



3rd International Conference on Recent Advances in Neurotraumatology - 2019

March 6 – 10

Neurotrauma – A Holistic Approach

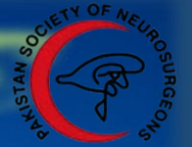
Department of Neurosurgery

Northwest General Hospital & Research Centre

Peshawar, Pakistan



NORTHWEST GENERAL
HOSPITAL & RESEARCH CENTER



3rd International Conference on Recent Advances in Neurotraumatology - 2019

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Conference Secretariat

Department of Neurosurgery, Northwest General Hospital
& Research Centre, Peshawar, Pakistan

Website: <https://icran2019.pk>

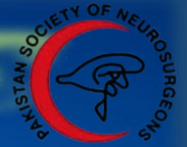
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NORTHWEST GENERAL
HOSPITAL & RESEARCH CENTER



Message from the Conference Chairman



Dear Colleagues

It is our profound privilege to invite you to the “International Conference on Recent Advances in Neurotraumatology” being held in Peshawar. There has been a recent great upsurge in interest in Neurotrauma Care and ideas of collaboration between developed and developing countries in developing Guidelines and international Registries. Also a lot of work is being put into writing and publishing papers from developing countries with the help of the more developed countries.

We are very lucky that the present President of WFNS has a very keen interest in Neurotrauma Care. The need of the hour is to look at a holistic approach in Neurotrauma Care i.e. from Prevention, prehospital care, ER, ICU and Surgical management to Rehabilitation.

The ICRAN in Peshawar will be excellent platform to develop and finalize these concepts into concrete documents, and develop consensus around them.

Also this event will provide an opportunity to our residents and neurosurgeons to interact with neurosurgeons from abroad share the knowledge and learn about emerging trends in Neurotrauma. We anticipate a full participation from you all.

Hope to see you at conference in March, 2019.

Tariq Khan

Chairman Organizing Committee



Message from the Honorary President ICRAN-2019



Neurotraumatology and its advancement is key to advancing the care for a majority of poor population of the world. Neurotrauma burden is highest in the developing world while workforce in prevention of neurotrauma, neurosurgery, neurocritical care and neurorehabilitation are the lowest in these countries. These disparities in neurotrauma care puts at risk the lives of hundreds of millions of people worldwide leading one of the highest severe disability rates for craniospinal injuries.

Educational events like the present one will infuse spirit in the advancement of Neurotraumatology. I am delighted to welcome all our colleagues from Pakistan as well as from around the world who will be gathering to share ideas, experiences and knowledge with each other.

I am sure that it will be of great benefit for the local neurosurgical community as well as a turning point in the care of neurotrauma patients.

We welcome you all at this event.

Aizaz Ai Shah

Honorary President

ICRAN-2019



Message from the President WFNS & Honorary President ICRAN-2019



Dear All

As we all know there are tremendous disparities in the number of available neurosurgeons around the world. This issue was recently revised by a paper published in the Journal of Neurosurgery (Dewan et al, 2018). Data show that an impressive 5,000,000 people who need a neurosurgical intervention will never have it due to lack of available neurosurgeons in Africa and in South East Asia. Enormous efforts have been done in the last years to improve the number of neurosurgeons through various projects of education for young Neurosurgeons, An important issue is also the lack of reliable data from many areas of the world. A recent survey shows how only 3.2% of all peer reviewed published papers are coming from low and low/middle income countries. Out of these publications, only one third come from Africa and South East Asia.

Surgical indications for the most simple emergency neurosurgical procedures (decompression, treating hydrocephalus, spine fixation...) are based on locally available resources and can be addressed only if the clinical series from targeted countries are published. Neurotrauma is an important part of the work of Neurosurgeons in the world. In the same paper it was estimated that about 40% of surgical workload all over the world is for Neurotrauma. We also know that in Japan Neurotrauma in 2014 constituted 23 % of the surgical activity whereas in different European Countries this percentage is ranging between 15 and 35%. Neurotrauma is decreasing in western countries whereas they represent an endemic disease in developing countries because of road traffic accidents related to the absence of prevention measures and increased diffusion of motorbikes and cars. So on one side of the world we have less trauma related to RTA on the other part of the world there is a tremendous increase. As we said before we need to combine published literature about a management of a disease which is endemic in another part of the world where we have limited information about possible management. The ICRAN Meeting in Peshawar is the perfect occasion for having a confrontation and establishing a bridge between these two so different realities.

I am sure that the worldwide community of neurosurgeons with an interest in Neurotrauma will find this Meeting important and fly over to Pakistan.

Franco Servadei

President of the World Federation of Neurosurgical Societies



Message from President Pakistan Society of Neurosurgeons



My dear Friends and colleagues,

Assalam o Alaikum

On this auspicious occasion of the INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN NEUROTRAUMATOLOGY in Peshawar, Pakistan, it is my honour and privilege to extend a cheerful welcome to all my colleagues and friends.

