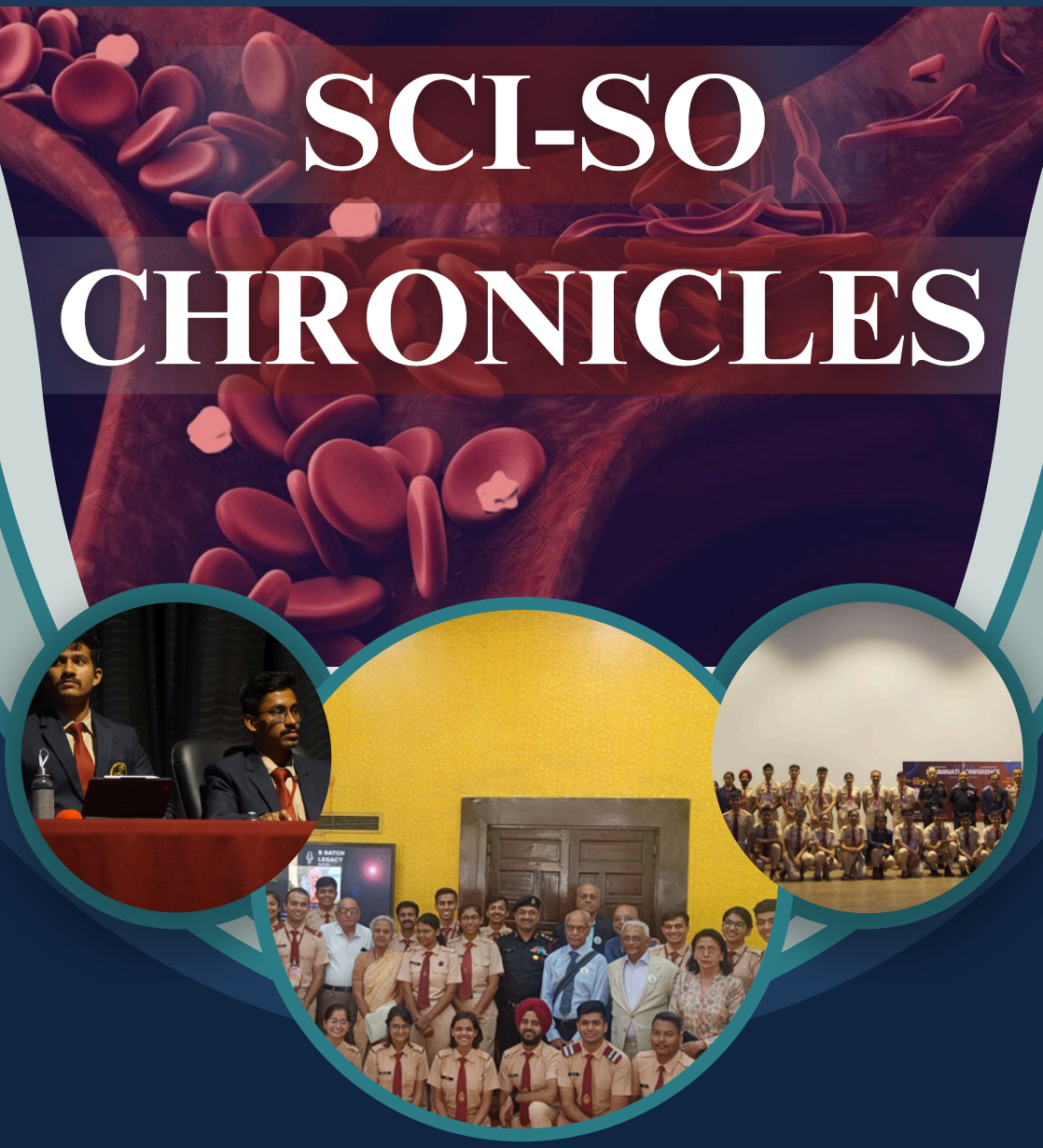
BEGINNING 2024 WITH A BANG !

# SCI-SO CHRONICLES



ISSUE NO. 4
01 JAN - 30 APR
2024

TRIANNUAL ISSUE

# TRIANNUAL NEWSLETTER

ISSUE NO. 4

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# Mentor's note

**Lt Gen Narendra Kotwal AVSM SM VSM**
**Director and Commandant**
**AFMC, Pune**

As the Commandant of this esteemed college, I am thrilled to present the 4th issue of this newsletter. This moment stands as a tribute to the dedication and determination of our cadets within the Scientific Society (Scio), whose remarkable talent and innovation continue to enrich our college community.

