



تجمع الرياض الصحي الثاني
Riyadh Second Health Cluster

19TH ANNUAL MEETING OF THE SAUDI ASSOCIATION OF NEUROLOGICAL SURGERY

AI: REVOLUTIONIZING NEUROSURGICAL FRONTIERS



**ABSTRACT SUBMISSION
DEADLINE** **NOVEMBER 1ST, 2024**

Venue:



CROWNE PLAZA
AN IHG[®] HOTEL
RIYADH
RDC HOTEL & CONVENTION CENTER

PRE-CONFERENCE: 31ST JANUARY, 2025

CONFERENCE: 1ST - 2ND FEBRUARY, 2025

16 CME
ACCREDITED

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KonozRetaj

19TH ANNUAL MEETING OF
THE SAUDI ASSOCIATION OF NEUROLOGICAL SURGERY

**AI : REVOLUTIONIZING
 : NEUROSURGICAL FRONTIERS**



Program at A Glance

| Friday 31 st January 2025 | TIME | KFMC - FOM | KFMC - FOM | KFMC - FOM | KFMC - FOM | KFMC - FOM | KFMC (Main Hospital) | TBD |
|---|--|---|---|-------------------------|--------------------------------------|--------------------|----------------------|---|
| | | 08:00 - 17:00 | Neuroimaging processing and integration | Neurolife | 102 neurosurgery dissection workshop | SANS Review course | Students Boot Camp | Hands-on microvascular bypass and endovascular workshop |
| Saturday 1 st February 2025 | TIME | HALL A | | | HALL B | | HALL C | |
| | 08:00 - 09:00 | Plenary Session 1 | | | | | | |
| | 09:00 - 09:30 | Keynote Speech (Dr. Khalaf Al Motaire's lecture) | | | | | | |
| | 09:30 - 10:00 | Opening Ceremony | | | | | | |
| | 10:00 - 10:30 | Coffee Break | | | | | | |
| | 10:30 - 12:00 | Plenary Session 2 | | | | | | |
| | 12:20 - 13:00 | Lunch Break | | | | | | |
| | 13:00 - 15:00 | General and Trauma | | | Spine Session | | Complication Session | |
| | 15:00 - 15:30 | Coffee Break | | | | | | |
| | 15:30 - 17:30 | Vascular session (Saudi Society of Neurological Interventions) | | | Oncology | | Abstract session | |
| 17:30 - 19:00 | General Assembly (SANS) | | | | | | | |
| 08:00 - 09:00 | Plenary Session 3 | | | | | | | |
| 09:00 - 09:30 | Keynote speech (Zain Alabedeen Jamjoom's Lecture) | | | | | | | |
| 09:40 - 10:00 | Coffee Break | | | | | | | |
| 10:00 - 11:10 | Plenary Session 4 | | | | | | | |
| 11:10 - 12:00 | Plenary Session 5 | | | | | | | |
| 12:10 - 13:00 | Lunch Break | | | | | | | |
| 13:00 - 15:00 | Skull Base | | | Peripheral Nerve | | Abstract session | | |
| 15:00 - 15:30 | Coffee Break | | | | | | | |
| 15:30 - 17:30 | Paediatric Session | | | Functional and epilepsy | | Abstract session | | |

DAY 1:

Saturday, 1st Febraury, 2025

Session 1: 08:00 - 09:00

Hall A: Plenary Session 1

Chairpersons: Dr. Abdullah AlObaid

| TIME | TOPIC | SPEAKER |
|---------------|--|--------------------|
| 08:00 - 08:20 | The use of generative AI in clinical practice, research, medical and patient education | Dr. Fahad AlJandan |
| 08:20 - 08:40 | The future of AI assisted image analysis in functional Neurosurgery | Dr. Abbas Sadikot |
| 08:40 - 08:50 | Industrial session I | |
| 08:50 - 09:00 | Discussion | |

Session 2: 09:00 - 09:30

Hall A: Keynote Speech (Dr. Khalaf Al Motaire's lecture)

