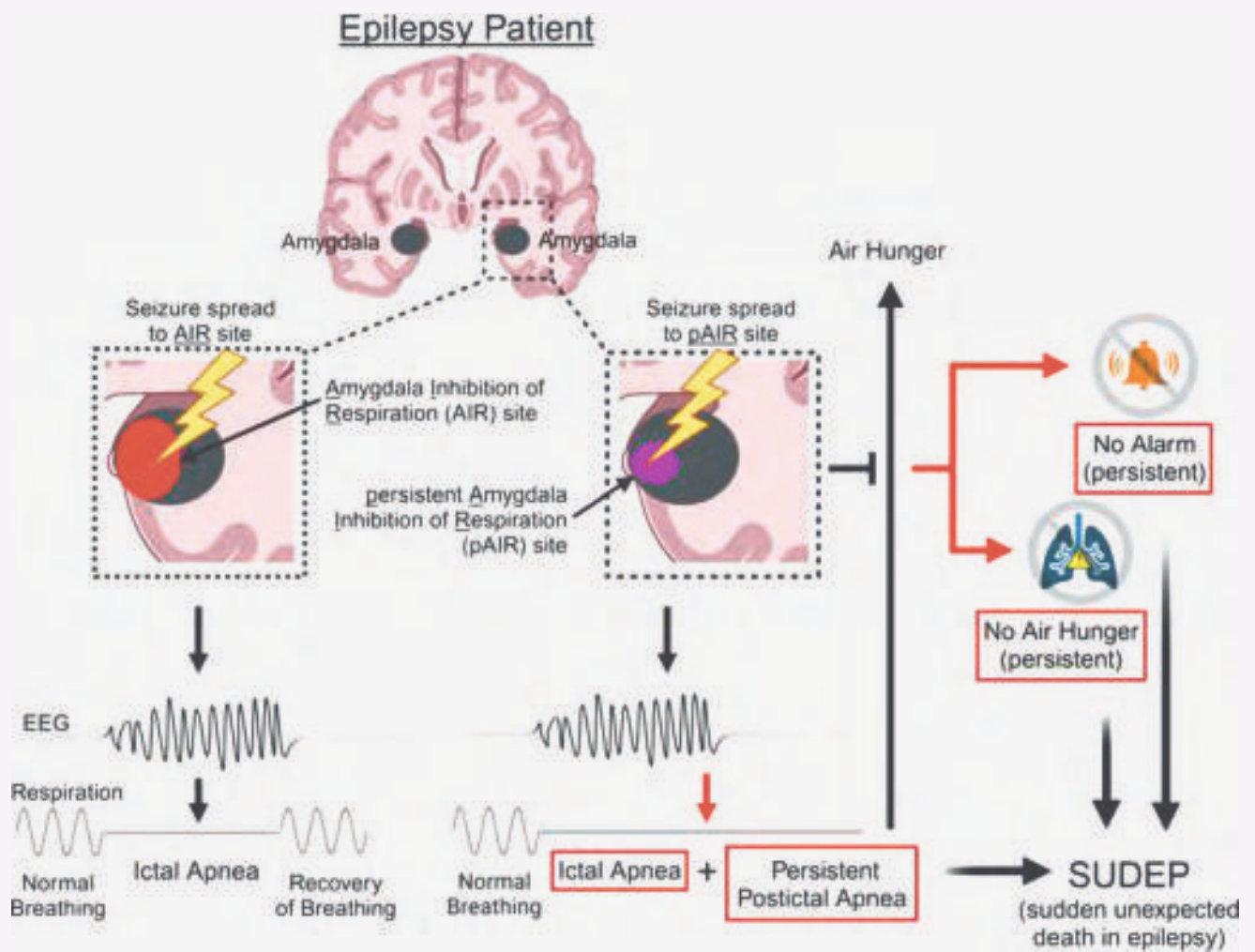


# Epilepsy India

Newsletter of the Indian Epilepsy Association & Indian Epilepsy Society



## “GRAPHICAL ABSTRACT”

From: Harmata GIS, et al. JCI Insight. 2023;8(22):e172423.  
<https://doi.org/10.1172/jci.insight.172423>

(Explanation on back cover)

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Monsoon Greetings from the Editorial Team! Hope you all are enjoying the rains and the greenery around you.