I would like to express my heartfelt gratitude to the Officer in Charge, Col. Y Uday, whose guidance and encouragement have been instrumental in driving our cadets to take on such meaningful endeavors. His unwavering support has been pivotal in transforming the vision of this newsletter into a reality. I sincerely hope this collection of work will ignite curiosity and inspire our cadets to delve deeper into their intellectual pursuits and to share their achievements with a wider audience.

With this newsletter, I see an inspiring source of motivation and empowerment for our cadets. Each article, research project, and artistic creation featured here reflects the exceptional talent and dedication of our students. I encourage them to continue pushing boundaries, challenging norms, and leaving lasting marks in their chosen fields. May this publication serve as a tribute to their passion and determination, motivating them to dream big, aim high, and build a legacy for future generations.

# Mentor's note

**Maj Gen Giriraj Singh**
**Dean and Deputy Commandant**
**AFMC, Pune**

As the Dean of this distinguished college, it brings me immense pride to witness the passion and energy our students pour into the Scientific Society. Their dedication to scientific inquiry and research stands as a powerful example of what is possible when curiosity meets determination. This special edition of our newsletter celebrates their noteworthy accomplishments, underscoring their exceptional talents and steadfast commitment.

I am certain that these budding scientists and thinkers will continue on this journey of discovery, contributing meaningfully to their fields. Their drive for knowledge and enthusiasm for exploration are the qualities that will lead them to new horizons and impactful achievements.

To our students, I extend my deepest appreciation for embracing the unknown with courage and a thirst for discovery. Your work is an inspiration to us all.

I also want to acknowledge the outstanding team behind this publication. Your attention to detail, dedication, and teamwork have made this newsletter a reality. Through your efforts, we are able to showcase the remarkable contributions of our Scientific Society to a wider audience.

Let this newsletter be a source of pride and inspiration for our entire college community. May it spark curiosity in each of us and motivate us to push the boundaries of science. Together, let us continue building a culture that supports intellectual growth and empowers our students to create a brighter future

# Mentor's note

**Brig J Muthukrishnan, SM, VSM**
**Sub Dean - Clinical Research**
**HOD, Dept of Internal Medicine**
**AFMC, Pune**

In my undergraduate days, the journey with the Students' Scientific Society (SciSo) was a simpler yet impactful experience. A small group of us, eager to present and learn, would gather just a few weeks before the Bombay Medical Congress to prepare our symposium. Following the event, we'd return to our regular academics and co-curricular pursuits, enriched by the knowledge and camaraderie that these gatherings brought.

As a faculty member from 2015 to 2018, I witnessed a remarkable evolution in SciSo during my time as Officer-in-Charge. Cadets were now more tech-savvy and had greater exposure to an array of events that expanded their scientific and clinical understanding. The Illuminati conference, among others, brought the experience of organizing a major medical event into their lives early on, enhancing their skills in ways I hadn't seen before. Key events like the Bombay and Bangalore Medical Congresses continued to shape the SciSo calendar, becoming annual highlights for the cadets.

Now, as Head of the Department of Internal Medicine, it is deeply rewarding to see SciSo's growth and its impact. The society has gone beyond conventional boundaries, incorporating groundbreaking initiatives in population screening, health surveys, innovative solutions, and digital healthcare applications. I am confident that the future of SciSo is in great hands!

I envision SciSo as an essential part of AFMC's academic landscape. It serves as a platform where like-minded students can come together, driven by a passion for scientific discovery, to pursue research that pushes the frontiers of knowledge beyond the traditional MBBS curriculum. This society should offer students the opportunity to develop and present their work, both within and outside the institution, nurturing the qualities that will make them exceptional doctors, educators, and researchers.

As these talented students graduate and become alumni, I hope they will continue as lifelong learners, engaged in research, presenting, publishing, and contributing to science. I encourage them to stay connected with SciSo, sharing insights, participating in virtual gatherings, and mentoring current members. Through this ongoing engagement, SciSo will remain a vibrant and ever-evolving society, strengthening both its present and future.