Chairpersons: Dr. Faisal Farrash

| TIME | TOPIC | SPEAKER |
|---------------|---|---|
| 09:00 - 09:05 | Speaker Introduction | Dr. Faisal Farrash |
| 09:05 - 09:30 | Translating finding from the bench to the clinic and back again | Dr. Michael Lim |
| 09:30 - 10:00 | Opening Ceremony and SANS Gold Medal Award | Dr. Fahd AlSubaie Dr. Abdulrazag Ajlan |
| 10:00 - 10:30 | Coffee Break | |

DAY 1:

Saturday, 1st Februaury, 2025

Session 3: 10:30 - 12:00

Hall A: Plenary Session 2

Chairpersons: Dr. Basim Noor Elahi | Dr. Maqsood Ahmed | Dr. Abdullah AlOбайд

| TIME | TOPIC | SPEAKER |
|---------------|--|-------------------------|
| 10:30 - 10:50 | Augmented reality in Neurosurgery | Dr. Stephen Monteith |
| 10:50 - 11:10 | Governance of neurotechnology clinical privileges | Dr. Faisal Bin Suwaidan |
| 11:10 - 11:30 | Saudi health insurance market: Patient classification system | Dr. Essam Alshail |
| 11:30 - 11:45 | Medical malpractice Suits: How to avoid it? | Dr. Sami AlNassar |
| 11:45 - 12:00 | Nerve transfer for spinal cord injury | Dr. Zakry Ray |
| 12:00 - 12:10 | Discussion | |
| 12:10 - 12:20 | Industrial session | |
| 12:20 - 01:00 | Lunch Break | |

DAY 1:

Saturday, 1st Febraury, 2025

Session 4A: 13:00 - 15:00

Hall A: General and Trauma

Chairpersons: Dr. Waleed AlMohammadi | Dr. Mohammed Altalib | Dr. Abdulrahman Alanazi

| TIME | TOPIC | SPEAKER |
|---------------|---|-------------------------|
| 13:00 - 13:10 | C1-C2 traumatic subluxation | Dr. Jehad Ahmed |
| 13:10 - 13:25 | External validation of CT criteria for thoracolumbar PLC injury: A multi-center study | Dr. Mohammed Aly |
| 13:25 - 13:35 | Cranio-cervical dislocation associated with traumatic PICA dissection | Dr. Ahmed Aljishi |
| 13:35 - 13:45 | Trend of MIS in Spine Surgery | Dr. Turki AlAnezi |
| 13:45 - 13:52 | Inflammatory disease mimics CNS tumours | Dr. Abdulhadi AlQahtani |
| 13:52 - 14:00 | Acute burst fracture, is kyphoplasty an option? | Dr. Motasem Khalil |
| 14:00 - 14:05 | Discussion | |
| 14:05 - 14:15 | Early cranioplasty after Decompressive craniectomy in traumatic brain injury | Dr. Safwat Abdouhashem |
| 14:15 - 14:25 | Novel approach to the anterior cervical spine | Dr. Abdulaziz AlZailaee |
| 14:25 - 14:35 | Head injury patients in the neurocritical care | Dr. Adel AlZahrani |
| 14:35 - 14:45 | Never give up | Dr. Moajeb AlZahrani |
| 14:45 - 14:55 | Traumatic superior sagittal sinus injury: challenges and approaches | Dr. Ahmed AlJishi |
| 14:55 - 15:00 | Discussion | |
| 15:00 - 15:30 | Coffee Break | |

DAY 1:

Saturday, 1st Febraury, 2025

Session 4B: 13:00 - 15:00

Hall B: Spine Session

Chairpersons: Dr. Amro Al-Habib | Dr. Wael Alshaya | Dr. Ahmed AlZahrani | Dr. Mohammed Halawani

