

Future Stroke Leaders Programme Cohort 2

Welcome!

“If your actions inspire others to dream more, learn more, do more and become more, you are a leader”.

John Quincy Adams



World Stroke
Organization
Future Leaders

Future Stroke Leaders Programme - overview

The Future Stroke Leaders programme was initiated by the World Stroke Organization. The goal is to further develop the technical and research skills of the next generation of stroke professionals.

It is a tailored program to equip a global cohort of early career clinicians and researchers with in-depth understanding of the key challenges in relation to stroke in their region and globally.

Key Programme Elements:

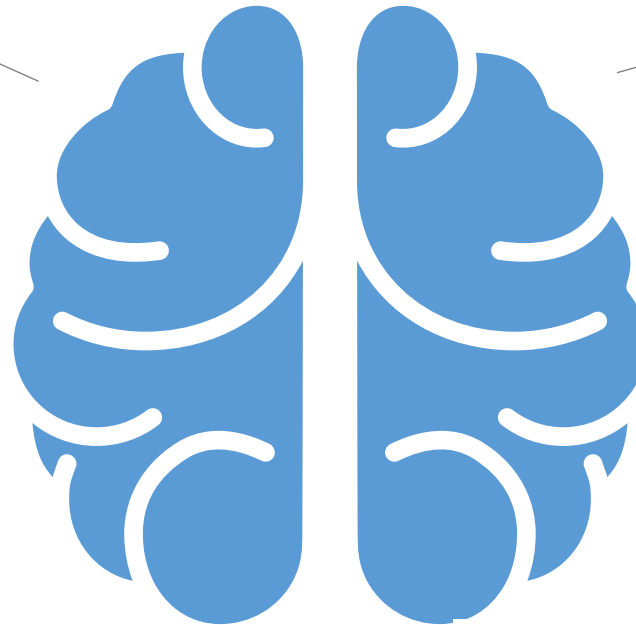
- ❖ 20 online and 2 face to face sessions
- ❖ Funded projects with tangible results
- ❖ International, local, and cross-disciplinary collaboration
- ❖ Community building



The Future Stroke Leader programme at a glance



The programme is a content-heavy 2-year stretch with 20 online sessions (3 hours each), case studies, simulations, group work and journal publishing, an online and face-to-face conferences, funded projects' development and World Stroke Congress participations



Participants are international medical practitioners with proven accomplishments, growth potential, and a persevering commitment to excel
1st cohort (2020) consists of 32 *professionals* from 23 countries
2nd cohort (2022) consists of 34 *professionals* from 25 countries



The programme benefits from a public webpage, a participant-only learning platform, and a dedicated Slack channel for participant collaboration



Valeria Caso
Consultant Neurologist
Italy



Werner Hacke
Senior Professor of Neurology
Germany



Christopher Chen
Senior Clinician-Scientist
Singapore



Hugh Markus
Professor of Stroke Medicine and
Honorary Consultant Neurologist in the
Department of Clinical Neurosciences
UK

The programme is faculty-led, with stroke experts from 12 countries, and supported by an external communication agency and guest speakers



Future Stroke Leaders Programme – Goals and requirements

Your goals:

- Understand your focus areas and find collaborators (gain clarity)
- Assess and upgrade your current skills
- Foster local/global teamwork and communication
- Be proactive and take ownership of your journey

Programme graduation requirements:

- Being present is not enough, you need active participation and complete obligatory elements to qualify for graduation.
- 80% online sessions
- Join face to face sessions in Germany and WSC2024, and a pre-meeting in Abu Dhabi