# Editor's Note

We, the team at SciSo, are thrilled to present the inaugural issue of SciSo Chronicles. This newsletter represents our commitment to showcasing the diverse activities and achievements of our scientific society. As the Officer-in-Charge of the college's scientific society, I am immensely proud to work alongside such bright and passionate individuals who have brought this newsletter to life through their dedication and commitment to science.

The primary goal of SciSo Chronicles is to offer students a platform that keeps them informed about research opportunities, academic events, field activities, and other achievements within our society. By establishing a regular newsletter, we hope to foster a sense of community, encourage scientific curiosity, and inspire intellectual growth among our cadets. Additionally, it will serve as a record of the significant undergraduate scientific activities within our college.

I hope you enjoy reading this newsletter and gain valuable insights into the scientific endeavors undertaken by our own cadets. We also eagerly anticipate valuable contributions from alumni and faculty members at AFMC, whose continued support nurtures scientific curiosity among our young, motivated minds.

I kindly request all faculty members from various departments to share information on undergraduate research activities conducted at AFMC under their guidance for inclusion in future issues of the newsletter.

# BOMBAY MEDICAL CONGRESS-2024

*From left to right:*
***FIRST ROW: Reshma Goel, Roopika Peela, Ritwik Johari, Col Y Uday, Sagaldip Singh, Aadarsh Singh***
***SECOND ROW: Dev, Ayush Kumar Singh, Chaithanya Vinu, Simran, R Harini Sri***

*We are thrilled to announce that our team presented at the Bombay Medical Congress 2024. This highly competitive event featured 16 teams from across India, with only five selected for the final offline presentation.*

*The team's selection was attributed to the our highly detailed studies on sickle cell disease. The research was based on a comprehensive analysis of the current literature on the topic combined with original data from our study.*

*What set our team apart was the practical, feasible and sustainable solutions we proposed to address the issue. We focused on community based interventions and included recommendations for training healthcare providers and community workers to provide effective support and care.*

## Research presented>

- Descriptive cross sectional study **SMILE** :Sickle cell Morbidity by department of Internal medicine of AFMC with a focus on Evaluation.
- Endeavour to study the extent of clinical manifestations such as splenomegaly, endocrinopathy , delayed puberty, urine analysis, cognitive impairment and vascular phenomena.
- Evaluated a total of 159 SCD diagnosed residents of Shahada, Maharashtra

## Other Activities >

- A visit to Indian Naval Dockyard was arranged by INHS Asvini to encourage and motivate the budding cadets to join Armed Forces.
- Basic functioning of these giants were explained in detail by experienced naval officers.
- A brief information regarding the role of a PMO during sailing.

# REFLECTIONS

## RITWIK JOHARI

It was an amazing experience preparing for and executing the symposium after rigorous clinical research undertaken in a remote tribal area of Maharashtra. Having first hand experience of the challenges faced by the tribal communities, it was an arduous yet fun journey trying to replicate the salient points from various parts of the study in a visually appealing audio-visual format for the distinguished judges and the audience.This was not to say it was all smooth sailing. There were a few aspects which warranted more attention; the tech glitches could have been avoided with careful planning, and the presentation may have been made a bit simpler to understand, given the complex clinical topic. To conclude, even if the results were a bit disheartening, the entire learning experience wherein the team collaborated is something to be cherished and may inspire the cadets who will participate in future ventures like this one.

## SAGALDIP SINGH

This experience was altogether very different for me, with everyone working together towards the same goal, knowing we had limited time but never losing hope or the zeal to continue. I learned a lot from my batchmates who had done symposiums before—gaining insight into its intricacies and understanding how to balance subtlety with clarity. Our field study, which was entirely medicine-focused and backed by extensive data and genuine patient assessments, was even praised by two officers. Although we encountered a technical glitch at the beginning, which may have made us a bit nervous, we maintained our focus. Moving forward, we could improve our audiovisual setup and refine our speech delivery.