The opportunity to hold this event of utmost calibre in Pakistan is a reward for hardworking Pakistani Neurosurgical community. As the President of the Pakistan Society of Neurosurgeons, we are delighted to be co-host with World Federation of Neurosurgical Societies is organizing this mega event. I am confident that all my colleagues participating in this conference will gain a plethora of knowledge which will be beneficial to the future of Pakistan Neurosurgery. I would like to thank Prof. Tariq Khan, as well as his team for their wonderful efforts, in organizing this meeting in Peshawar. I wish him and his team all the best.

This year, we have to work very hard to improve the standards of our neurosurgical training and what we provide to our patients. The future is bright and lies with all the young neurosurgeons. We must nurture them and support them in being the best. We at Pakistan Society of Neurosurgeons remain passionately committed to these objectives.

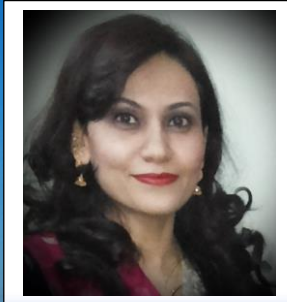
As Jalaluddin Rumi said "Two there are who are never satisfied, lover of the world and Lover of Knowledge".

May Allah be with us, Amen

Prof. Salman Sharif
President, Pakistan Society of Neurosurgeons
President, Middle East Spine Society
Vice President, World Spinal Column Society
Chief of Neurosurgery
Liaquat National Hospital, Karachi.



Message from Organizing Committee Chairperson



A step ahead

“whoever saves one, it is as if he had saved mankind entirely” 5:32

"It is an honour and privilege indeed to have the chance of hosting ICRAN here in Peshawar and I welcome everyone on behalf of the organizing committee to join us in the conference.

Needless to say the amount of burden Neurotrauma lays on a society and the outcome depends not only on the available resources but the level of training and expertise of young neurosurgeons. And it is the need of the time to arrange this event in this part of the world. The leading colleagues from several different countries will gather and share their valuable knowledge on recent advances in the field.

We expect it to be a strong academic and high social level event.

Improving education and quality of training in young neurosurgeons is one of the main themes of this conference. Dealing with more complex situations and challenging ourselves every day is the key to progress.

This event is being organized with great dedication and commitment,

I look forward to see you all.

Faiqa Filza

Associate Professor, Neurosurgery, Northwest School of Medicine



Organizing Committee



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Professor of Neurosurgery
Hayatabad Medical Complex, Peshawar



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Assistant Professor
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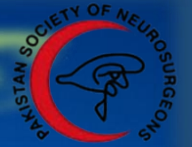
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Organizing Committee



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Zabit Khan
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Qaim Wali
Personal Assistant
CEO & Chairman
Northwest General Hospital & Research Centre
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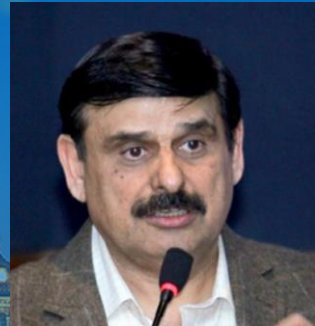


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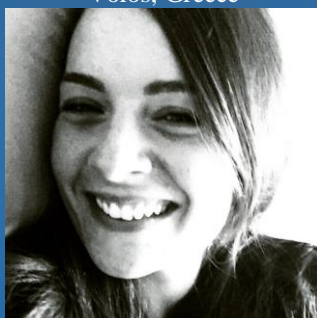
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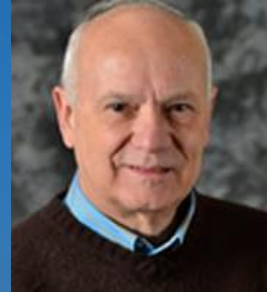


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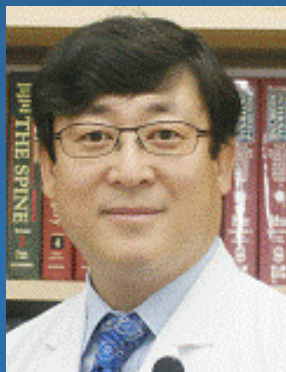
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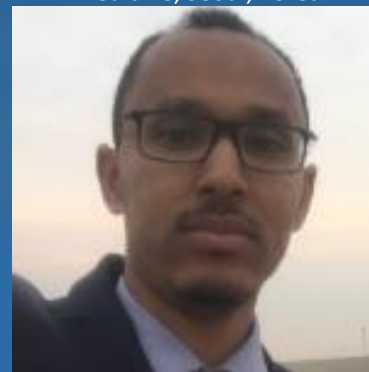
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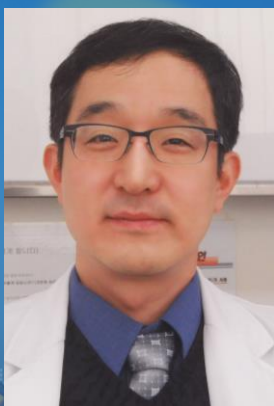


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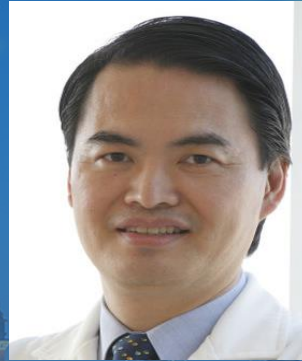
International Faculty



