



# SIONCON 2024

SOCIETY FOR INTRA OPERATIVE NEUROPHYSIOLOGY

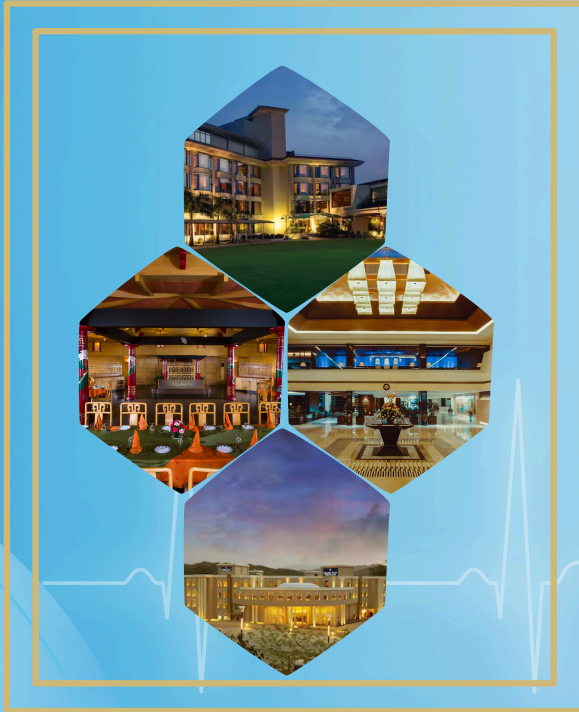


2nd Annual Conference and CME Of Society for Intra Operative Neurophysiology

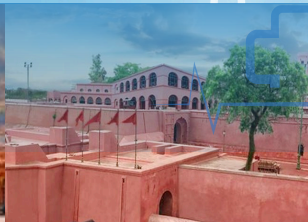
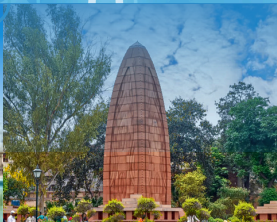
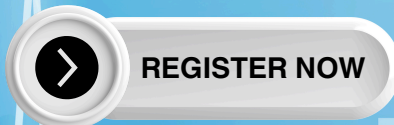
Workshop venue – Gammaknife center, PGIMER, Chandigarh


Conference and CME Venue – Hotel Mount View, Sector 10, Chandigarh



Dates : 8th -10th Nov 2024



FOR MORE DETAILS



 [sioncon2024@gmail.com](mailto:sioncon2024@gmail.com)

 01722756699  9416358829

# REGISTRATION

REGISTRATION CATEGORIES	REGULAR REGISTRATION (TILL 08 NOVEMBER, 2024)		SPOT REGISTRATION	
<b>Delegate</b>	Workshop	6500.00	Workshop	8000.00
	Conference and CME	10,000.00	Conference and CME	12,000.00
	Workshop with Conference and CME	15,000.00	Workshop with Conference and CME	18,000.00
<b>Residents/Students</b>	Workshop	4000.00	Workshop	5000.00
	Conference and CME	6,000.00	Conference and CME	7,000.00
	Workshop with Conference and CME	9,000.00	Workshop with Conference and CME	10,000.00
<b>Accompanying Person</b>		7,000.00		10,000.00
<b>Foreign Delegate</b>	Workshop	\$ 150	Workshop	\$ 200
	Conference and CME	\$200	Conference and CME	\$250
	Workshop with Conference and CME	\$250	Workshop with Conference and CME	\$300

## COMBO OFFER FOR SION MEMBERSHIP AND CONFERENCE REGISTRATION

TYPES	REGULAR (TILL 08 NOVEMBER, 2024)		SPOT	
<b>SION membership with Workshop</b>	Life membership	12,000.00	Life membership	13,500.00
	Associate Membership	10,000.00	Associate Membership	11,500.00
<b>SION membership with Conference and CME</b>	Life membership	15,500.00	Life membership	17,500.00
	Associate Membership	13,500.00	Associate Membership	15,500.00
<b>SION membership with Workshop, Conference and CME</b>	Life membership	20,500.00	Life membership	23,500.00
	Associate Membership	18,500.00	Associate Membership	21,500.00