## ROOPIKA PEELA

The Bombay Medical Congress is one of the most prestigious events on the Students' Scientific Society Calendar, and I consider myself absolutely lucky to have had the opportunity to be a part of it. It was a great learning experience but also quite challenging to immerse ourselves in a study we hadn't initially been part of. I believe the entire team put in tremendous effort and gave their best, and it was incredibly helpful to receive support from our seniors and officers—without whom we couldn't have learned so much. Our strengths included the vastness of our field research in Shahada, which definitely earned us good points, and our teamwork ensured an unhindered workflow during preparation and presentation. The support system from our college also worked in our favor. Additionally, sickle cell disease was a broad topic and somewhat beyond the level of an undergraduate symposium. For future improvements, early preparation would benefit us, and choosing a more innovative topic and working on our tech team could help us earn better points.

## RESHMA GOEL

Reflecting on my experience at the 2024 Bombay Medical Congress, I found it to be an invaluable learning opportunity, especially on the topic of sickle cell disease, which boosted my confidence in addressing related questions. A key strength of our presentation was the original field study we conducted with medical cadets, allowing us to include authentic visuals and align with government health initiatives. I realized the importance of thorough preparation, particularly in checking equipment and refining my responses to ensure clarity in future presentations.

# REFLECTIONS

## CHAITHANYA VINU

The experience allowed us to explore various interesting topics and provided a foundation in research and study presentation. Our study's strength lay in its novelty, particularly due to the extensive fieldwork. However, some aspects didn't go as planned: our solutions lacked solidity, and we encountered technical issues that could have been prevented, such as saving the presentation on a backup laptop and avoiding last-minute font changes. For improvement, we aim to work on voice modulation and speaker formation on stage. The initial emotional video should align better with the speech; using a video instead of a PowerPoint could reduce on-stage errors. We also recognize that Q&A preparation should begin alongside speech preparation to enhance our readiness.

## AADARSH SINGH

Presenting our research to such a knowledgeable and diverse gathering was a great experience, and it was enlightening to observe the research of other teams. The support from our college enabled us to delve deep into fieldwork, and we benefited from the guidance of experienced seniors and faculty. Inspired by LTMMC's engaging presentation, I noted how their varied art styles kept the audience interested—something we might incorporate in future presentations. Due to time constraints, we also ended up reusing elements from past symposiums instead of creating original designs from scratch.

## R HARINI SRI

The Bombay Medical Congress was an eye-opening experience, revealing that exams and obtaining a degree aren't the only aspects of medicine. There are so many interesting areas of research and debate, and such accomplished people were present in the audience. Our strengths included strong research and data, guidance from experienced people, and multiple practice sessions. However, there are areas for improvement: we could start preparing for the symposium well ahead of time, conduct multiple practice sessions with varying audiences to build confidence, and explore using software beyond Microsoft PowerPoint

## AYUSH KUMAR SINGH

Presenting at the medical symposium on sickle cell disease was a valuable experience, providing an opportunity to engage with fellow professionals and share insights on this complex condition, fostering learning and collaboration. Thorough preparation ensured a comprehensive understanding of the topic, enabling clear and concise delivery, while effective use of visual aids such as slides and diagrams enhanced the presentation and facilitated better understanding among the audience. However, technical difficulties with audiovisual equipment and presentation software disrupted the flow of the presentation, detracting from its overall effectiveness. Moving forward, technical preparedness through equipment checks and rehearsals, better time allocation to cover all key points within the allotted slot, and increased audience involvement can help improve the overall presentation experience..

# REFLECTIONS

## DEV

Participating in the medical symposium presentation at the Bombay Medical Congress was both enlightening and thought-provoking, marked by engaging discussions and insightful questions by the audience that fostered a collaborative learning environment. The presentation's strengths lay in its clarity, organization, and effective use of visual aids like slides and diagrams, which reinforced key concepts and made complex topics more accessible. The speakers' expertise and enthusiasm for Sickle Cell Disease were evident, holding the audience's attention throughout.

## SIMRAN

Participating in the Bombay Medical Congress conducted by INHS, Asvini was a unique and insightful experience. The symposium provided a platform for researchers, healthcare professionals, and advocates to come together and share their knowledge and experiences.
Our presentation on SICKLE CELL DISEASE: THE FAULT IN OUR GENES offered a new perspective or approach to understanding and addressing the issue of Sickle Cell Anemia.It deepened my understanding of Sickle Cell Anemia and reinforced my commitment to making a positive impact in the field of healthcare.

# PANEL DISCUSSION ON AI IN CLINICAL MEDICINE

MED CDT CELINE RAPHAEL, H3 BATCH

What does one think of when diagnosing Parkinsonism? Tremors, rigidity, bradykinesia right.