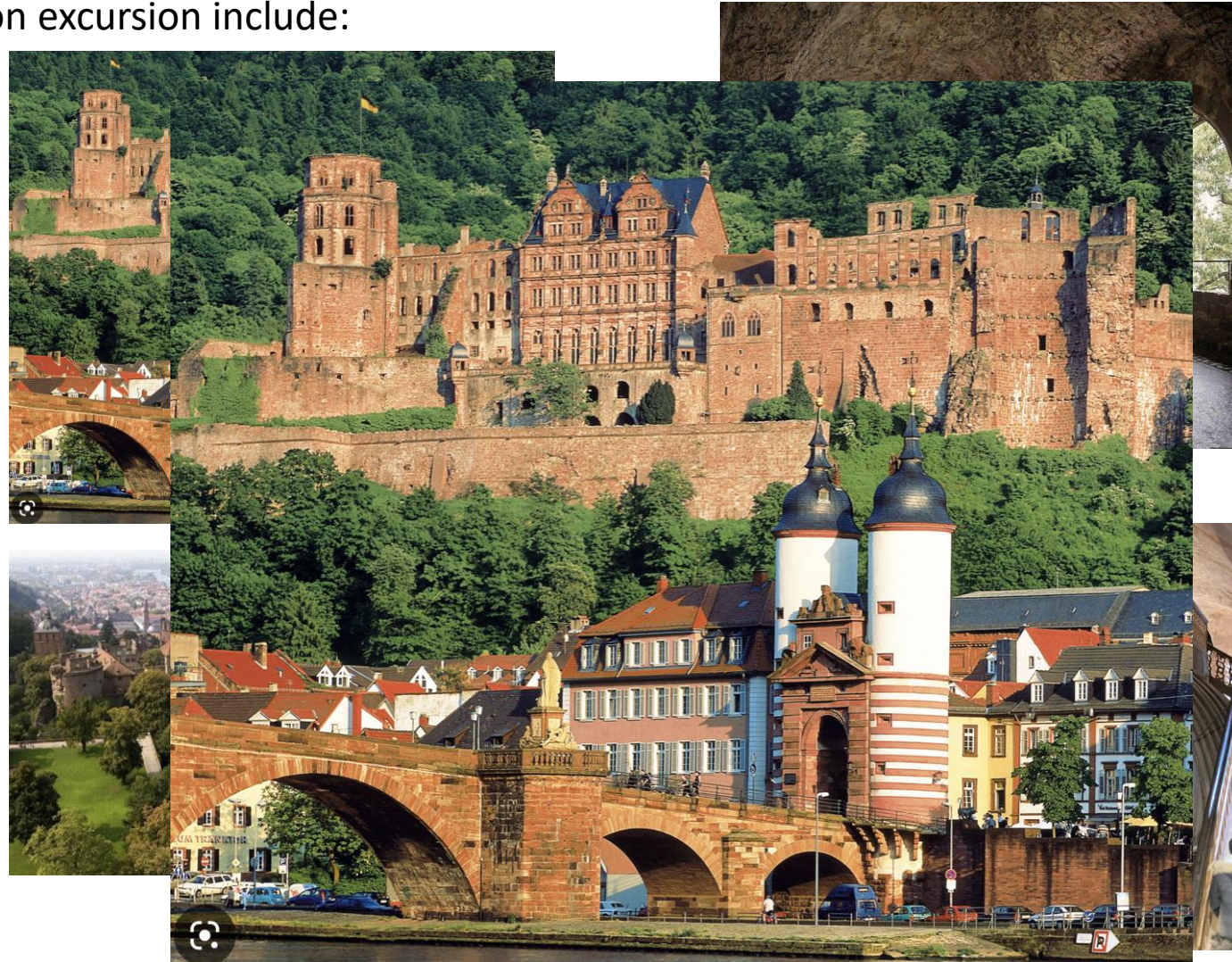
FSLP Rules of the road

- Respect each other and create a safe environment
- Ensure equal contribution, start planning already
- Assign project group roles and lead
- “Mentor rules”
- Be responsive (emails, WhatsApp, Slack)
- Maintain email hygiene (do not copy the whole group unless necessary)
- Mark your calendar for the deadline: respect the deadline
- Go the extra mile – no excuses... Walk the talk
- Be creative

FL Face to Face Meeting in Mannheim/Heidelberg GER May 2023

It's not only science, but also teambuilding and a glimpse on history:
Highlights of the Wednesday afternoon excursion include:

1. The famous Heidelberg Castle



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FL Face to Face Meeting in Mannheim/Heidelberg GER May 2023