Shimamoto Hotetsu

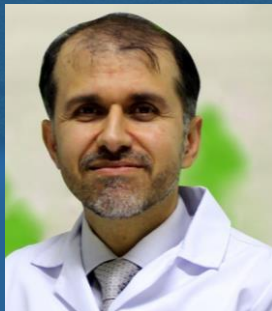
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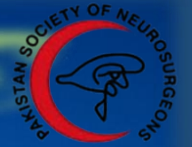


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Seema Sharafat
Assistant Professor
Department of Neurosurgery
Lady Reading Hospital, Peshawar



Pre-conference Courses



Workshop/Symposiums	Faculty	
Exam Oriented Clinical Methods Course	<ul style="list-style-type: none"> • Amjad Shad • Khaleeq uz Zaman • Mumtaz Ali • Salman Sharif • Nadeem Ahmed 	<ul style="list-style-type: none"> • Shahid Ayub • Junaid Mushtaq • Safi ur Rehman • Faiqa Filza
Brachial Plexus & Nerve Injury	<ul style="list-style-type: none"> • Lukas Rasulic • Mumtaz Ali 	<ul style="list-style-type: none"> • Obaidullah • Riaz Rehman
Endovascular Neurosurgery in Neurotrauma	<ul style="list-style-type: none"> • Atta Bhatti • Alexey Krivoschapkin • Dongkeun Hyun 	<ul style="list-style-type: none"> • Qasim Bashir • Yasir Jamil
Public Awareness Seminar on Prevention of Brain & Spine Injury	<ul style="list-style-type: none"> • Franco Servadei • Tariq Khan • Hamisi Shabani • Abdul Hafid Bajamal 	<ul style="list-style-type: none"> • Javed Hassan • Gail Rosseau • Salman Sharif



Pre-conference Courses



Workshop/Course	Faculty	
Global Neurotrauma Course	<ul style="list-style-type: none"> • Alexey Krivoschapkin • Andrew Maas • Corrado Iccarino • Niklas Marklund • Randal Chesnut • Shahzad Shamim • Tsegazeab Laeke • Wilco Peul 	<ul style="list-style-type: none"> • Artur Da Cunha • Damien Kuffler • Hee-Jin Yang • Jannicke Melin-Olsen • Kee B Park • Mohammad Ghorbani • Mukhtar Khan
ICP monitoring Course	<ul style="list-style-type: none"> • Niklas Marklund • Randal Chesnut • Corrado Iccarino • Kamalanathan Palaniandy • Usman Ahmad 	<ul style="list-style-type: none"> • David Clark • Shahzad Hussain • Muhammad Hayat • Adil Amin • Asif Raza • Kashif Ali Sultan
InciSioN Symposium	<ul style="list-style-type: none"> • Kee B Park • Najia El Abbadi • Andrew Maas 	<ul style="list-style-type: none"> • Safi ur Rehman • Joanna Ashby • Najwah Nadeem



Pre-conference Courses



Workshop/Symposium

Neurorehabilitation – A
Neurosurgical Perspective

Care of Neurosurgical Patient:
A Course in Neurosurgical Nursing

Faculty

- Maximilian Mehdorn
- Nicole von Steinbuchel
- Shahzad Shamim
- Muhammad Ilyas
- Muhammad Fahim
- Muhammad Bin Afsar Jan

- Shahzad Shamim
- Farah Wasaya
- Parveen Amirali
- Shafqat Shah



Conference Inauguration



07:00 – 08:00	Registration	
08:00	National Anthem	
	Recitation	
08:05	Welcome address	Faiqa Filza
08:10	Address by Conference Chairman	Tariq Khan
08:15	Address by PSN President	Salman Sharif
08:20	Address by Honorary Conference President	Aizaz Ali Shah
08:25	Address by WFNS president	Franco Servadei
Iftikhar Ali Raja Memorial Lecture		
08:30 – 08:40	Citation	Tariq Salahuddin
08:40 – 09:00	Iftikhar Ali Raja Memorial Lecture	Franco Servadei



Moderated Scientific Session



**March 8, 2019
Plenary Session
Session 1**

**Khushal Hall
Traumatic Brain Injury**

**Session Chair: Andrew Maas
Co-Chair: Aizaz Ali Shah
Moderator: Rashid Jooma**

09:00 – 09:10	Ballistic injuries intracranial trauma	Gene Bolles
09:10 – 09:20	Role of decompressive craniectomy in traumatic brain injury	Tariq Salahuddin
09:20 – 09:30	Review of decompressive craniectomy in traumatic brain injury	Dongkeun Hyun
09:30 – 09:40	Management of severe TBI in Low Resource Settings	Randal Chesnut
09:40 – 09:50	Blunt cerebrovascular trauma, guidelines for screening & management	Safi ur Rehman
09:50 – 10:00	Traumatic brain injury management perspective in public sector hospitals	Shahid Ayub
10:00 – 10:10	Skull Opening and Cranioplasty from Ancient Times to the Present Day	Alexey Krivoshapkin
10:10 – 10:20	Challenges in TBI management :A prospective study in a public sector hospital	Khalid Khanzada
10:20 – 10:30	Q & A	
10:30 – 11:00	Coffee	