| TIME | TOPIC | SPEAKER |
|---------------|---|-------------------------|
| 13:00 - 13:12 | 2030 Spine Vision | Dr. Abdulwahed Barnawi |
| 13:12 - 13:15 | Discussion | |
| 13:15 - 13:27 | Bibliometric analysis of medicolegal aspects in spine surgery | Dr. Abdulhadi Algahtani |
| 13:27 - 13:30 | Discussion | |
| 13:30 - 13:42 | Spinal injuries associated with other body injuries, prediction of the co-existence? | Dr. Mubarak Algahtany |
| 13:42 - 13:45 | Discussion | |
| 13:45 - 14:57 | Shared decision making in Spine surgery, a tool for better outcomes! | Dr. Fawaz Almotairi |
| 13:57 - 14:00 | Discussion | |
| 14:00 - 14:12 | UBE unilateral biportal endoscopic spine surgery: applications and how to start | Dr. Dhawi Alotaibi |
| 14:12 - 14:15 | Discussion | |
| 14:15 - 14:27 | Transforaminal Endoscopic Approach as a simple solution for what we were considering complex. | Dr. Hussam Jabri |
| 14:27 - 14:30 | Discussion | |
| 14:30 - 14:42 | The role of the spine surgeon in pain interventions | Dr. Rakan Bokhari |
| 14:42 - 14:45 | Discussion | |
| 14:45 - 14:57 | Kyphectomy in MMC patients | Dr. Sami Aleissa |
| 14:57 - 15:00 | Discussion | |
| 15:00 - 15:30 | Coffee Break | |

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DAY 1:

Saturday, 1st Februaury, 2025

Session 4C: 13:00 - 15:00

Hall C: Complication Session

Chairpersons: Dr. Mohammed Aref | Dr. Wisam Alissawi

| TIME | TOPIC |
|---------------|---|
| 13:00 - 15:00 | Analysing neurosurgical adversities: cases and strategies |
| 15:00 - 15:30 | Coffee Break |

DAY 1:

Saturday, 1st Febraury, 2025

Session 5A: 15:30 - 17:30

Hall A: Vascular session (Saudi Society of Neurological Interventions)

Chairpersons: Dr. Abdulrahman AlTurki | Dr. Naif Alharbi | Dr. Yasser Orz | Dr. Hosam AlJehani |
Dr. Khalid Bajunaid

| TIME | TOPIC | SPEAKER |
|---------------|--|-------------------------|
| 15:30 - 15:40 | Greeting and Introduction to the SANS and SSNI Collaboration | Dr. Abdulrahman AlTurki |

Session 1: Moderators (Dr. Naif Alharbi | Dr. Yaser Orz)

| | | |
|---------------|---|----------------------|
| 15:40 - 15:55 | cSDH: Should we Rethink the Way we treat it ? | Dr. Mazen AlOtaibi |
| 15:55 - 16:10 | Wide Neck Aneurysm, Endovascular Options ? | Dr. Mohammed Basamh |
| 16:10 - 16:25 | Bypass Indications and Teqhnique | Dr. Stephen Monteith |
| 16:25 - 16:35 | Discussion | |

Session 2: Moderators (Dr. Hosam Aljohani | Dr. Khalid Bajunaid)

| | | |
|---------------|--|-------------------------|
| 16:35 - 16:50 | Advances in Stroke Care: What's New and What Matters | Dr. Saeed Alzahrani |
| 16:50 - 17:05 | Behind the Headache: A Closer Look at Idiopathic Intracranial Hypertension | Dr. Abdulrazag Albilali |
| 17:05 - 17:20 | Unruptured AVM, how should we approach | Dr. Abdullah Alobaid |
| 17:20 - 17:30 | Discussion | |

DAY 1:

Saturday, 1st Febraury, 2025

Session 5B: 15:30 - 17:30

Hall B: Oncology

Chairpersons: Dr. Faisal Farrash | Dr. Nabeel AlNaghmoosh | Dr. Sherif Elwadity

| TIME | TOPIC | SPEAKER |
|---------------|---|----------------------|
| 15:30 – 15:45 | Immunotherapy for brain tumors | Dr. Michael Lim |
| 15:45 – 16:00 | ERAS protocols in brain tumour surgery: can we use them in the era of healthcare transformation | Dr. Mahmood Taha |
| 16:00 – 16:15 | New Identity of meningioma and related implications | Dr. Maher Hassounah |
| 16:15 – 16:30 | Low grade glioma treatment strategies and standards | Dr. Ahmed Lary |
| 16:30 – 16:45 | Is the transcallosal safer in resection of 3 rd ventricular colloid cyst a single centre experience | Dr. Abdu Khayri |
| 16:45 – 17:00 | Central neurocytoma management approaches and challenges | Dr. Wisam Alissawi |
| 17:00 – 17:15 | Craniopharyngioma surgical management: optimizing patient outcome | Dr. Mohammed Ala'sha |
| 17:15 – 17:30 | Discussion | |

