



## GLOBAL NEUROSURGERY

*World Federation of Neurosurgical Societies*

**Global Neurosurgery:** The practice of neurosurgery with the primary purpose of delivering timely, safe, and affordable neurosurgical care to all who need it.

**Vision:** Universal access to life-saving or disability averting neurosurgical care.

**Mission:** Bring together the neurosurgeons around the world to collectively address the unmet need for neurosurgical care.

Objectives:

**1. To improve universal access to neurosurgical care**

Target: >90% of population within 4 hours of neurosurgical facility  
(WFNS Level 2 or higher)

**2. To align and coordinate all global neurosurgery activity within WFNS to reaching the goal.**

Targets:

- A. Create Global Neurosurgery website
- B. Create an interactive platform to match needs and opportunities
- C. Adoption of Global Neurosurgery Action Plan by >70% of member organizations

**3. To stimulate and facilitate relevant research to inform policy.**

Targets:

- A. Map research output by region and themes (infrastructure, workforce, service delivery, financing, information management, governance.)
- B. Establish Global Neurosurgery research grant and/or award mechanisms  
≥1 by 2021.
- C. Advocate for Global Neurosurgery category/sections in major neurosurgery journals  
≥3 by 2021.
- D. Establish funding mechanism for training in Global Neurosurgery  
≥2 by 2021.
- E. Inclusion of Global Neurosurgery Sessions in major neurosurgery meetings  
>75% by 2021.

**4. To engage with surgical stakeholders for building integrated surgical systems**

A. Participation by neurosurgeons in National Surgical Strengthening Processes  
>75% participation rate by 2021.

B. Participation by neurosurgeons in major global surgery conferences.  
>20% participation rate (per year) increase by 2021.

**5. To co-advocate for investing in surgical care for all within Universal Health Coverage**

A. Participation by neurosurgeons in global surgery advocacy events  
>20% participation rate (per year) increase by 2021.

B. Work with industry partners for shared vision. Meet with major industry partners.  
≥5 meetings by 2021.

C. Ensure financial risk protection from neurosurgical procedure  
Track out of pocket costs of tracer procedures (craniotomy for EDH and shunt/ETV) in  
>10 LMICs by 2021.

## Global Neurosurgery Framework

### POLICY/RESEARCH:

- Task Shifting/Sharing
- Optimal Workforce Expansion
- Infrastructure
- Financing
- Information Management
- Service Delivery
- Essential Equipment Package
- Priority Diseases
- Integration Science

### IMPLEMENTATION:

- Ethics
- Standardized Procedures/Curriculum
- Equipment Program
- Training Centers
- Fellowship Programs

## INSTITUTIONALIZATION:

- Dedicated sections within publications
- Training of future global neurosurgeons
- Global Neurosurgery sessions at major meetings
- Integration to broader frameworks e.g. global surgery, global health, SDGs

## Guiding Principles for Global Neurosurgery Activities.

### Global Neurosurgery Implementation e.g. training, equipment support

- Strengthen local neurosurgical capacity
- Improve equity
- Promote financial risk protection
- Integrate with national surgical strengthening plans
- Empower the local neurosurgeons
- Improve safety and quality of neurosurgical services
- Avoid creating dependency
- Abide by ethical principles
- Be culturally sensitive
- Ensure suitability for low-resource setting
- Seek to collaborate and cooperate with other actors

### For Global Neurosurgery Sessions at meetings

- Inclusion of the WFNS Global Neurosurgery Framework and Action Plan
- $\geq 50\%$  of speakers from LMICs
- Encourage gender equity
- Maximize attendance from LMICs

### For Global Neurosurgery Research

- If using primary data from LMIC then authorship  $\geq 50\%$  from the relevant region?
- Ensure access and dissemination to LMIC readership
- Incorporate LMIC research capacity building

## TEAM

Chair: Kee B. **PARK** (USA)

Vice-Chair: Abdessamad **EL OUAHABI** (Morocco)

### Members:

1. Ignatius **ESENE** (Cameroon)\*
2. Mbaye **THIOUBM** (Senegal)
3. Jeef **NTALAJA** (DRC)
4. Salihy **SIDI MOHAMMED** (Mauritania)
5. Coceka **MFUNDISI** (South Africa)
6. Claire **KAREKEZI** (Rwanda)\*\*
7. Mahmood **QURESHI** (Kenya)
8. Andreas **RUBIANO** (Colombia)
9. Hildo **ACEVEDO** (Brazil)
10. Amro **AL HABIB** (Saudi Arabia)
11. Tariq **KHAN** (Pakistan)
12. Ronnie **BATICULON** (Philippines)\*
13. Yoko **KATO** (Japan)
14. Vycheth **IV** (Cambodia)
15. Kyi **HLAING** (Myanmar)
16. Indira **DEVI** (India)\*
17. Walter **JOHNSON** (USA)
18. Robert **DEMPSEY** (USA)
19. Angelos **KOLIAS** (UK)\*
20. Gail **ROUSSEAU** (USA) \*
21. Isabelle **GERMANO** (USA) \*
22. William **HARKNESS** (UK)
23. Wan Tew **SEOW** (Singapore)

LMIC neurosurgeons

Female neurosurgeons\*

Young Neurosurgeons\*

### EX-Officio members:

WFNS Foundation, Miguel **ARRAEZ** (Spain)

WFNS Coordinating Committee Chair, David **ADELSON** (USA)

WFNS President, Franco **SERVADEI** (Italy)

### Secretariat:

Ulrick Sidney **KANMOUNYE** (Cameroon)

Jean Wilguens **LARTIGUE** (Haiti)