April to June is a relatively quiet period for the society activities. Hence this is a thinner issue of Epilepsy India.

It contains important notices regarding the IEA Constitutional amendments and general body meetings. Please have a look at them. There is an article contributed by Prof Sarat Chandra on epilepsy surgery mentorship program.

In addition to this it has the chapter reports as usual. The cover image is a reproduction of a new research on the proposed mechanism of SUDEP.

*Param & Joy*



# Important Notice

## Notice from Indian Epilepsy Association Memorandum of Association

As directed by the General Body held during ECON on 22 nd July 2023, in Jaipur, the constitution revision committee of the Indian Epilepsy Association, after detailed deliberations has submitted a revised memorandum - 2024.

The existing memorandum of the IEA and the Revised memorandum of IEA - 2024 are now displayed under the “Banner of Notice Board “ on the website of IEA./Quick link-IEA <https://epilepsyindia.org/>

All the members of IEA are requested to access the same and mail their suggestions and comments if any, to Secretary General, IEA by email to [sgiea2017@gmail.com](mailto:sgiea2017@gmail.com) , before 5 PM on August 1, 2024.

Those received after the due date will not be considered

Date : July 11, 2024

Secretary General, IEA

## Notice

An Extraordinary General Body Meeting will be held to discuss the Indian Epilepsy Association Constitutional amendments on 23rd August 2024, 7.30-8.00 pm. (Hybrid Mode)

## Notice

Annual General Body Meeting of the Indian Epilepsy Association will be held on 23 rd August 2024, 8.00-9.00 pm. (Hybrid Mode)

# Surgical Mentorship Program

*Contributed by: Prof Sarat Chandra, Professor, Neurosurgery at AIIMS Delhi, and President IES*

The International League Against Epilepsy (ILAE) have sent reputed faculty Prof Manjari Tripathi (Professor, Head of Department, Neurology) and Prof P Sarat Chandra (Professor, Neurosurgery, and President IES) to Surabaya, Indonesia to develop its Epilepsy surgery program. The Surgical mentorship is a prestigious program spearheaded by ILAE to reduce the treatment gap for epilepsy and epilepsy surgery. Both Prof Tripathi and Prof Chandra spent about 2 weeks at the Dr. Soetomo General Academic hospital in Surabaya (from 15th to 28th May, 2024). Dr. Soetomo General Academic Hospital is the largest government hospital in Indonesia accredited by JCI as an educational hospital with 1700 beds. It is also the highest-referral hospital in the eastern part of Indonesia.

During their stay, both Prof Tripathi and Prof Chandra were involved in conducting workshops, lectures, hands on training, supervising advanced epilepsy surgeries and building up capabilities of the University hospital for epilepsy surgery. During their stay, over 6 surgeries were performed and some surgeries were performed for the first time, including a child having a “laughing epilepsy” with hypothalamic hamartoma, who underwent stereotactic radio-frequency ablation. The Director of Dr Soetomo General Academic Hospital, Prof. Cita Rosita Sigit Prakoeswa, MD, Ph.D welcomed this mentorship program and said that this will definitely push the much needed Epilepsy Surgery program. Prof. Dr. Joni Wahyuhadi, the President of Indonesian Neurosurgical society, said that Indonesia has over 275 million population, and is the fourth largest country globally in terms of population. It is estimated that over 5 million persons with epilepsy would be present in Indonesia. Creation of an advanced epilepsy surgery program would go a long way to benefit the nation.