Moderated Scientific Session



March 8, 2019

Session 2

Khushal Hall

Research in Neurotrauma

Session Chair: Randal Chesnut

Co-Chair: Tariq Salahuddin

Moderator: Athar Enam

11:00 – 11:10	Collaborative European NeuroTrauma Effectiveness Research in TBI (CENTER-TBI): a large European study to advance the care for TBI	Andrew Maas
11:10 – 11:20	Surgical Management of Chronic Subdural Hematoma in Solo Neurosurgical Practice	Shimamoto Hotetsu
11:20 – 11:30	Mortality from Severe TBI in resource limited setting: data from Tanzania	Halinder Singh Mangat
11:30 – 11:40	Efficacy of Cerebroprotein Hydrolysate (Cerebrolysin) in Severe Traumatic Brain Injury: A multi-center, retrospective cohort study	Lynne Lucena
11:40 – 11:50	Radiological prognostication in TBI from a pathophysiological perspective: better together?	Laura Lippa
11:50 – 12:00	The Value of Optic Nerve Sheath Diameter Measurement in Assessing Intracranial Pressure using Bedside Ultrasound in Resource Limited Setting	Abenezer Trisit
12:00 – 12:10	The living evidence ecosystem: Should we be moving to living reviews and guidelines	Andrew Maas
12:10 – 12:20	Large Sample Intervention TBI Trials: Is Pakistan Ready for Prime Time	Rashid Jooma
12:20 – 12:30	Medical Practice Evidence approach in TBI & SCI instead of EBM guidelines	Wilco Peul
12:30 – 12:40	The clinical research of cisternostomy in traumatic brain injury	Yonghong Wang
12:40 – 12:50	Long-term outcome following traumatic brain injury in an urban teaching hospital in Zambia – feasibility of data collection and results	David Clark
12:50 – 13:00	Q & A	
13:00 - 14:00	Lunch & Prayers	
	Faculty Photograph	



Moderated Scientific Session



March 8

Session 3

Khyber Hall

Neurovascular & Ballistic TBI

Session Chair: Alexey Krivoshapkin

Co-Chair: Junaid Ashraf

Moderator: Junaid Khan

11:00 – 11:10	Moral dilemmas in severe-TBI	Wilco C Peul
11:10 – 11:20	Non-surgical Treatment of Massive Corpus Callosum Hemorrhage without Disconnection Syndrome: A Single-Centre Initial Experience with Short-Term Follow-Up Results	M. Fitra
11:20 – 11:30	Vascular injuries in neurotrauma	Adnan Siddiqui
11:30 – 11:40	Cranioplasty with Porous Hydroxyapatite Custom-Made Bone Flap: Results from a Multicenter Study Enrolling 149 Patients Over 15 Years	Mario Ganau
11:40 – 11:50	Face emotion recognition in moderate to severe traumatic brain injury	Pirah Korai
11:50 – 12:00	Prognostic Serum Factors in Traumatic Brain Injury: A Systematic Review	Ata Mahdkhah
12:00 – 12:10	Penetrating brain injury: A single-center experience with short term follow-up result	Tedy Apriawan
12:10 – 12:20	Factors predicting poor outcome after gunshot injuries to brain in Afghanistan civilian population	Yousaf Shaikh
12:20 – 12:30	Changing spectrum of Head Trauma Emergence of Blast phenomena	Sarmad Bukhari
12:30 – 12:40	Outcome of cranial ballistic injuries in civilian population	Farrukh Javeed
12:40 – 12:50	Prognostic Computed Tomography Scores in Traumatic Brain injury	Muhammad Rafay
12:50 – 13:00	Q & A	
13:00 - 14:00	Lunch & Prayers	
	Faculty Photograph	



Moderated Scientific Session



March 8

Session 4

Zevar Hall

Session Chair: DK Hyun
Co-Chair: Khaleeq-uz-Zaman
Moderator: Samina Khaleeq

Research in Traumatic Brain Injury

11:00 – 11:10	Traumatic Brain Injury Guidelines	Richard P Moser
11:10 – 11:20	Case report of five patients in long term Unresponsive Wakefulness Syndrome Recover consciousness after accurate treatment of hydrocephalus	Zengxin Qi
11:20 – 11:30	Our experience of Large Fascia Lata Graft as Dural Substitute in Neurosurgical Procedures at Neurosurgery Department DGKMC & Hospital D G Khan Punjab Pakistan	Iqbal Ahmad Kharal
11:30 – 11:40	Presence of positive CT Scan Brain Plain findings in patients with Mild Traumatic Brain Injury	Abdul Rauf Mughal
11:40 – 11:50	TBI admissions in a tertiary care public sector hospital: A prospective study	Usman Haqqani
11:50 – 12:00	'Pregnancy in Head Injury: Friend or Foe'	Asra al Fauzi
12:00 – 12:10	Six months analysis of Traumatic Brain Injury due to motor bike accidents in Neurosurgical Unit 1 PINS Lahore	Muhammad Mohsin
12:10 – 12:20	New approaches to generate evidence	Andrew Maas
12:20 – 12:30	Role of ICP monitoring in TBI	Anum Shokat
12:30 – 12:40	Medicolegal cases a real burden in terms of traumatic head injury: A factor much need to be addressed	Peer Asad Aziz Qureshi
12:40 – 12:50	Variation in resources and processes of care for the management of traumatic brain injury globally – preliminary results from a profiling survey of sites participating in the Global Neurotrauma Outcome Study	Karol Budohoski
12:50 – 13:00	Q & A	
13:00 - 14:00	Lunch & Prayers	