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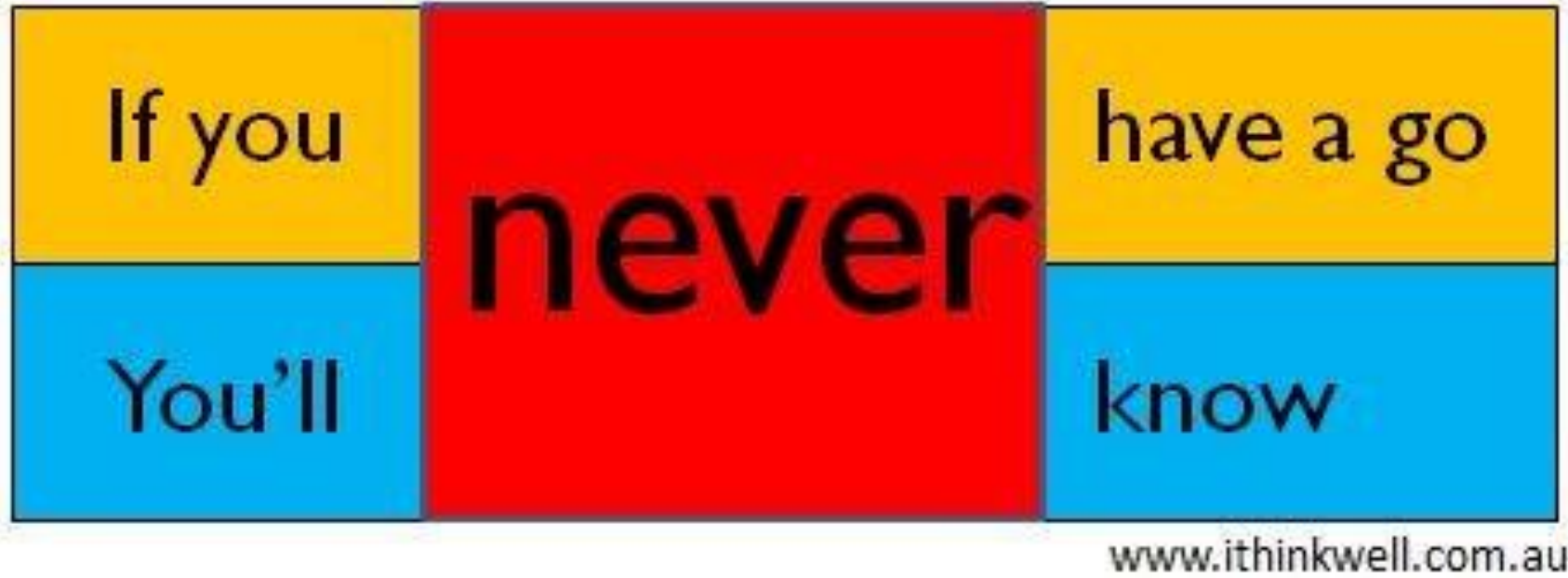
1. The famous Heidelberg Castle

2. A visit to Schwetzingen Palace
and it's georgious gardens

3. Dinner at a local Brewery,
the „Schwetzinger Brauhaus zum Ritter“
Specialty of the season: white asparagus

(yes, there is food without alcohol and meat)





FSLP Cohort 1 recap

FSLP – *Cohort 1* was able to achieve global impact

Global Stroke Alliance Hands-on on Acute stroke treatment project
Barriers to Access Endovascular Treatment for Acute Ischemic Stroke Worldwide Project
Ischemic stroke and intracerebral hemorrhages guidance (Egypt, Canada, Malaysia)
Ministry of Health (Ethiopia, Belgium)

01 Collaboration

“Regional and national differences in stroke thrombolysis use and disparities in pricing, treatment availability and coverage” (IJS and listed by PubMed)
“Key design elements of successful acute ischemic stroke treatment trials” (Journal of Neurological Research and practice in press)
“Integrated Approach to Stroke burden: Are we doing enough?” (commentary)
“Stroke care in Armenia: Recent developments”
“Educational Needs of People Living with Atrial Fibrillation: A Qualitative Study”

02 Publications

NHMRC grant project looking at digital patient education for stroke prevention.
PSC- CSC certification
Clinical Practice guidelines for stroke rehabilitation from low- and middle-income countries

03 International Research

04 Stroke Care Improvements

WSO Certification of Stroke Centers Program for Latin America
Tele- stroke Projects (Africa, Belgium)
Young Stroke Researchers Workshop, São Paulo
Acute stroke reperfusion treatment improvement project
Developing a translational stroke care pathway in collaboration with other hospitals
Regional strategy to reduce onset-to-recanalization times