But a retinal image interpreting AI modal developed by researchers at the University College London and trained using 1.6 million images, not only detects retinal conditions but can also predict Parkinson's years before the manifestation of any clinical sign or symptom, but rest assured it will only do so in conjunction with a highly trained healthcare professional.

As an undergraduate MBBS student, I was asked to be a part of a panel discussion on 'AI in Medicine', to share the views of our generation with the medical fraternity, encompassing renowned medical specialists, present at INHS Asvini, during BMC 2024. Naturally, as the least experienced and knowledgeable person in the room, I read extensively about numerous ground breaking studies pertaining to the applications of AI in medicine, in the days leading upto the panel discussion.

A rather remarkable study by Jermey Irvin et al., revealed that an algorithm used to detect pathologies in a frontal view chest X-ray, (based on convolutional neural networks) performed at par if not better than a practising radiologist (with the experience of radiologists involved in the study being 12 yrs). But the most astounding fact was that, while the radiologists took 4 hrs to diagnose 420 images (on an avg) the AI took no more than 1.5mins!

Today, the use of AI in medicine has expanded beyond the reading of medical images and assistance in surgery. AI and machine-learning programs have proven to be useful in:

1. helping to identify outbreaks of infectious diseases that impact public health
2. combining clinical, genetic, and many other laboratory outputs to identify rare and common conditions that might otherwise have escaped detection
3. the convergence of artificial intelligence and precision medicine, which promises to revolutionize health care
4. aiding in hospital administration

# BEYOND THE BOOKS: A REAL-WORLD ENCOUNTER WITH SICKLE CELL DISEASE

Med Cdt Simran I3 Batch

My visit to Nandurbar for screening people with sickle cell anemia was a profoundly enlightening experience that deepened my understanding of the challenges faced by individuals affected by this condition. Nandurbar is known for its high prevalence of Sickle Cell Anemia, a genetic blood disorder that affects millions of people worldwide. The aim of the AFMC Nandurbar SCD collaborative project was to raise awareness about the disease, provide screening and diagnostic services, and offer treatment and counselling to those affected.

One of the most striking aspects of the program was the sheer scale of the effort. I witnessed dedicated healthcare professionals of AFMC and volunteers working tirelessly to screen the local population.

I also had the opportunity to perform phlebotomy in various schools and colleges of the district . Meanwhile I was also involved in the reporting of the electrophoresis graphs and CBC reports for sickle cell disease, sickle cell trait and beta-thalassemia in lab setup by AFMC.

Overall, my visit to Nandurbar has left a lasting impression on me. It has reaffirmed my commitment to public health and has inspired me to continue working towards improving health outcomes for vulnerable populations. I am grateful to AFMC and Col. Y Uday for providing me with the opportunity to be a part of such a meaningful program and for the support and guidance I have received throughout this journey.

# ORGANISATION AND INTEGRATION OF RESEARCH WITH HEALTHCARE SREVICES: Addressing Sickle Cell Anemia In a Holistic Way

Med Cdt Preeti Thokran I3 Batch

A field study on sickle cell anemia in Nandurbar, Maharashtra, is crucial due to the high prevalence of this condition among tribal populations in the region. Nandurbar has a significant tribal population, including Bhil, Pawara, and other communities, where the genetic mutation for sickle cell disease (SCD) is relatively common.

I had heard a few things from my seniors about their own experiences ,which is what got me interested in research in the first place, but I had no idea what my personal research experience would be like. But it turned out to be a really good experience that can't be described by words. Throughout the course of my research experience, I know that I have changed in many ways.

I learned how to work independently, how to be more analytical in my work, and how to ask the important questions that led to new discoveries. Research has taught me to be open to the unexpected, and even welcome it, which has turned me into a better researcher and student. I think the most important thing that I went into research with was being open to anything, and not being set on one way of learning or doing things. This was beneficial since it allowed me to be able to learn something completely new and be open to doing things differently.


# OBSERVERSHIP AT TATA MEMORIAL HOSPITAL

My two-week observership at Tata Memorial Hospital (TMH) in pediatric oncology was an extraordinary learning experience that left an indelible mark on my academic journey and career aspirations. Under the expert mentorship of Dr. Gaurav Narula, a pioneer in CAR-T cell therapy in India, I had the opportunity to delve deeply into the diagnosis and management of pediatric hematological malignancies and solid tumors.