Prof Manjari Tripathi quoted “Epilepsy is a global problem. It does not differentiate race, caste or creed. There are about 50 million persons with epilepsy globally. Around, 10-15 million persons would have drug resistant epilepsy, for whom surgery is the only option. Surgery done properly has life changing effects. The outcomes of surgery are generally very good. Since most of the patients are young, curing them from epilepsy through surgery will have a huge impact not only for the patient, but for the care givers”. Prof P Sarat Chandra, who supervised all the surgery performed at Dr Soetomo hospital said “Today, it is necessary to create proper framework to epilepsy surgery. Epilepsy surgeries unlike other brain surgeries are complex. They require cooperation of neurologist and proper imaging to localize the abnormal networks. We have had a huge experience of treating more than 5000 cases at AIIMS, Delhi. We are quite happy to extend this knowledge transfer to other countries for them to help create their own standard epilepsy surgery programs”.

Both Prof Manjari Tripathi and Prof P Sarat Chandra are known world over, for their contributions towards treatment and research in Epilepsy. Dr Chandra has also devised several new surgical techniques, which have made the surgeries safer and more efficacious.

Dr Heri Subianto, neurosurgeon from Dr Soetomo General hospital said “We are honored to have the expertise of Prof Chandra and Prof Chandra. I was provided training as a fellow at AIIMS in Epilepsy surgery some years ago. This gave me the opportunity to establish an advanced epilepsy surgery center at Surabaya. We will wish to continue seek collaborations with world class institutions like AIIMS, which has a huge experience in this area”.



 International League Against Epilepsy
 





## WORKSHOP

**ILAE MENTORSHIP EPILEPSY SURGERY  
SURABAYA, INDONESIA**

### Advanced Management of Epilepsy: from Bedside to Operating Theatre

May 20<sup>th</sup> – 22<sup>nd</sup> 2024



Prof. Sarat Chandra  
All India Institute of Medical Sciences Delhi  
India



Prof. Manjari Tripathi  
All India Institute of Medical Sciences Delhi  
India

**May 20<sup>th</sup>**  
GDC 7<sup>th</sup> floor

**May 21<sup>st</sup> – 22<sup>nd</sup>**  
Aksona room

**Soetomo General Academic Hospital**

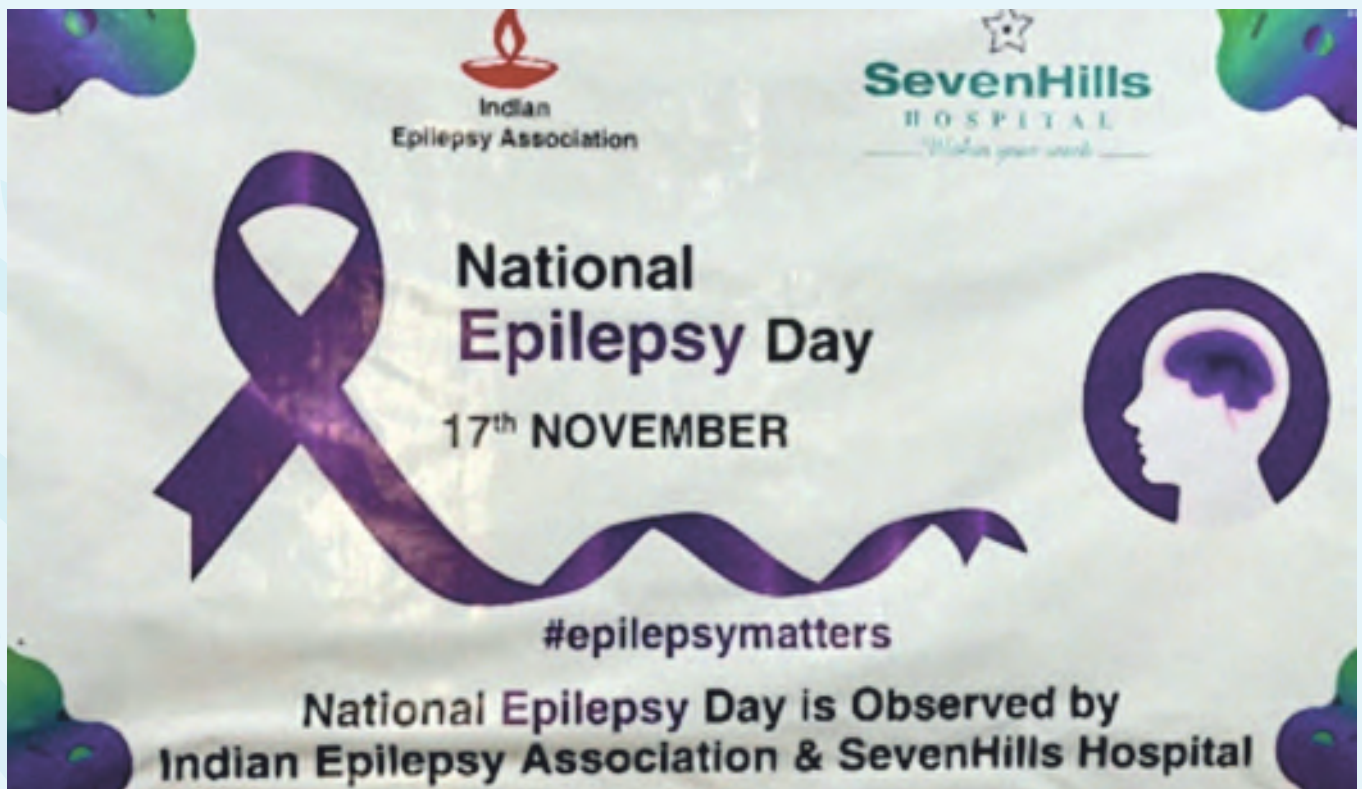
**WS 1**  
Workshop on  
Epilepsy Monitoring Unit