# PRE- CONFERENCE WORKSHOP

VENUE: NEUROSURGERY SKILLS LAB, GAMMAKNIFE CENTRE, PGIMER, CHANDIGARH

08 NOVEMBER, 2024 (FRIDAY)

TIME	SESSION	FACULTY
08:00 Hrs- 08:15 Hrs	Registration	
08:15 Hrs - 08:30 Hrs	Inauguration and Introduction to IONM workshop	
08:30 Hrs - 08:45 Hrs	Rationale of IONM techniques – SSEPs, MEPs, BAER and VEPs	<b>DrSrinivasa Babu</b>
08:45 Hrs - 09:00 Hrs	How to choose the right muscles?	<b>Dr Ashok Jaryal</b>
09:00 Hrs - 09:15 Hrs	How to identify the EP signals? The correct Interpretation	<b>Dr Parthiban</b>
09:15 Hrs - 09: 30 Hrs	Basics of anesthesia for a proper IONM	<b>Dr Narinder</b>
Workshop Coordinators : <b>Dr Sushant Kumar Sahoo, Dr Apinderpreet singh, Dr Chandrasekhar Gendle, Dr Narender Kalaria, Dr Priyadarshini Mishra and Dr Vishwanath Bhaire</b>		
09:30 Hrs - 10:20 Hrs	<b>Session 1: Cranial</b> Cortical and sub cortical mapping and monitoring in Supra tentorial tumors	Case based discussion – <b>Dr Aliasgar Moiyadi</b> Neurophysiology – <b>Dr Parthiban Velayutham</b>
10:20 Hrs - 11:00 Hrs	<b>Session 2: Brain stem/Posterior fossa</b> Cerebello – pontine angle tumors and Brain stem tumors	Case based discussion – <b>Dr B Rajesh</b> Neurophysiology – <b>Dr Srinivasa Babu</b>
<b>11:00 Hrs - 11:15 Hrs</b>	<b>TEA BREAK</b>	
11:15 Hrs - 13:00 Hrs	Hands – on training on modules	
<b>13:00 Hrs - 14:00 Hrs</b>	<b>LUNCH BREAK</b>	
14:00 Hrs - 14:40 Hrs	<b>Session 3: Spinal cord Monitoring</b> Spinal tumors, Tethered cord and instrumentations/deformity correction MEP, D wave, nerve root and BCR monitoring	Case based discussion - <b>Dr Roopesh kumar</b> Neurophysiology - <b>Dr Ashok Jaryal</b>
14:40 Hrs - 15:30 Hrs	<b>Session 4: Epilepsy</b> EEG and Electro – Corticography	Case based discussion - <b>Dr Ramesh Dodamani</b> Neurophysiology - <b>Dr Satyakam Barua</b> Interpretation of EEG for Epilepsy - <b>Dr Jitupam</b>
15:30 Hrs - 17:30 Hrs	Hands – on training on modules	