The first week with the hematolymphoid group provided invaluable insights into conditions such as acute lymphoblastic leukemia and other blood cancers. I attended ward rounds and participated in journal clubs where challenging and rare cases were discussed. This fostered my understanding of the nuances involved in diagnosing and managing these diseases. Witnessing the use of Blinatumomab, a novel immunotherapeutic agent, was particularly inspiring as it highlighted the transformative potential of cutting-edge treatments. Additionally, I had the privilege of learning about bone marrow transplant procedures, further solidifying my grasp of the multidisciplinary approach needed in such complex treatments.

During the second week with the solid tumor team, I explored the intricacies of managing cancers such as neuroblastomas and sarcomas. The discussions and treatment strategies I observed underscored the importance of precision and innovation in oncology. I was impressed by the level of collaboration among various departments to provide comprehensive care to pediatric patients.

One of the most intellectually stimulating aspects of my observership was understanding the process of CAR-T cell therapy at ACTREC. Observing the bioengineering of CD-targeting cells was an eye-opener to the immense potential of technology in transforming cancer care. The lab sessions enhanced my appreciation for the meticulous efforts that go into developing personalized treatments.

Beyond the technical knowledge, this experience deepened my respect for the emotional resilience of young patients and their families. It also strengthened my resolve to contribute to advancing cancer research and improving treatment accessibility in India.

Overall, my observership at TMH was a remarkable blend of academic learning and emotional growth. It affirmed my dedication to pediatric oncology and my aspiration to be a part of the evolving landscape of cancer care in India.

**M/Cdt CELINE RAPHAEL**
**H3 Batch**

# ILLUMINATI

## THEME : IDEAS THAT COUNT

Illuminati is an undergraduate medical research conference organized by the Department of Internal Medicine, along with the Students' Scientific Society, Armed Forces Medical College. The brainchild of Air Vice Marshal Shankar Subramanian, Illuminati has been a constant attraction at AFMC since its inception in 2010 and has gained a unique reputation of promoting a passion for research and innovation in undergraduates of medicine and allied sciences. This year we were back with a new theme: "Ideas that Count" and were ready to Inspire, Innovate, and Illuminate with Illuminati 2024 held from March 21-23, 2024.

# Scientific Events

A total of **564** students from over **32** medical and **6** engineering colleges across the country actively participated in the conference events

| Sr No. | EVENTS | No. of Students |
|---|---|---|
| 1. | MJAFI Paper Presentation | 5 |
| 2. | Case Presentation | 5 |
| 3. | Poster Presentation | 41 |
| 4. | Paper Presentation | 20 |
| 5. | Symposia | 5 teams (44) |
| 6. | STEM Talk | 12 |
| 7. | Resonate | 29 |
| 8. | Hackathon | 10 Teams (40) |
| 9. | Quiz | 10 Teams (20) |
| 10. | Debate | 4 Teams (8) |
| 11. | Diabetes Quiz | 25 Teams (50) |
| | **Total Students** | **274** |

# EVENTS

## MJAFI Paper Presentation

Scientific paper presentation competition, where innovative ideas meet rigorous research. Talented participants present their research demonstrating the importance of scientific inquiry in addressing real-world challenges.

Winner : Vaishnavi M (JIPMER)

## Case Presentation

Medical case presentation competition, where emerging healthcare professionals share their insights and expertise. The participants present unique cases that highlight clinical challenges, diagnostic reasoning, and innovative treatment approaches.

Winner : Anahita Behara (Kamineni IMS)

## Poster Presentation

Medical poster presentation session, where research and innovation come to life! Participants share their findings through visually engaging posters that highlight key advancements or concepts in medical science and practice.

## Paper Presentation

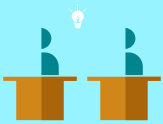
Scientific paper presentation session, where cutting-edge research takes center stage! The presenters share their findings on a variety of topics, showcasing the innovative approaches and critical insights that push the boundaries of knowledge

Winner : Kanishk Rawat (AIIMS Nagpur)

## Symposium

Medical symposium competition, where the brightest minds in healthcare come together to share their research and insights. The participants present their work on a range of pressing medical issues, fostering discussions that highlight innovative solutions and best practices.