DAY 1:

Saturday, 1st Febraury, 2025

Session 5C: 15:30 - 17:30

Hall C: Abstract session

Chairpersons: Dr. Naif AlOtaibi | Dr. Khalid AlTohainy | Dr. Abdullah Alobaid

| TIME | TOPIC | PRESENTER |
|---------------|---|------------------------|
| 15:30 - 15:40 | A Machine Learning Approach for Stratifying ICTAL EEG Patterns and Optimizing Epilepsy Surgery Outcomes | Dr. Afnan Alkhotani |
| 15:40 - 15:50 | Combined "Hybrid" Open Surgical and Endovascular Embolization of Complex Dural Arteriovenous Fistulas | Dr. Mohamed Elhammady |
| 15:50 - 16:00 | Endoscopic Transclival Approach to Brainstem Cavernomas: Our Preliminary Experience and The Role of Diffusion Tensor Imaging with Tractograph | Dr. Alessio Iacoangeli |
| 16:00 - 16:10 | Long Term Outcome of Craniotomy and Excision of Olfactory Groove Meningioma | Dr. Tariq Saleh |
| 16:10 - 16:20 | Robotic Surgery for Cerebral Arteriovenous Malformation | Dr. Biam A Saydo |
| 16:20 - 16:30 | Discussion | |
| 16:30 - 16:40 | Advancing Surgical Precision: Extended Endoscopic Endonasal Approach for C1-C2 Traumatic and Inflammatory Lesions | Dr. Alessio Iacoangeli |
| 16:40 - 16:50 | Trigeminal Neuralgia Management in multiple Sclerosis Patients: Approaches and Outcomes | Ms. Ola Bin Shilash |
| 16:50 - 17:00 | Electrical cortical Mapping in Glioma Surgeries, Simplicity with Novelty | Dr. Muhammad Imtiaz |
| 17:00 - 17:10 | Does Decompressive Craniectomy Enhance Outcomes When Added to Hematoma Evacuation for Spontaneous Supratentorial Intracranial Hematoma? A systemic Review and Meta-Analysis | Dr. Ahmed Mousa |
| 17:10 - 17:20 | Utilization of Artificial Intelligence and minimally Invasive Techniques in Spine Surgery | Dr. Mohammad Abu Kaff |
| 17:20 - 17:30 | Cervical Spine Involvement in Rheumatoid Arthritis: A relationship between Clinical Manifestations and Magnetic Resonance Imaging findings | Dr. Ghaida Aljdhaa |
| 17:30 - 17:40 | Discussion | |

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DAY 1:

Saturday, 1st Febraury, 2025

17:30 - 19:00

Hall A: Saudi Neurosurgical Society General Assembly

Chairpersons: Dr. Abdulrazag Ajlal

| TIME | TOPIC |
|---------------|---|
| 17:30 - 19:00 | Saudi Neurosurgical Society General Assembly All SANS members |

End of Day 1

DAY 2:

Sunday, 2nd February, 2025

Session 6: 08:00 - 09:00

Hall A: Plenary Session 3

Chairpersons: Dr. Fahad AlOtaibi | Dr. Abdullah AlObaid | Dr. Ali Binsalamah | Dr. Khaled AlMusrea

| TIME | TOPIC | SPEAKER |
|---------------|--|-----------------------|
| 08:00 - 08:20 | HealthNex AI; revolutionizing Care Delivery in KSA | Dr. Mona AlMehaid |
| 08:20 - 08:35 | New Horizons in the Management of Low-Grade Glioma | Dr. MUSAAD Alyahya |
| 08:35 - 08:50 | Novel classification of Vertebrobasilar system | Dr. Mohammed Bafaqeeh |
| 08:50 - 09:00 | Discussion | |

Session 7: 09:00 - 09:30

Hall A: Keynote speech - (Zain Alabedeen Jamjoom's lecture)

| TIME | TOPIC | SPEAKER |
|---------------|---------------------------------------|----------------------|
| 09:00 - 09:05 | Speaker introduction | Dr. Khalid AlMusrea |
| 09:05 - 09:30 | AI & Computation Reshaping Healthcare | Dr. Mahmoud AlYamany |
| 09:30 - 09:40 | Industrial Session III | |
| 09:40 - 10:00 | Coffee Break | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 8: 10:00 - 11:10