Moderated Scientific Session



March 8 Khushal Hall Session 5 Spine & Peripheral Nerves Trauma Session Chair: Debora Garozzo Co-chair: Nazir Ahmed Moderator: Abdul Hameed		
14:00 – 14:10	Complications related to the peripheral nerve surgery	Lukas Rasulic
14:10 – 14:20	Nerve Grafts	Debora Garozzo
14:20 – 14:30	Promoting Neurological Recovery and Pain Elimination Following Peripheral Nerve Trauma	Damien Kuffler
14:30 – 14:40	New horizons in brachial plexus surgery	Lukas Rasulic
14:40 – 14:50	Management of craniocervical junction fractures	Amjad Shad
14:50 – 15:00	Surgical indications for sub-axial cervical spine injuries	Najia El Abbadi
15:00 – 15:10	Identifying the determinants of Spinal Injury as a result of car accidents. An approach towards prevention of Spinal injuries	Usman Anwar
15:10 – 15:20	Outcome of spine fixation for unstable fractures at dorsolumbar junction including fractured vertebrae in pedicular screw fixation	Riaz ur Rehman
15:20 – 15:30	Upper cervical spine trauma: Therapeutic strategies for adults	Najia El Abbadi
15:30 – 15:40	Atlanto axial instability: Early experience with C1 lateral mass and C2 pars fixation	Zahid khan
15:40 – 15:50	Working with limited resources in armed conflict country for the management of traumatic cervical injury	Hamed Shir Shinwari
15:50 – 16:00	Q & A	
16:00 - 16:30	Coffee	



Moderated Scientific Session



**March 8
Session 6
Khyber Hall**

Research on Decompressive Craniectomy

**Session Chair: Wilco Peul
Co-Chair: Salman Sharif
Moderator: Azhar Javed**

14:00 – 14:10	Decompressive Craniectomy: When to go for DC? A comparison between TBI and Stroke	Andrew Maas
14:10 – 14:20	Decompressive Craniectomy and ICP Monitoring in severe head injuries: A Rashid Hospital experience	Syed Salman Raza Jaafery
14:20 – 14:30	Outcomes of decompressive craniotomy in traumatic brain contusion	Muzaffar Ali Bhand
14:30 – 14:40	Outcome of decompressive craniectomy in patients with traumatic brain injury	Aligohar Kalhoro
14:40 – 14:50	Factors predicting outcome of patients undergoing decompressive craniectomy in traumatic Acute subdural hematoma	Musadique Latif
14:50 – 15:00	Algorithm for bone flap storage after decompressive craniectomy in traumatic brain injury	Yunus Kuntawi Aji
15:00 – 15:10	Outcome of traumatic brain injury by decompressive hemi-craniectomy versus decompressive hemi-craniectomy plus cisternostomy	Nofil Zulfikar
15:10 – 15:20	The use of Hinged craniotomy in comparison to cisternostomy for avoiding bone flap replacement second surgery in cases of decompressive craniotomy in traumatic brain injury	Ahmed Al Fiki
15:20 – 15:30	Decompressive craniotomy and duraplasty in patients of traumatic bifrontal contusions	Sadaf Alvi
15:30 – 15:40	International guidelines for decompressive Craniectomy in TBI	Tariq Salahuddin
15:40 – 15:50	ICP monitored decompressive craniectomy	Shahzad Hussain
15:50 – 16:00	Q & A	
16:00 – 16:30	Coffee	



Moderated Scientific Session



Poster Exhibition

13:30 – 14:00, March 8, 2019

Zevar Hall

Safi ur Rehman,

Aizaz Ali Shah, Sajid Nazir Bhatti

Acute vertex epidural hematoma: a case report	Ghassen Gader
Operative management of a traumatic superior sagittal sinus injury in a resource-limited civilian field hospital during the Syrian Civil War	Omar Ibrahim AbdAllah
Biomarkers of Traumatic Brain Injury for Predicting Mortality in Decompressive Craniectomy	Kum Whang
Complications after cranioplasty	Charalampos Gatos
Depressed and Open Skull Fractures over the Superior Sagittal Sinus 9 Illustrative Cases and Review of the Literature	Charalampos Gatos
Outcome of non-surgical management in post-traumatic cerebrospinal fluid rhinorrhoea	Shakir ullah
Clinical characteristics and treatment outcomes in elderly patients with traumatic brain injury	Se Hyuk Kim
Progression of “Korean Journal of Neurotrauma” from domestic medical journal to internationally indexed journal and on the support of Korean Association of Medical Journal Editors	Hee-Jin Yang
Bioengineering and Nanotechnology contributions to the management of Spinal Cord Injuries.	Mario Ganau
Task-sharing for Emergency Neurosurgery: A Cohort Study in the Philippines	Faith Robertson
Delayed brachial plexus palsy: A rare complication of clavicle fracture	Varadaraya Shenoy