Winner : Seth GS Medical College Team



## Sweet Shock Quiz

Diabetes quiz, where knowledge meets awareness! Participants test their understanding of diabetes, its management, and its impact on health.

Winner : Saurabh Singh Yadav and Shubham Panda (AFMC)

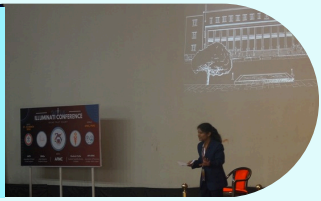
## STEM Talk

Competition where critical thinking and innovative ideas collide! Participants engage in spirited discussions on pressing topics in science and technology. This is a unique opportunity to explore diverse perspectives, challenge assumptions, and enhance our understanding of the complexities within STEM fields

Winner : Swapnil Rai (AFMC)

## Resonate

This event celebrates the art of communication and the importance of making knowledge understandable for everyone. We witness creativity and clarity in action, and discover how simplifying complex ideas can inspire curiosity and enhance learning. Participants take intricate topics and distill them into clear, accessible explanations.



Winner : Ayush Amlan

## Anveshana : Medical Hackathon

Real-life medical problem-solving competition, where innovation and critical thinking are put to the test! Participants tackle genuine medical scenarios, applying their knowledge and creativity to develop effective solutions.

Winner : Devansh A Lalwani (Seth GS)

## Med Tech Trivia Quiz

Quiz, where fun meets knowledge in the world of medical technology! It explores the fascinating facts and innovations that shape modern healthcare. An engaging competition designed to test your understanding of medical advancements, devices, and trends

Winner : Ritwik Johari (AFMC)

## The ILLUMINATI Debate

Debate, where critical issues in healthcare take center stage! Participants engage in dynamic discussions on pressing topics, exploring diverse viewpoints and evidence-based arguments.

Winner : Celine Raphael and Zoha Fatima (AFMC)

# GUEST LECTURES

Guest lectures at a medical conference are where the real excitement kicks in! Top experts dive into the latest breakthroughs, sharing insights that spark fresh ideas and inspire action. These sessions aren't just about learning—they're a chance to see where medicine is headed and to grab some practical wisdom.

## AIR MARSHAL PADMA BANDOPADHYAY, PVSM, AVSM, VSM, PHS

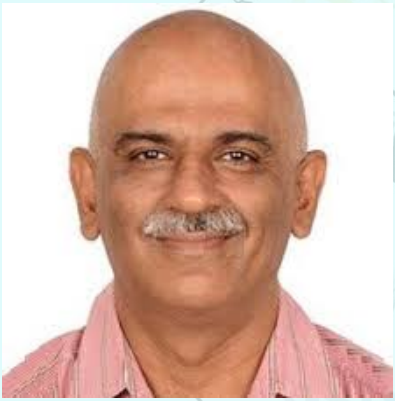
A distinguished AFMC alumnus and the first woman to be promoted to the rank of Air Marshal in the Indian Air Force. She was the first woman to become a fellow of the Aerospace Medical Society of India.

## DR C S YAJNIK

Director of Diabetes Unit, KEM Hospital, Pune, Prof. Chittaranjan Yajnik is a medical scientist who is a specialist in Diabetes research and maternal nutrition and is known for the famous Y-Y Paradox.

## AIR VICE MARSHAL SUBRAMANIAN SHANKAR

A Doctor, academician and teacher for 34 years, a researcher with diverse interests spanning Autoimmune diseases, HIV medicine, Molecular biology, Proteomics, Health economics Artificial Intelligence and Mathematical modeling. He has authored more than 150 Papers in Journals of National & International Repute.



## DR. SUMEET GUJRAL

Dr Sumeet Gujral, an avid researcher, great teacher, and thorough academician, is currently heading the department of Pathology at the Advanced Center for Treatment, research, and Education in Cancer (ACTREC), Mumbai. He has also been a mountaineer and an enthusiastic traveler.