Hall A: Plenary Session 4

Chairpersons: Dr. Mohammed Alyousef | Dr. Abdulrazag Ajlan | Dr. Abdu Khairy

| TIME | TOPIC | SPEAKER |
|---------------|--|---|
| 10:00 - 10:20 | Forum: Neurosurgical Publishing in Era of AI | Dr. Khalid Siddiqui Dr. Saleh Baessa Dr. Abdulrahman Sabbagh Dr. Mohammed Bafaqeeh |
| 10:20 - 10:35 | Gamma knife radiosurgery: Current concepts and controversies in the management of vestibular schwannomas | Dr. David Mathieu |
| 10:35 - 10:50 | Endoscopic Pituitary surgery: learning curve | Dr. Mahmoud Messerier |
| 10:50 - 11:00 | Discussion | |

Session 9: 11:00 - 12:10

Hall A: Plenary Session 5

Chairpersons: Dr. Ahmed Lary | Dr. Abdulrahman Sabbagh | Dr. Mohammed Bafaqeeh

| TIME | TOPIC | SPEAKER |
|---------------|---|------------------------|
| 11:00 - 11:15 | Judiciary – judicial circuits | Dr. Saleh Khunein |
| 11:15 - 11:30 | AI in Neuromodulation | Dr. Milad Girgis |
| 11:30 - 12:00 | Selective Dorsal Rhizotomies: From pathophysiology to long term functional outcome | Dr. Jean Pierre Farmer |
| 12:00 - 12:10 | Discussion | |
| 12:10 - 12:15 | Industrial Session IV | |
| 12:15 - 13:00 | Lunch Break | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 10A: 13:00 - 15:00

Hall A: Skull Base session

Chairpersons: Dr. Gmaan Alzahrani | Dr. Mohammed Alkutbi | Dr. Homoud Aldahash

| TIME | TOPIC | PRESENTER |
|---------------|---|------------------------|
| 13:00 - 13:15 | Craniopharyngioma: general review and updates | Dr. Mashael Al Marwani |
| 13:15 - 13:30 | Open surgery for Craniopharyngioma | Dr. Abdu Khayri |
| 13:30 - 13:45 | Endoscopic surgery for Craniopharyngioma | Dr. Abdulrazzg Ajlan |
| 13:45 - 14:00 | Radiation therapy in craniopharyngioma | Dr. Hosam AlAssaf |
| 14:00 - 14:15 | Discussion | |
| 14:15 - 14:30 | Art of endoscopic endonasal approach in clival chordoma resection | Dr. Ashwag Alqurashi |
| 14:30 - 14:45 | Transoral approach for chordoma at Craniocervical junction | Dr. Faisal Farrash |
| 14:45 - 15:00 | Role of radiation therapy in management of chordoma | Dr. Ameen AlOmar |
| 15:00 - 15:30 | Discussion | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 10B: 13:00 - 15:00

Hall B: Peripheral Nerve

Chairpersons: Dr. Fawaz AlOtaibi | Dr. Afnan AlKhotani | Dr. Ahmed AlOraidi

| TIME | TOPIC | PRESENTER |
|---------------|---|---------------------|
| 13:00 – 13:20 | Electrodiagnostics in nerve injuries | Dr. Mazen AlOmar |
| 13:20 – 13:35 | Decision making in nerve injuries | Dr. Fawaz AlOtaibi |
| 13:35 – 13:55 | 5 personal contributions to surgery of the brachial plexus | Dr. Mohammed Qattan |
| 13:55 – 14:15 | Electrical Stimulation for nerve regeneration | Dr. Zack Ray |
| 14:15 – 14:35 | Rewiring the Nerves, peripheral Nerve Surgeries with Neurophysiology Monitoring | Dr. Muhammed Imtiaz |
| 14:35 – 14:50 | Facial nerve reanimation | Dr. Zayed AlShaalan |
| 14:50 – 15:00 | Discussion | |
| 15:00 – 15:30 | Coffee Break | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 10C: 13:00 - 15:00