**WS 2**  
Workshop on  
Electro-Corticography

# IEA Chapter Reports - 'VISAKHAPATNAM'

Reported by : Dr.R.V.Narayana, Secretary IEA, Visakhapatnam

As a part of National epilepsy day celebrations, we at Seven hills hospital, Visakhapatnam, have conducted a special awareness session for all employees and staff on 17th November 2023. IEA president Dr K.Venkateswrlu has consented and supported the program and our post graduate Dr.Amarapu Sravanthi has delivered a short speech and few videos. Members and attendees appreciated our efforts and encouraged us.

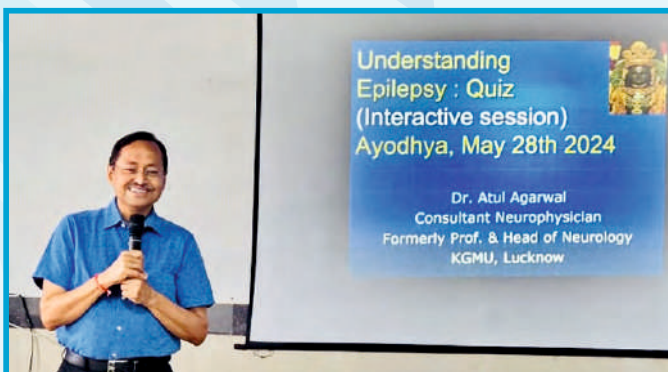


## CME ON EPILEPSY: AYODHYA 28.05.24

A CME on Epilepsy was organized at City of Ramlala by Department of Medicine, at Lecture Hall of Rajshri Dashrath Autonomous State Medical college of Ayodhya on May 28th. Prof Arvind Kumar, Head of Medicine department welcomed the guests and delegates emphasizing the importance of such educational programs. Dr Vimlesh Kumar Verma, unit in charge Neurology, gave his talk on 'Introduction to Seizures and Epilepsy'. He presented videos of patients to describe various types of seizures, causes of Epilepsy and general management rules. Psychiatrist, Dr Kunwar Vaibhav discussed the insight in various Non-Epileptic Attack disorders (PNES) and how to differentiate it from Epilepsy. Dr Atul Agarwal from Lucknow presented an Interactive Quiz and discussion session on Epilepsy at last which aroused much interest. Dr Piyush Gupta, organizing secretary proposed the Vote of Thanks. CMS of hospital Dr Arvind Kumar Singh presented bouquets & mementoes to guests. Undergraduates, interns and Postgraduates and Faculty members of Medicine, Pediatrics, Pathology and Pharmacology of Medical college and many prominent Psychiatrists (Dr Madhukar & Dr K R Verma) and physicians participated and felt benefitted.