# Workshops

Various departments conducted a total of **18** workshops over the two-day period attended by over **753 students** offering diverse learning opportunities

| S No | Workshop | No. of Students |
|---|---|---|
| 1. | 10 most common cases in Internal Medicine (Medicine) | 48 |
| 2. | ECG Basics (Medicine) | 49 |
| 3. | All Round management of Diabetes (Int Medicine) | 28 |
| 4. | AI in Medicine (Int Medicine) | 57 |
| 5. | Clinical Decision making (Medicine) | 143 |
| 6. | Suturing and Bedside Surgery (Surgery) | 104 |
| 7. | BLS and Vascular Access (Anaesthesia) | 42 |
| 8. | Neonatal Resuscitation (Paediatrics) | 28 |
| 9. | Neuromodulation in Psychiatry (Psychiatry) | 41 |
| 10. | CBC, Flow cytometry and Electron Microscopy (Pathology) | 22 |
| 11. | PCR and Biofire Workshop (Microbiology) | 16 |
| 12. | Trauma management in Orthopaedics (Orthopaedics) | 27 |
| 13. | Bedside Dermatology, Dermascopy and Leprosy (Dermatology) | 22 |
| 14. | AI and data science in Radiology (Radiology) | 34 |
| 15. | Nuclear Medicine Workshop (Nuclear Medicine) | 29 |
| 16. | Introduction to Genomics (Biotechnology) | 18 |
| 17. | Maternal and Fetal Medicine (OBGYN) | 36 |
| 18. | Outbreak Investigation (PSM) | 25 |
| | **Total Students** | **753** |

# WORKSHOPS

*-Illuminati*

## 01. DERM INSIDE

Bedside Dermatology & Dermatosurgery

## 02. BON APPETIT

Basics in Orthopedics and Trauma


## 03. HELLP

Maternal and Fetal Medicine

## 04. ALLURE OF MEDICINE

Artificial Intelligence in Medicine

## 05. AGAIN & AGAIN

Ten Most Common Patient encounter in Medicine

## 06. SWEET SYNC

All round Management of Diabetes

## 07. CARDIOWAVE

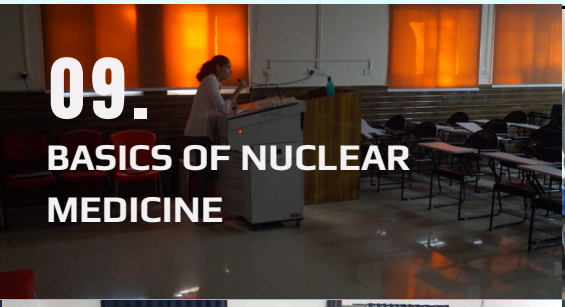
Mastering ECG workshop

## 08 WIZARDS OF OUTBREAK

Outbreak Investigation in Preventive and Social Medicine

# WORKSHOPS

*-Illuminati*



## 09.
## BASICS OF NUCLEAR MEDICINE

## 10.
## REVIVE:
The Neonatal Resuscitation Workshop

## 11.
## ELECTRIFYING THE MIND
Department of Psychiatry


## 12.
## BLOOD RHYTHMS & NANOWORLD DUET
A Melody of CBC and Flow Cytometry with a note of Electron Microscopy

## 13.
## STRINGS & SUTURES
Suturing & Knotting Workshop
Common Bedside Procedures

## 14.
## CELLXPERT SESSION
Mastering Multiplex PCR

## 15.
## STAYIN' ALIVE
BLS: Airway Management & Vascular Support

## 16.
## DNA DIVE
Genomics: Get Into The Genome

# NDRF
# LIVE DISASTER MANAGEMENT

This demonstration presented an exceptional opportunity for our aspiring medical professionals to gain insights from the expertise of NDRF personnel in navigating diverse emergency scenarios, encompassing natural disasters, accidents, and medical crises. The demonstration enriched our understanding of disaster response strategies while equipping us with indispensable competencies for effective real-world crisis management.

We anticipate that this demonstration will catalyze collaboration and synergistic teamwork among students, fostering a profound appreciation for the coordinated efforts essential in mitigating and responding to disasters with alacrity. Such experiential learning aligns seamlessly with our educational imperatives, aiming to cultivate adept healthcare professionals poised to address the exigencies of communities during times of adversity.

TRIANNUAL ISSUE

# SCI-SO

## CHRONICLES


ISSUE EDITORS

MED CDT CELINE RAPHAEL H3

MED CDT DEV SINGH J3



01 Jan - 30 Apr 2024

4Th ISSUE