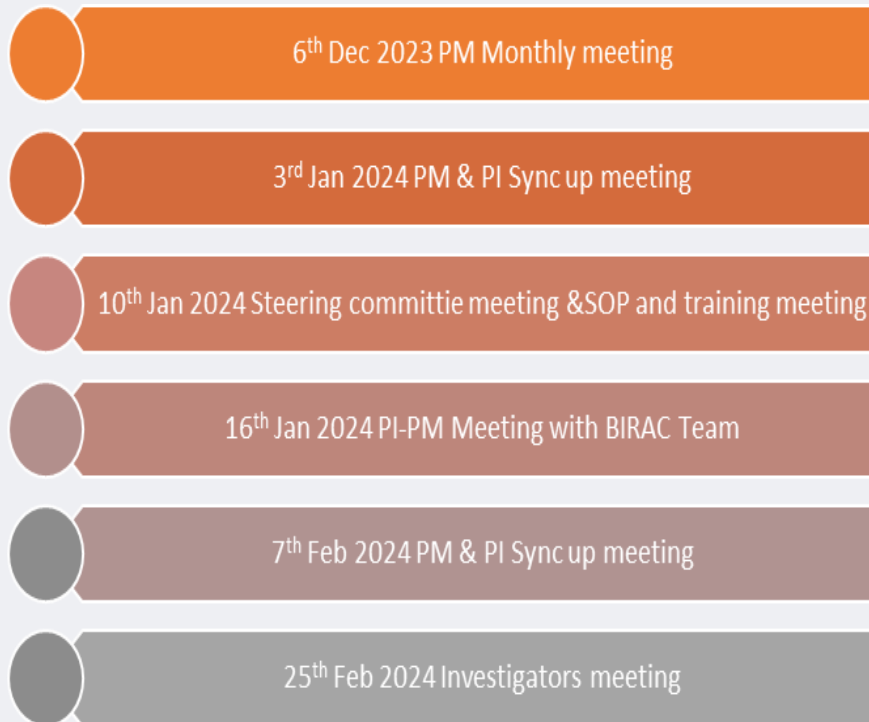
MSRMCH & SIMS Hospital, Chennai

Sl.No	Study Title	CRO
1	A Prospective, Interventional, Multi-center, -Clinical Study of Ansul <sup>®</sup> R Injection 100 IU/ml {Insulin Human (rDNA) R 100 Injection} of XXX in the treatment of Diabetes Mellitus (DM).	Shodh Clinical Solutions LLP



# RECENT EVENTS

**Meeting updates from  
1st December 2023 - 30th February 2024**



## Future plans

- **Research proposal submission — ICMR**

## Upcoming events

- **ICE 2024 - 21<sup>st</sup> International congress of Endocrinology March 1<sup>st</sup>-3<sup>rd</sup> 2024 Dubai.**
- **Continuation of Education Module on Cardiac Metabolic Disorder.**
- **PM Monthly meeting on 6<sup>th</sup> March 2024 at 2:30 pm via Microsoft teams.**