Moderated Scientific Session



March 8
Session 7
Zevar Hall

Spine Trauma Research

Session Chair: Abdullah Mohammed Qassim
Co-Chair: Anjum Habib Vohra
Moderator: Nadeem Ahmed

14:00 – 14:10	Two tract development with stem cell agents for the treatment of chronic spinal cord injury	Sang Ryong Jeon
14:10 – 14:20	Clinical results of anterior odontoid screw fixation for traumatic type-II odontoid fractures	Nofil Zulfiqar
14:20 – 14:30	Transoral odontoidectomy: our experience in a limited resources set-up	Riaz ur Rehman
14:30 – 14:40	Anterior Screw Fixation In Type II Odontoid Fractures: Keys For Better Outcome In Early Experience In Developing Countries	Ahmed El Fiki
14:40 – 14:50	Length of survival after conservative management of type II odontoid fractures in older adults: a cross-sectional observational study	Irfan Malik
14:50 – 15:00	Operation Technique of Spine Fracture in Disaster Management	Eko Subagio
15:00 – 15:10	Pedicle Screw Fixation in Thoracolumbar Injuries	Mubarak Hussain
15:10 – 15:20	Percutaneous Vertebroplasty in Pathological Compression and Traumatic Fractures	Jawad Ahmad Mohmand
15:20 – 15:30	Surgical outcome of short segment transpedicular fixation for traumatic thoracolumbar junction fractures	Sajjad Ahmad
15:30 – 15:40	Outcome of Minimally Invasive Percutaneous Transpedicular Stabilization for Thoracolumbar Fractures	Syed Ahmad Faizan
15:40 – 15:50	Gunshot Injury to spine: An institutional Experience of management and Complications from a developing country	Bushra
15:50 – 16:00	Q & A	
16:00 - 16:30	Coffee	



Moderated Scientific Session



March 8 Session 8 Khushal Hall WINS Scientific Session

Session Chair: Franco Servadei
Co-Chair: Tariq Khan

16:30 – 16:40	WINS country report	Aneela Darbar
16:40 – 16:50	Decompressive craniectomy: Factors and technical details that may influence the functional outcome.	Rebecca Alfayete
16:50 – 17:00	Encore careers and Global Neurosurgical Practice.	Gail Rosseau
17:00 – 17:10	Women in neurosurgery: A KP perspective	Faiqa Filza
17:10 – 17:20	How to Encourage more Women in the field of Neurosurgery; A male perspective.	Ahmad Ali Shah
17:20 – 17:30	Biomarkers as tools for recognizing juvenile traumatic brain injury	Rabia Qaiser
17:30 – 17:40	Brain Death: An Islamic Perspective	Fauzia Sajjad
17:40 – 17:50	Women neurosurgeons: Challenges & opportunities	Samina Khaleeq
17:50 – 18:00	Learning to mentor: ^my experience ^	Najia El Abbadi
18:00 – 18:10	Pediatric Head Injury: An audit of one year	Seema Zahid
18:10 – 18:20	Budding female on the canvas of Neurosurgery: Myths, Apprehensions, Hardships and Attractions.	Samra Majeed
18:20 – 18:30	Q & A	



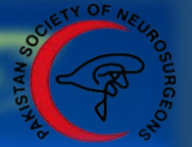
Moderated Scientific Session



March 9 Khushal Hall Plenary Session Global Neurosurgery

Session Chair: Russell J Andrews
Co-Chair: Franco Servadei
Moderator: Ahmed Ali Shah

08:00 – 08:10	Global Neurosurgery Movement	Kee B Park
08:10 – 08:20	Intensive Care of Severe TBI in resource limited setting: data from Tanzania	Halinder Singh Mangat
08:20 – 08:30	Global Health Challenges in Craniospinal Trauma	Wilco Peul
08:30 – 08:40	Global neurosurgery: WFNS perspective	Franco Servadei
08:40 – 08:50	Is the Best truly The Best?	Palani Nathan
08:50 – 09:00	Global surgery: Neurosurgical issues & challenges	Andreas Wladis
09:00 – 09:10	African neurosurgery in new era	Najia El Abbadi
09:10 – 09:20	Out of pocket costs for emergency CT scans in developing countries	Joanna Ashby
09:20 – 09:30	Global surgery from the perspective of neurosurgeons	Gail Rosseau
09:30 – 09:40	The Harvard Program in Global Surgery and Social Change Strategy for Universal Access to Surgical Care	Kee B Park
09:40 – 09:50	Assessment of knowledge and awareness among non-medical transporters on care of injury patients during transfer to hospital facility in Dar es Salaam	Hamisi Shabani
09:50 – 10:00	Injury Data in the Service of Safety: 10 years of Road Injury Surveillance in Karachi	Rashid Jooma
10:00 – 10:10	Integrated Mass Casualty Centers: Improving Both Neurotrauma and Global Health Outcomes	Russell J Andrews
10:10 – 10:20	An update on the progress of the Global Neurotrauma Outcomes Study (GNOS)	David Clark
10:20 – 10:30	Q & A	
10:30 – 11:00	Coffee	