05 Educational Activities

Young Stroke Researchers Workshop
Educational Committees
Podcasts, webinars, stroke checklists, translation of stroke related materials and campaigns; social media campaigns to stroke fellowship programme

06 Awareness Initiatives

Local awareness campaigns in India, Brazil, Mauritius, Singapore, USA, Belgium, Ethiopia, Nigeria, Australia.
Community and University awareness programmes
Armed forces and Police awareness campaigns.
Media campaigns

FSLP *Cohort 1* recommendations

- Look at the big picture
- Do your homework
- Nothing ventured, nothing gained
- Get a toe in the door
- Quid pro quo (something for something)
- Walk a mile in another's shoes
- Strike while the iron is hot
- Read between the lines
- Half a loaf is better than none
- Rome was not built in a day



Cohort 1 Highlights

- The funded project groups
- Networking among future leaders and faculty members
- Multi-disciplinarity cohort diversity
- Visit to Stroke Services at Rashid Hospital, Dubai
- Relationships count
- Learn to delegate
- Similar stroke concerns
- One glove doesn't fit all
- Resilience, critical thinking and problem-solving learnings



Future Stroke Leaders Programme – *Cohort 1* regional and global collaboration

(Individually and as a group)

- **Latin American Alliance Against Stroke** – Research, Education, Implementation
- **Global Stroke Alliance**
- **FSL Africa Task Force Edu**
- **ASEAN SK group**



Future Stroke Leaders Programme – *Cohort 1* collaborative publications








- Significant variability in rtPA availability and prices among countries.
- Relative costs are higher in low-income countries, exceeding health expenditure per capita
- Key design elements of successful acute ischemic stroke treatment trials” (Journal of Neurological Research and practice in press)

International Journal of Stroke
OnlineFirst
© 2022 World Stroke Organization, Article Reuse Guidelines
<https://doi.org/10.1177/17474930221082446>



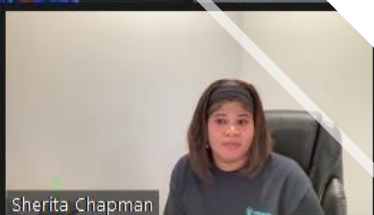
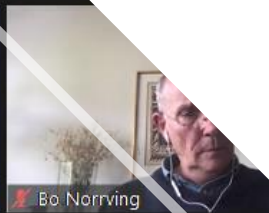
Research

Regional and national differences in stroke thrombolysis use and disparities in pricing, treatment availability, and coverage

Ana Claudia de Souza ¹, Ivy Anne Sebastian², Wan Asyraf Wan Zaidi³, Ahmed Nasreldein ⁴, Danira Bazadona⁵, Pablo Amaya ⁶, Ahmed Elkady ⁷, Meron Awraris Gebrewold ⁸, Pongpat Vorasayan⁹, Nune Yeghiazaryan¹⁰, Patrik Michel ¹¹, Pooja Khatri¹², Jeyaraj Durai Pandian ¹³, Sheila Cristina Ouriques Martins¹⁴, Werner Hacke¹⁵, and Vasileios-Arsenios Lioutas¹⁶