# SCIENTIFIC PROGRAM

**DAY 1: 09 NOVEMBER, 2024 (SATURDAY)**

Time	Session	Speaker
<b>09:00 Hrs - 10:30 Hrs</b>	<b>Session 1</b> Basics Of IONM <b>Dr Ashok Jaryal, Dr Aliasgar Moiyadi, Dr Ashis Pathak, Dr Shiv Lal Soni</b>	
09:00 Hrs - 09:10 Hrs	The operative room environment: safety, infection control, trouble shooting, communication and optimization of signals	<b>Mr Sajeesh P</b>
09:10 Hrs - 09:20 Hrs	IONM preparation, setup and documentation with artifact free recordings.	<b>Mr Thamizhmaran</b>
09:20 Hrs - 09:30 Hrs	Action potential and compound action potential in Intra operative neuromonitoring	<b>Dr Priyadarshini Mishra</b>
09:30 Hrs - 09:40 Hrs	"Cortical and subcortical monitoring."	<b>Dr Sinivasa Babu</b>
09:40 Hrs - 09:50 Hrs	SSEP	<b>Dr Poornima Shah</b>
09:50 Hrs - 10:00 Hrs	Nuanced decision making in IONM	<b>Dr Nishanth Sampath</b>
10:00 Hrs - 10:10 Hrs	Pitfalls In Electrophysiological Monitoring During Neurosurgical Procedures	<b>Dr Asish Pathak</b>
10:10 Hrs - 10:20 Hrs	Complication avoidance in IONM	<b>Dr Roopesh Kumar</b>
10:20 Hrs - 10:30 Hrs	AI and IONM	<b>Dr B Rajesh</b>
<b>10:30 Hrs - 11:30 Hrs</b>	<b>Session 2</b> Anesthesia perspective in IONM Practice <b>Dr Rajshree Deopujari, Dr Nidhi Panda, Dr B Rajesh, Dr Vyom Bhargav</b>	
10:30 Hrs - 10:40 Hrs	Evolution of awake craniotomy at PGIMER, Chandigarh	<b>Dr Hemant Bhagat</b>
10:40 Hrs - 10:50 Hrs	Monitoring under GA	<b>Dr Madhvi Desai</b>
10:50 Hrs - 11:00 Hrs	Anesthesia for Epilepsy surgery with ECOG monitoring	<b>Dr Prasanna Bidkar</b>
11:00 Hrs - 11:10 Hrs	How Remifentanyl changed my IONM practice	<b>Dr Vishwanath S Bhaire</b>
11:10 Hrs - 11:20 Hrs	Utility of IONM during anterior circulation intra cranial aneurysm clipping	<b>Dr Gopala Krishna</b>
11:20 Hrs - 11:30 Hrs	CATCH -22 – Anesthesia and IONM	<b>Dr Arulvelan</b>
<b>11:30 Hrs - 12:00 Hrs</b>	<b>Session 3</b> IONM for infratentorial tumor surgery <b>Dr MK Tewari, Dr Srinivasa Babu, Dr Vivek Tandan, Dr HBS Sodhi</b>	
11:30 Hrs - 11:40 Hrs	The Recent advancements in Brainstem monitoring	<b>Dr Parthiban</b>
11:40 Hrs - 11:50 Hrs	Electrophysiological monitoring during acoustic schwannoma surgery	<b>Dr Ramesh Teegala</b>
11:50 Hrs - 12:00 Hrs	Use of Neuromonitoring in Infra tentorial tumors	<b>Dr Abhirama Chandra Gabbita</b>
<b>12:00 Hrs - 12:10 Hrs</b>	<b>Tea Break</b>	
<b>12:10 Hrs - 13:00 Hrs</b>	<b>Inauguration</b>	
<b>01:00 Hrs - 02:00 Hrs</b>	<b>Lunch</b>	
<b>14:00 Hrs - 15:00 Hrs</b>	<b>Session 4</b> Supra tentorial Tumor surgery and IONM <b>Dr Roopesh Kumar, Dr Parthiban, Dr Rajesh Chhabra, Dr P Sarat Chandra, Dr Partha Rai</b>	