Hall C: Abstract session

Chairpersons: Dr. Amal AlYahya | Dr. Turki AlEnazi | Dr. Mohammed Bafaqeeh

| TIME | TOPIC | PRESENTER |
|---------------|--|--------------------------|
| 13:00 – 13:10 | Convolutional Neural Networks (CNN) In Skull Base Tumors: Using Machine Learning to Navigate the Best Surgical Approach | Dr. Maeen Aldamouni |
| 13:10 – 13:20 | Neurophysiological and Behavioral Effects of Combining Transcranial Direct Current Stimulation (tDCS) and Modified-Constraint Induced Movement Therapy (mCIMT) (tDCS and mCIMT) | Dr. Saja A. Alhadlaq |
| 13:20 – 13:30 | The Efficacy of Topical Vancomycin in Patients Went for Craniotomy to Reduce the Risk of Surgical Site Infection: A Systematic Review and Meta-Analysis | Dr. Abdulrahman Alotaibi |
| 13:30 – 13:40 | Sacroiliac Joint Fusion: A Cohort Study Comparing Minimally Invasive Navigation-Assisted and Robotic-Guided Techniques | Dr. Mohamad Bakhaidar |
| 13:40 – 13:50 | Increased Spinal Cord Stiffness with Extramedullary Compression, Quantitative Evaluation Using Intraoperative Ultrasound Elastography, and Development of Elasticity Index | Dr. Ghaida Alawaji |
| 13:50 – 14:00 | Discussion | |
| 14:00 – 14:10 | Anatomical Insights into the V2 Segment of the Vertebral Artery: A Cadaveric Study on Measurements and Surgical Implications for Safe ACDF Procedures | Dr. Mohammed Almanna |
| 14:10 - 14:20 | Superior and Middle Cluneal Nerve Entrapment: A Systematic Review of clinical features, diagnostic workups, surgical outcomes and prognosis of 236 cases. | Mr. Osama Alkulli |
| 14:20 – 14:30 | Bio mechanical Outcomes of Thoracic Spine Decompression Alone Versus Decompression with Fixation: A Finite Element Analysis Study | Dr. Ahmad Albeshri |
| 14:30 – 14:40 | Investigating the Efficacy of Combining Virtual Reality-Based Mirror Therapy (VRMT) and Transcranial Direct Current Stimulation (tDCS) to Improve Upper Limb Recovery in Patients with Stroke (tDCS) | Dr. Rahaf T Altowairqi |
| 14:40 – 14:50 | Incidence, Clinical Characteristics and Outcome of Intracranial Brain Abscess among Pediatric Patients in Saudi Arabia: multi-center study | Dr. Hassan Alturaiki |
| 14:50 -15:00 | Discussion | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 11A: 15:30 - 17:30

Hall A: Paediatric session

Chairpersons: Dr. Abdulelah Alluhaiby | Dr. Rami Alshamrani | Dr. Ayman AlBanyan

| TIME | TOPIC | SPEAKER |
|---------------|---|------------------------|
| 15:30 – 15:45 | Are EVDs still needed in babies?? Ventriculo-subgaleal shunt is the ticket! | Dr. Ibrahim Alnaami |
| 15:45 – 16:00 | Chiari 1 malformation: complicate the simple or simplify the complex | Dr. Othman Alhammad |
| 16:00 – 16:15 | The delayed, the complicated and the unusual: Personal series of surgically treated complex craniosynostosis | Dr. Tariq Algared |
| 16:15 – 16:30 | Fighting against the odds: Pediatric brain tumor surgery and the struggle for comprehensive care | Dr. Yahya Khormi |
| 16:30 – 16:45 | Calvarial DISTRACTION Osteogenesis:concept and applications | Dr. Abdulrazag Alojlan |
| 16:45 – 17:00 | Intraventricular hemorrhage of prematurity should we intervene early ? | Dr. Maryam Alotaibi |
| 17:00 – 17:15 | Seizure outcome in Pediatric Moyamoya Disease after indirect revascularization | Dr. Abdullah Alramadan |
| 17:15 – 17:30 | Entrapped 4 th ventricle: Challenges highlight and Treatment options | Dr. Fehaid Habalrih |
| 17:30 – 17:40 | Discussion | |
| 17:40 – 18:00 | Neurographics Result & Closing Ceremony | |

DAY 2:

Sunday, 2nd Febraury, 2025

Session 11B: 15:30 - 17:30

Hall B: Functional and epilepsy

Chairpersons: Dr. Andrew Parrent | Dr. Ahmed AlNajjar

| TIME | TOPIC | PRESENTER |
|------|-------|-----------|
|------|-------|-----------|

First session: Functional Neurosurgery.

| | | |
|---------------|---|-----------------------|
| 15:30 - 15:50 | Novel and classical approaches to the thalamus for tremors | Dr. Abbas Sadikot |
| 15:50 - 16:00 | Psychiatric disorders neuromodulation, luxury, or basic need? | Dr. Ahmed Alkhani |
| 16:00 - 16:10 | Machine brain interface | Dr. Faisal Alotaibi |
| 16:10 - 16:20 | Pain neuromodulation recent advances | Dr. Abdulrahman Nazer |
| 16:20 - 16:30 | Discussion | |
| 16:30 - 16:40 | Industrial Session 5 | |

Second session: Epilepsy surgery.

Dr. Abbas Sadikot | Dr.Ibrahim AlThobaiti | Dr. Abdulrahman Sabbagh

| | | |
|---------------|--|--------------------|
| 16:40 - 17:00 | Therapeutic Brain stimulation for epilepsy | Dr. Andrew Parrent |
| 17:00 - 17:10 | Epilepsy surgery Failure overview | Dr. Saleh Baesa |
| 17:10 - 17:20 | Vertical hemispherectomy | Dr. Fahad Alotaibi |
| 17:20 - 17:30 | SEEG Complications in the literature | Dr. Fawaz Alotaibi |
| 17:30 - 17:40 | Discussion | |

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DAY 2:

Sunday, 2nd Febraury, 2025

Session 11C: 15:30 - 17:30

Hall C: Abstract session

Chairpersons: Dr. Ayman Bahatheq | Dr. Abdulaziz AlMubarak | Dr. Basim Noor Elahi

| TIME | TOPIC | PRESENTER |
|---------------|---|--------------------------|
| 15:30 - 15:40 | Volume embolization ratio of coiled cerebral aneurysms, does awake technique affect the results? | Dr. Hany Eldawoody |
| 15:40 - 15:50 | Preventive Pial Synangiosis Before Bone Marrow Transplantation Mitigates Central Nervous System Complications in Sickle Cell Disease with MoyaMoya Syndrome in a Pediatric Population | Dr. Maryam Enani |
| 15:50 - 16:00 | Duration of Surgery as a Risk factor for Post-Endoscopic Skull Base Surgery Infection | Dr. Mohannad Mallat |
| 16:00 - 16:10 | Prevalence and Correlation of Psychological Symptoms in Newly Diagnosed Brain Tumor Patients: A Cross-Sectional Study | Dr. Waseem Alharthi |
| 16:10 - 16:20 | Difference in Protein Expression (MMP2 and CXCL1) Within Metastatic Tumors to The Brain | Dr. Sarah Basindwah |
| 16:20 - 16:30 | Discussion | |
| 16:30 - 16:40 | Advanced Magnetic Resonance Imaging for Glioblastoma: Oncology-Radiology Integration | Dr. Abdulrahim Alrasheed |
| 16:40 - 16:50 | Temporizing Neurosurgical Procedures in the Management of post-hemorrhagic hydrocephalus: systemic review and meta-analysis | Dr. Saud Alsedrah |
| 16:50 - 17:00 | Pseudotemporal Expression of Genes Related to Autism in Normal Adult Human Spinal Cord | Dr. Abdulrahman Alnwiiji |
| 17:00 - 17:10 | Primarily Data: Incidence, Clinical Characteristics and Outcome of Adult Brain Abscesses in Saudi Arabia: A Multi-center Study | Dr. Hassan Alturaiki |
| 17:10 - 17:20 | Gender Differences in Cranial Bone Thickness and Surgical Outcomes in Epidural Hemorrhage: A Saudi Arabian Retrospective Cohort Study in King Fahad General Hospital, Jeddah. | Ms. Lama Alghamdi |
| 17:20 - 17:30 | Trends And Insights in Prone Lateral Approach for Spine Surgery: A Bibliometric Analysis | Dr. Mohamad Bakhaidar |
| 17:30 - 17:40 | Discussion | |

End of Day 2