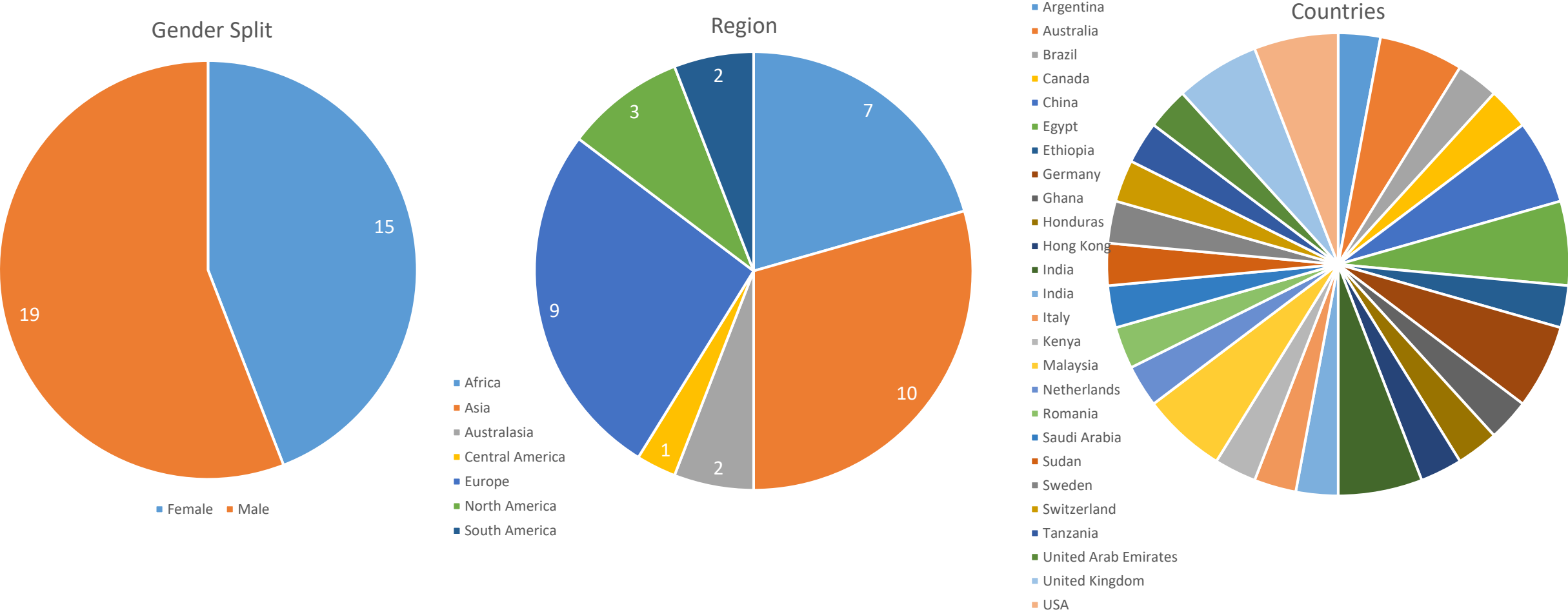
What a journey!



FSLP – Cohort 2



Cohort 2 is a slightly larger group than Cohort 1, with 34 professionals from 25 countries



FSLP – Tools and resources

- *Website*: log in through “member log in” – and access recorded lectures, pre-reads, and other materials
- *Slack*: log in through website
- *Social Media*: update your accounts – online presence is a must
- *Emails, WhatsApp*
- *Congresses 2023 and 2024*
- *Julia* is your primary contact

Cohort 2 - 2022

Participants are international medical practitioners connected by proven accomplishments, growth potential, and a persevering commitment to excel.



Ayush Agarwal
Assistant Professor of
Neurology
India



Matías J. Alet
Argentina



Leonardo Augusto Carbonera
Vascular Neurologist
Brazil



Xin Cheng
Chief Physician and Vice
Chair of the Department of
Neurology
China



Bogdan Ciopleias
Romania



Dr Rajeshwar
Associate Professor
India



Ahmed Elkady
Neurology and Stroke
Registrar
Saudi Arabia



Tarig Fadalla
Medical doctor and clinical
researcher
Sudan



Jonathon Fanning



Stefan Gerner
Germany



Abdul Hanif Khan
Malaysia



Mirjam R Heldner
Switzerland

FSL Cohort 2 Programme Overview (2022-2024)