# SCIENTIFIC PROGRAM

## DAY 1: 09 NOVEMBER, 2024 (SATURDAY)

Time	Session	Speaker
14:00 Hrs - 14:10 Hrs	Decision making during awake craniotomy for brain tumors – Rationales and caveats	<b>Dr Aliasgar Moiyadi</b>
14:10 Hrs - 14:20 Hrs	The motor cortex seen by a neurosurgeon: lessons learnt from brain mapping	<b>Dr Francesco Vergani</b>
14:20 Hrs - 14:30 Hrs	"Beyond movement and language: cognitive mapping and monitoring in glioma surgery"	<b>Dr Francesco Vergani</b>
14:30 Hrs - 14:40 Hrs	Neuromonitoring in Glioma Surgery : Enhancing precision with 5-ALA and functional mapping	<b>Dr Vivek Tandon</b>
14:40 Hrs - 14:50 Hrs	Multimodal intraoperative monitoring strategies for frontal glioma with special reference to frontal Aslant tract monitoring	<b>Dr A R Prabhuraj</b>
14:50 Hrs - 15:00 Hrs	Technical considerations of IONM in Peri-rolandic Gliomas	<b>Dr Vishwaraj Ratha</b>
<b>15:00 Hrs - 16:00 Hrs</b>	<b>Session 5</b> Flash Paper Presentation <b>Dr Kaviraja Udupa, Dr Ranjith Murty, Dr Srinivasa Babu, Dr Ankur Luthra</b>	
15:10 Hrs - 15:15 Hrs	Multimodal IONM Techniques To Predict The Post-Operative Facial Nerve Function During Vestibular Schwannoma Surgery	<b>Mr K. Jayadeepan</b>
15:15 Hrs - 15:20 Hrs	Patient State Index And Near Infrared Spectroscopy For Intra-Operative Seizure Detection: A Case Report	<b>Dr Ganesh Divakar</b>
15:20 Hrs - 15:25 Hrs	Safety And Feasibility Of MEP Monitoring In Infants	<b>Ms Premi Manoharan</b>
15:25 Hrs - 15:30 Hrs	Real Time Insights : A Case Study On Elevating Surgical Outcomes For Sprengel Deformity With Intra Operative Neurophysiological Monitoring	<b>Ms Teertha S Sunil</b>
15:30 Hrs - 15:35 Hrs	A Study To Correlate Extent Of Resection With Functional Outcomes In Low Grade Glioma	<b>Dr Dhaval Bhesaniya</b>
15:35 Hrs - 15:40 Hrs	Post-Surgery Insights: Exploring Neurocognitive Enigma in Low-Grade Glioma Involving the Superior Longitudinal Fasciculus	<b>Dr Sreya Konusu</b>
15:45 Hrs - 15:50 Hrs	Assessing Functional Outcomes in Intradural Extramedullary Tumors : The Role of Intraoperative Neurophysiological Monitoring	<b>Ms Parani L</b>
15:50 Hrs - 15:55 Hrs	Neurocognitive performance in patients undergoing awake craniotomy for insular glioma in comparison with healthy controls	<b>Ms Tanya Zakhmi</b>
15:55 Hrs - 16:00 Hrs	D wave Monitoring for intra medullary spinal cord tumors: A prospective study	<b>Mr John Thomas</b>
<b>16:00 Hrs - 16:40 Hrs</b>	<b>Session 6</b> Neuromonitoring in Epilepsy and functional neurosurgery <b>Dr Prasanna Bidkar, Dr Arivazhagan, Dr Parampreet Singh, Dr Nishanth Sampath, Dr Navneet Singla</b>	
16:00 Hrs - 16:10 Hrs	Role of stereo-electroencephalography and electrocorticography to localize networks in MRI negative epilepsy	<b>Dr P Sarat Chandra</b>
16:10 Hrs - 16:20 Hrs	IONM in epilepsy surgery	<b>Dr Dattatray Muzumdar</b>
16:20 Hrs - 16:30 Hrs	Role of Neurophysiology in influencing surgical remedy for drug resistance epilepsy	<b>Dr Satyakam Baruah</b>

# SCIENTIFIC PROGRAM

## DAY 1: 09 NOVEMBER, 2024 (SATURDAY)

Time	Session	Speaker
16:30 Hrs - 16:40 Hrs	"Decoding the subthalamic nucleus : crossroads with local field potential and micro electrode recording"	<b>Dr Krishnakumar Pisharady</b>
<b>16:40 Hrs - 17:30 Hrs</b>	<b>Session 7</b> Prof Sandip Chatterjee and his contribution to the Society for intra operative neurophysiology <b>Dr Rajshree Deopujari, Dr Krishnakumar Pisharady , Dr SK Gupta, Dr Ashwini Choudhury</b>	
16:40 Hrs - 16:50 Hrs	Dr Sandip Chatterjee : Neurosurgeon and Wordsmith	<b>Dr Pravin Salunke</b>
16:50 Hrs - 17:00 Hrs	The early graph of IONM in India	<b>Dr Srinivasa Babu</b>
17:00 Hrs - 17:10 Hrs	Challenges faced in incorporating IONM as a module among Physiologists	<b>Dr Askok Jaryal</b>
17:10 Hrs - 17:20 Hrs	Dr Sandip Chatterjee and IONM at eastern part of India	<b>Dr Nilaya Biswas</b>
17:20 Hrs - 17:30 Hrs	Beginning of IONM Society	<b>Dr Roopesh Kumar</b>
<b>17:30 Hrs - 18:30 Hrs</b>	<b>SION – GBM</b>	
<b>19:30 Hrs Onwards</b>	<b>Gala Dinner, Hotel Mount View</b>	