08:00 - 13:00

Provincial Surgical, Obstetrics, Anaesthesia Plan



Moderated Scientific Session

March 9
Khushal Hall
Session 10
Paediatric Neurotrauma & Neurocritical care

Session Chair: Gail Rosseau
Co-Chair: Naqibullah Achakzai
Moderator: Nadeem Akhtar

11:00 – 11:10	Decompressive craniectomy in paediatric patients.	Artur Da Cunha
11:10 – 11:20	Spectrum of paediatric neurotrauma presenting to neurosurgery unit SGTH swat	Zain ul Abideen
11:20 – 11:30	Occipital Cervical Fusion in Young Children with C1-C2 subluxation and compressive myelopathy	Azmi Alias
11:30 – 11:40	Comparison between pediatric and adult head trauma	Usamah Bin Waheed
11:40 – 11:50	Different forms of cranioplasty post-craniectomy in paediatric patients	Artur Da Cunha
11:50 – 12:00	Management of Penetrating Head Injury in Children	Azmi Alias
12:00 – 12:10	Effect of age, gender and mode of trauma in distribution of pediatric spinal fractures	Saad Sultan
12:10 – 12:20	Mild hypothermia therapy in severe TBI: pros and cons	Eko Prasetyo
12:20 – 12:30	Infection Prevention & Control Program (IPC) at Northwest General Hospital Peshawar	Muhammad Hayat
12:30 – 12:40	Modernizing Neuro critical care in a resource constrained environment	Madiha Hussain
12:40 – 12:50	Titanium mesh versus autologous bone grafting in cranioplasty in terms of complications	Ammar Gilani
12:50 – 13:00	Q & A	
13:00 - 13:45	Lunch & Prayers	



Moderated Scientific Session



March 9 Session 11 Khyber Hall Neurotrauma Outcomes Research

Session Chair: Azmi Bin Alias
Co-Chair: Shabbir Ahmed Lehri
Moderator: Anwar Chaudhary

11:00 – 11:10	Nanotechniques for Neurotrauma and Neurorepair	Russell J Andrews
11:10 – 11:20	Outcomes of posterior fossa epidural hematoma	Rehana Magsi
11:20 – 11:30	To determine the clinical outcome of skull fractures in children	Ali Shan Ahmed
11:30 – 11:40	Outcomes of traumatic subarachnoid hemorrhage in Pakistani population	Farhad Hussain
11:40 – 11:50	Incidence and outcome of dural tear in depressed skull fractures	Shams ud Din
11:50 – 12:00	Coup and contrecoup head injuries: Predictors of outcome	Aqeel Natt
12:00 – 12:10	Outcomes of conventional craniotomy for traumatic brain injury under local anaesthesia	Peer Asad Aziz Qureshi
12:10 – 12:20	Radiological parameters of haemorrhagic progression of contusion and its impact on outcome	Rabail Akbar Qazi
12:20 – 12:30	Outcome following surgical evacuation of extradural haematomas	Zain ul Abideen
12:30 – 12:40	Outcome of chronic subdural hematoma Burrhole evacuation at Amiri Medical Complex Kabul, Afghanistan	Salman Younus
12:40 – 12:50	Correlation of arrival Glasgow comma score to outcome of traumatic subarachnoid hemorrhage in terms of Glasgow outcome score	Imran Khan
12:50 – 13:00	Q & A	
13:00 - 13:45	Lunch & Prayers	



Moderated Scientific Session



**March 9
Session 12
Khushal Hall
Peshawar Recommendations,
Sania Nishtar, Franco Servadei, Kee Park, Tariq Khan**

Comprehensive Policy Recommendations for Management of Brain & Spine Trauma

13:45 – 13:50	Why recommendations are necessary?	Tariq Khan
13:50 – 14:10	Presentation of recommendations	Kee Park
14:10 – 14:20	Integration into NSOAP/PSOAP	Lubna Samad
14:20 – 14:30	WFNS viewpoint	Franco Servadei
14:30 – 14:40	The ICRC experience	Andreas Wladis
14:40 – 14:50	Latin American perspective	Leonidas Quintana
14:50 – 15:00	Address by Director General Health, Khyber Pakhtunkhwa	Arshad Ahmad Khan
15:00 – 15:10	Comments by DG National Health Services Regulations and Coordination, Pakistan	Asad Hafiz
15:10 – 15:40	Panel Discussion	
15:40 - 15:55	Recommendations of Lead Non-Infectious Diseases WHO/Chief Guest	Sania Nishtar
15:55 - 16:30	Coffee	