CME Participants



Dr Atul Agarwal presenting the Quiz



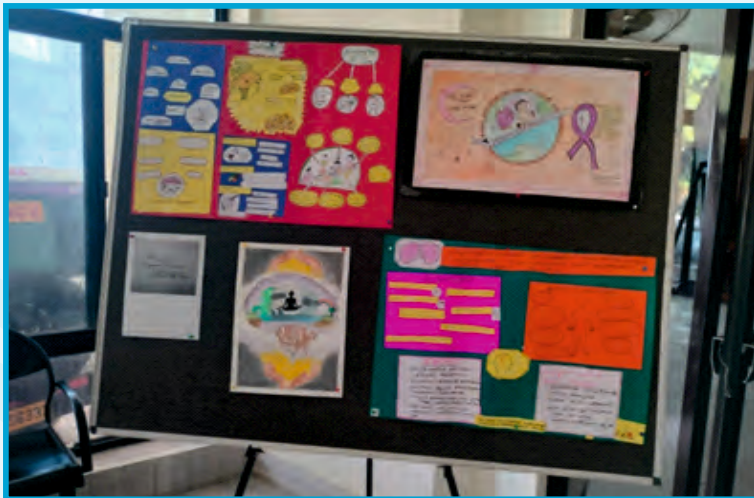
Ayodhya Med College Faculty Guests

Reported by : *Dr.Jayachandran. D, Secretary IEA Trivandrum Chapter*  
*Prof. George C. Vilanilam, Interim President*

## EPILEPSY PURPLE DAY 2024

R Madhavan Nayar Center for Comprehensive Epilepsy Care (RMNC), Department of Neurology, Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Trivandrum Celebrated Epilepsy Purple Day on 26th March 2024 under the aegis of Indian Epilepsy Association, Trivandrum Chapter with a public interactive awareness programme at AMC Auditorium of the Sree Chitra hospital. Invocation by the Chitramalhar group, SCTIMST. Prof Bejoy Thomas , Imaging sciences and intervention Radiology welcomed the gathering. Lighting the Lamp and Inauguration of RMNC facebook, Instagram , Twitter and website and Inaugural Address by Sri.Gopinath Muthukad, Chairman, Different Art Centre and Magic planet. Prof Ramshekhara N Menon, Neurology , Prof George C Vilanilam, Neurosurgery, Prof Kesavadas , Imaging Sciences and Intervention Radiology felicitated the programme. Sri.Gopinath Muthukad, and Prof Ashalatha Radhakrishnan, Neurology, Head RMNC distributed the prize for the winners of different competitions on the ceremony. The programme concluded by vote of thanks expressed by Dr. Ajith Cherian, Additional Professor, Neurology. As part of epilepsy public awareness, RMNC conducted painting and logo competitions for all the staffs and students of Sree Chitra hospital and Essay competitions for students from other medical institutions. Children from Different Art Centre, Magic planet, Trivandrum with Chitramalhar Arts club, SCTIMST performed different cultural events like music, dance and magic. The programme was attended by over 250 people who included patients and their caregivers, staff ,students and participants from the Different Art Centre.





## About the Cover Page

“The image on the cover illustrates a recently proposed mechanism of SUDEP, based on stimulation studies performed by Harmata and colleagues on 20 patients in an EMU. The authors demonstrate that a subregion within the amygdala, when stimulated results in a persistent inhibition of respiration without air hunger. When a prolonged seizure within temporal lobes involves this subregion of the amygdaloid nucleus, it could hypothetically result in a persistent apnea resulting in SUDEP”. This study is worthy of contemplation and imparts a new insight into the complex neural control mechanisms of respiration.

*Reference:*

Harmata GIS, et al. JCI Insight. 2023;8(22):e172423.  
<https://doi.org/10.1172/jci.insight.172423>