## DAY 2: 10 NOVEMBER, 2024 (SUNDAY)

<b>08:00 Hrs - 09:10 Hrs</b>	<b>Session 8</b> Award Paper Session <b>Dr Ropesh Kumar, Dr Ashok Jaryal, Dr Aliasgar Moiyadi, Dr Asish Aggarwal</b>	
08:00 Hrs - 08:10 Hrs	Language and Cognition in Eloquent Area Gliomas undergoing Awake Craniotomy	<b>Dr Syed Yasin Shahtaz Emanee</b>
08:10 Hrs - 08:20 Hrs	A Comparative Analysis Of The Outcome Of Two Surgical Procedures For Vestibular Schwannoma Excision - Extra Capsular Approach Without Neuro Monitoring And Excision With Intra Operative Neuro Monitoring	<b>Dr KSD Pradeep</b>
08:20 Hrs - 08:30 Hrs	A Young Neurosurgeons Early Experience Of Direct Cortical And Sub Cortical Stimulation In Neuromonitoring	<b>Dr Akash Prabhu</b>
08:30 Hrs - 08:40 Hrs	Intraoperative Neuro-Monitoring In Spine Deformity Correction Surgery	<b>Dr Barsha Baishali Parida</b>
08:40 Hrs - 08:50 Hrs	Prospective Analysis of Intraoperative neuromonitoring (IONM) in patients with intramedullary spinal cord tumors and its comparison with intramedullary tumors without IONM: A single centre study	<b>Dr Saurabh Raina</b>
08:50 Hrs - 09:00 Hrs	Mapping of cranial nerve nuclei during surgery for intrinsic brainstem tumors.	<b>Dr Srivats Muralidharan</b>
<b>09:00 Hrs - 10:00 Hrs</b>	<b>Session 9</b> Brain tumors : Language function and Neuro psychology <b>Dr A Prabhuraj, Dr Vamsi Krishna, Dr Ishwar Singh, Dr Rajiv Chauhan</b>	
09:00 Hrs - 09:10 Hrs	Language and speech in Neurosurgery : Regions vs Networks	<b>Dr Arivazhagan</b>
09:10 Hrs - 09:20 Hrs	Basics of intra operative language mapping	<b>Dr Prashant</b>
09:20 Hrs - 09:30 Hrs	Importance of Language mapping in glioma surgery	<b>Dr Ishwar Chandra PremSagar</b>
09:30 Hrs - 09:40 Hrs	Higher order cognitive assessment during awake intra operative procedures	<b>Dr Adarsh Kumar</b>

# SCIENTIFIC PROGRAM

## DAY 2: 10 NOVEMBER, 2024 (SUNDAY)

Time	Session	Speaker
09:40 Hrs - 09:50 Hrs	Neuropsychological consequences of awake craniotomy and its management	Dr Manju Mohanty
09:50 Hrs - 10:00 Hrs	Psychodiagnostics of Brain tumor patients as a part of the WHO Continuum of Care'.	Dr Ashima Nehra
<b>10:00 Hrs - 11:00 Hrs</b>	<b>Session 10</b> Role of IONM in Spine surgery- Tumor and Deformity correction <b>Dr Saravdeep Dhatt, Dr Karthigeyan M , Dr A R Prabhuraj , Dr Alok Umredkar</b>	
10:00 Hrs - 10:10 Hrs	IONM in spinal tumors: Neurophysiologists experience at NIMHANS	Dr Kaviraja Udupa
10:10 Hrs - 10:20 Hrs	Intraoperative neuromonitoring during selective dorsal rhizotomy for Spastic Cerebral Diplegia.	Dr Nishanth Sadashiva
10:20 Hrs - 10:30 Hrs	IONM in cervical compressive myelopathy	Dr Vamsi Krishna
10:30 Hrs - 10:40 Hrs	Does IONM require in spinal fusion surgery ?	Dr Deepak Bhangale
10:40 Hrs - 10:50 Hrs	IONM in spine surgery: Maximizing accuracy in pedicle screw placement and tumor resection	Dr Mohan Rao Patibandhla
10:50 Hrs - 11:00 Hrs	D waves monitoring during high spinal cord tumours	Dr Bhuvaneshwari Rajendran
<b>11:10 Hrs - 12:10 Hrs</b>	<b>Prof Sandip Chatterjee Oration</b> <b>Dr SK Gupta, Dr Ashok Jaryal, Dr Roopes Kumar, Dr S S Grewal</b>	
11:10 Hrs - 11:15 Hrs	Introduction to Dr Sandip Chatterjee	Dr Arjun Dasgupta
11:15 Hrs - 11:20 Hrs	Introduction to the Orator	Dr Sushant Kumar Sahoo
11:20 Hrs - 12:00 Hrs	The contribution of intraoperative neurophysiology for awake mapping in glioma patients: toward a meta-networking theory of neural processing	Oration : Prof Duffau
12:00 Hrs - 12:10 Hrs	Felicitation	
<b>12:10 Hrs - 13:00 Hrs</b>	<b>Session 11</b> IONM and Pediatric neurosurgery <b>Dr Bhuvaneshwari Rajendran, Dr Vineet Saggar, Dr Deepak Bhangale, Dr V K Batish</b>	
12:10 Hrs - 12:20 Hrs	Bulbocavernosus reflex monitoring in Tethered cord surgery	Dr Ranjith Murty
12:20 Hrs - 12:30 Hrs	Challenges in IONM in pediatric patients	Dr Nilaya Biswas
12:30 Hrs - 12:40 Hrs	Intra operative improvement in muscle MEP signal amplitude in surgeries of spine and spinal cord	Dr Arjun Shankar Dasgupta
12:40 Hrs - 12:50 Hrs	Intra Operative Neuro monitoring in Spinal Dysraphism	Dr Subash Konar
12:50 Hrs - 13:00 Hrs	Electro corticography in epilepsy surgery	Dr Ramnadh
<b>13:00 Hrs - 14:00 Hrs</b>	<b>Lunch</b>	