Moderated Scientific Session



**March 9
Session 13
Khushal Hall**

Complications in Neurotrauma

Session Chair: Damien Kuffler

Co-Chair: Brig Abdul Ghaffar

Moderator: Brig Junaid Mushtaq

16:30 – 16:40	Complications of Decompressive Craniectomy	Kostas Fontas
16:40 – 16:50	The diagnosis and management for secondary low or negative-pressure hydrocephalus and a new hydrocephalus classification based on ventricle pressure	Xuehai Wu
16:50 – 17:00	Post-operative cognitive dysfunction	Gene Bolles
17:00 – 17:10	Surgical Complications and Long-Term Outcome of Bifrontal Decompressive Craniectomy Used for Management of Cases with Refractory Cerebral Edema Following Traumatic Brain Injury	Ahmed El Fiki
17:10 – 17:20	The impact of early tracheostomy on early weaning off ventilatory support and hospital stay in patients with isolated severe head injury	Faizyab Ahmed
17:20 – 17:30	Quality of life among patients undergoing decompressive craniectomy for traumatic brain injury using Glasgow Outcome Scale Extended and Quality of Life After Brain Injury Scale	Noor Malik
17:30 – 17:40	Traumatic Superior Sagittal Sinus Thrombosis: A Clinical Study among TBI Patients with Skull Fractures	Wahaj Ahmed
17:40 – 17:50	Haemoglobin on Admission as a Predictor of Outcome in Head Injury Patients	Sana Akbar Qazi
17:50 – 18:00	Outcome of Conservative Management in Diffuse Axonal Injury	Tanweer Ahmed
18:00 – 18:10	To assess the role of repeat CT scan in outcome of head injury patients	Shahjahan Kalhoro
18:10 – 18:20	A study of posterior fossa venous anatomy and its surgical significance in neurotrauma	Varadaraya Shenoy
18:20 – 18:30	Q & A	



Moderated Scientific Session



March 9 Session 14 Khyber Hall Mass Casualty Management

Session Chair: Richard Moser
Co-Chair: Rashid Jooma
Moderator: Ehsan Bari

16:30 – 16:40	Mass Casualty Centers: Equipment and Implementation	Russell J Andrews
16:40 – 16:50	Mass Casualty Response	Leonidas Quintana
16:50 – 17:00	Disasters: Experience from ICRC	Andreas Wladis
17:00 – 17:10	Telemedicine for Neurotrauma Prevents Unnecessary Transfers: An Update from a Nation-Wide Program of Albania and Analysis of 590 Patients	Rifat Latifi
17:10 – 17:20	Lessons learnt from disasters	Khaleeq uz Zaman
17:20 – 17:30	Problems on mass disasters in Indonesia	Abdul Hafid Bajamal
17:30 – 17:40	Standardized Data Collection/Analysis for Mass Casualties	Corey Scurlock
17:40 – 17:50	AKUs experience with disaster	Ehsan Bari
17:50 – 18:00	Role of NDMA in disasters	Gen. Saeed Alam
18:00 – 18:30	Panel discussion	Russell J Andrews, Leonidas Quintana Andreas Wladis, Ehsan Bari Corey Scurlock



Moderated Scientific Session



**March 9
Session 15
Zevar Hall**

**Session Chair: Najia El Abbadi
Co-Chair: Kamran Hussain
Moderator: Shams Brohi**

16:30 – 16:40	Surgery for Bilateral Evacuated Traumatic Hematomas: A Single-Center Experience	Fajar Niantiaro
16:40 – 16:50	Clinical course of patients undergoing surgery for evacuation of extradural hematoma at a tertiary care hospital	Nasr Ahmed Esmail Alshawesh
16:50 – 17:00	Intracranial chronic epidural hematomas: Technical note	Ghassen Gader
17:00 – 17:10	Spectrum of patients in a neurotrauma department-Lady Reading Hospital experience	Laiq Dad
17:10 – 17:20	Pre-hospital care of traumatic brain injury patients presenting to a tertiary care unit	Muhammad Adil Khatri
17:20 – 17:30	Evaluating accuracy of free-hand pedicle screw insertion in the treatment of thoracolumbar spine fractures	Muhammad Shafi
17:30 – 17:40	Traumatic sub-axial cervical spine injuries in a tertiary care hospital of Khyber Pakhtunkhwa, Pakistan	Mansoor Ahmed
17:40 – 17:50	Analysis of neurological deficit in dorsolumbar spine fractures based on three column model in a tertiary care hospital	Irfan Ali Shah
17:50 – 18:00	Pre- and postoperative lower extremity motor power and ambulatory status of patients with spinal cord compression due to a metastatic spinal tumor	Sang Ryong Jeon
18:00 – 18:10	TBI patients attendants are an asset or liability	Alamgir Khan
18:10 – 18:20	Neurosurgical Training aspirations of a female medical student: Challenges in Pakistani Society	Hani Tariq
18:20 – 18:30	Q & A	



Closing

18:40 – 19:15	Thanks by conference secretary	Muhammad Usman
	Address by Conference Chairman	Tariq Khan
	Address by WFNS President	Franco Servadei
	Address by upcoming ICRAN Host	Dhaval Shukla



Post-Conference Tours



Tour	Date	Cost
Inner City Tour	March 10, 2019	50 Dollars 3000 PKR
Khyber Pass Tour	March 10, 2019 Half Day Security Clearance Required	70 Dollars 5000 PKR
Taxila Ruins	March 10, 2019 Half Day	100 Dollars 15000 PKR
Takht Bhai Ruins	March 10, 2019 Half Day	100 Dollars 15000 PKR
Chitral Tour	March 11 – March 14 4 Days	3000 Dollars 40000 PKR
Swat Valley	March 11 – March 14 4 Days	3000 Dollars 40000 PKR
Gilgit, Hunza, Pak-China Border	March 11 – March 15 5 Days	450 Dollars 60000 PKR