# SCIENTIFIC PROGRAM

DAY 2: 10 NOVEMBER, 2024 (SUNDAY)

Time	Session	Speaker
14:00 Hrs - 15:28 Hrs	<b>Session 12</b> Initial experience and challenges in IONM practice <b>Dr Ravi Garg, Dr Subas Konar, Dr Nishanth Sadashiva, Dr Kiran Jangra, Dr HBS Sodhi</b>	
14:00 Hrs - 14:08 Hrs	Awake craniotomy and our experience in last 3 years	<b>Dr Shighakolli Ramesh</b>
14:08 Hrs - 14:16 Hrs	Neuromonitoring in giant Vestibular schwannoma : satisfactory preservation of facial nerve function or hungry for more ?	<b>Dr Asish Pattnaik</b>
14:16 Hrs - 14:24 Hrs	Awake craniotomy in eloquent area of brain : an early institutional experience	<b>Dr Sashwat Dandapat</b>
14:24 Hrs - 14:32 Hrs	IONM in need is a friend in deed; a beginners perspective	<b>Dr Dibya Jyoti Mahakul</b>
14:32 Hrs - 14:40 Hrs	Intraoperative Neuromonitoring and Technical challenges in Scoliosis & Kyphosis Surgery	<b>Dr Mukesh kumar</b>
14:40 Hrs - 14:48 Hrs	Intra operative Neurophysiological Monitoring : Insights and experience from AIIMS Jodhpur	<b>Dr Mahesh Arjundan Gadhvi</b>
14:48 Hrs - 14:56 Hrs	Things that affect diagnostic accuracy in IONM	<b>Dr Sajo Thomas</b>
14:56 Hrs - 15:04 Hrs	Triple Flexion Positioning In CP Angle Tumour Surgery:Challenges Faced	<b>Dr Sharath Krishnaswami</b>
15:04 Hrs - 15:12 Hrs	MEPs Neuromonitoring in Dorsal Spine Surgeries: A Case Series of 5 Patients – Our Institutional Experience	<b>Dr Mummaka Siva Prasad</b>
15:12 Hrs - 15:20 Hrs	Awake mapping and resection of subcentral gyrus tumor – case illustration and technical description	<b>Dr Ketan Kshirsagar</b>
15:20 Hrs - 15:28 Hrs	Nuances of high frequency stimulation for lesions close to M1 : An illustrated case	<b>Dr Ashwin Rai</b>
15:30 Hrs Onwards	<b>Valedictory Function</b>	

**ORGANISED BY**  
**Department of Neurosurgery**


PGIMER, Chandigarh



**CONFERENCE SUPPORTED BY**



No. A4, Shanthi Apartments, 18, TTK 1st Cross Street,  
Alwarpet, Chennai - 600 018.

Tel : 91 44 24353079, 24328152, 24357194

 sioncon2024@gmail.com

 01722756699  9416358829