Implementation of Quality Stroke Care

Name	Date	Speakers
Inaugural call, Stroke Burden, risk factors and systems of care in HIC's Stroke Burden, risk factors and systems of care in LMIC's, Stroke Imaging	21 November 2022 2-5 PM CET	Taskforce, V. Caso, J. Pandian, D. Liebeskind Moderator: W. Hacke
Funded Projects Setting the scenes; Cohort 1 funded projects achievements	19 January 2023:2-5PM CET	V. Caso moderator; cohort 1 representatives
Primary and secondary prevention	13 March 2023: 9 -12AM CET	C. Chen – moderator, C. Diener, P. Rothwell, G. Hankey
'How to design 5 years stroke development plan in your region'	16 March 2023: 2-4PM	V. Caso, Angels Project, I. Sebastian
Face to face Conference, Mannheim, Germany	30 April – 4 May 2023 8am -6pm	Taskforce, Communication Agency (Sightseen, Hospital Visit)
Designing Large and Small Clinical Trials; Key design elements of successful acute ischemic stroke treatment trials	19 June 2023: 9 -12 AM	C. Anderson; B. Campbell; L.Yperzelee; Moderator: W. Hacke
Rehab, virtual reality instroke rehab	23 August 2023: 3-6PM	M. Demers, G. Saposnik, K. Stibrant Sunnerhagen, J. Solomon, C. Winstein, S. Savitz
Publications: Intro to IJS, Writing and Reviewing Papers	25 September 2023: 2-5 pm	B. Norrving, M. Fisher, H. Markus – speaker and moderator
WSC 2023, Toronto, Canada	October 10-12, 2023	Free registrations (no travel and accommodation support); informal dinner the night before the congress
Intro to WSA/Education Committee, Communication	13 November 2023: 2-5PM	G. Saposnik, A. Wiseman, G. Gubitza
	Year 2 - 2024	
Dementia, Post Stroke Depression	January 2024	C. Chen – moderator, M. Hackett
What was missed and what would you like to be covered	March, May, June, September 2024	
WSC 2024 Abu Dhabi	October 2024	FtF, congress attendance and funded projects presentations

Future Stroke Leaders Programme – Funded projects framework

All proposed projects should be in line with the WSO's Mission:

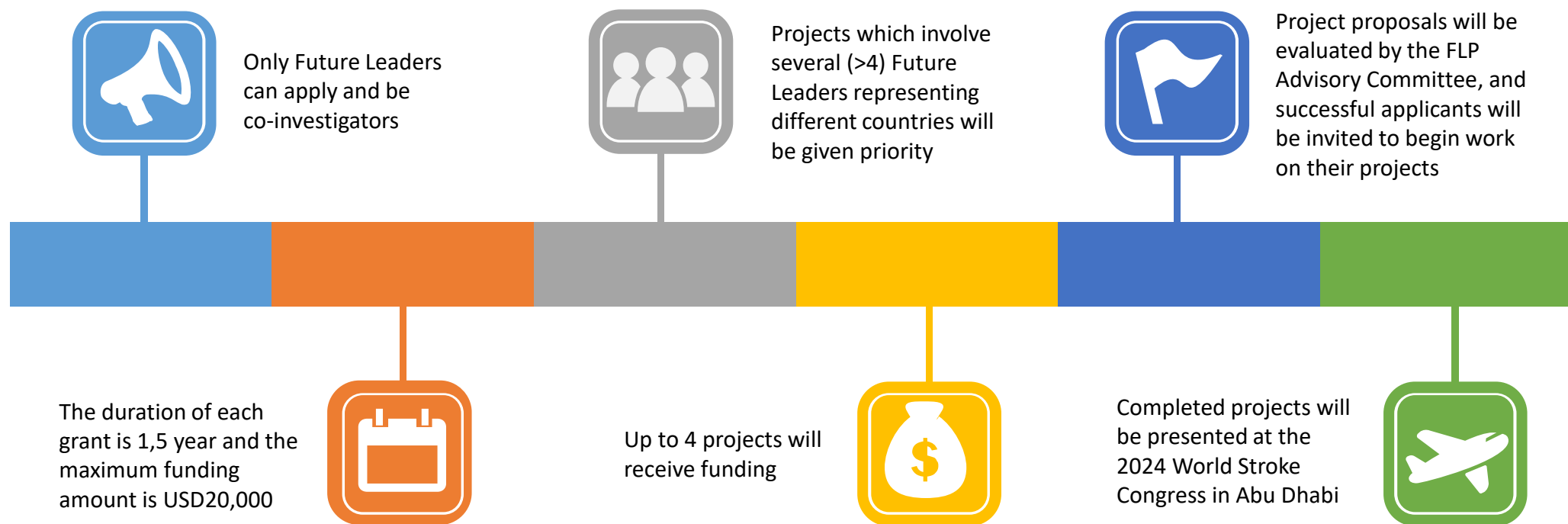
To reduce the global burden of stroke through more effective prevention, better treatment and long-term support

This Cohort's Future Stroke Leaders Programme theme is *“Implementation of Quality Stroke Care”* with the following areas of focus:

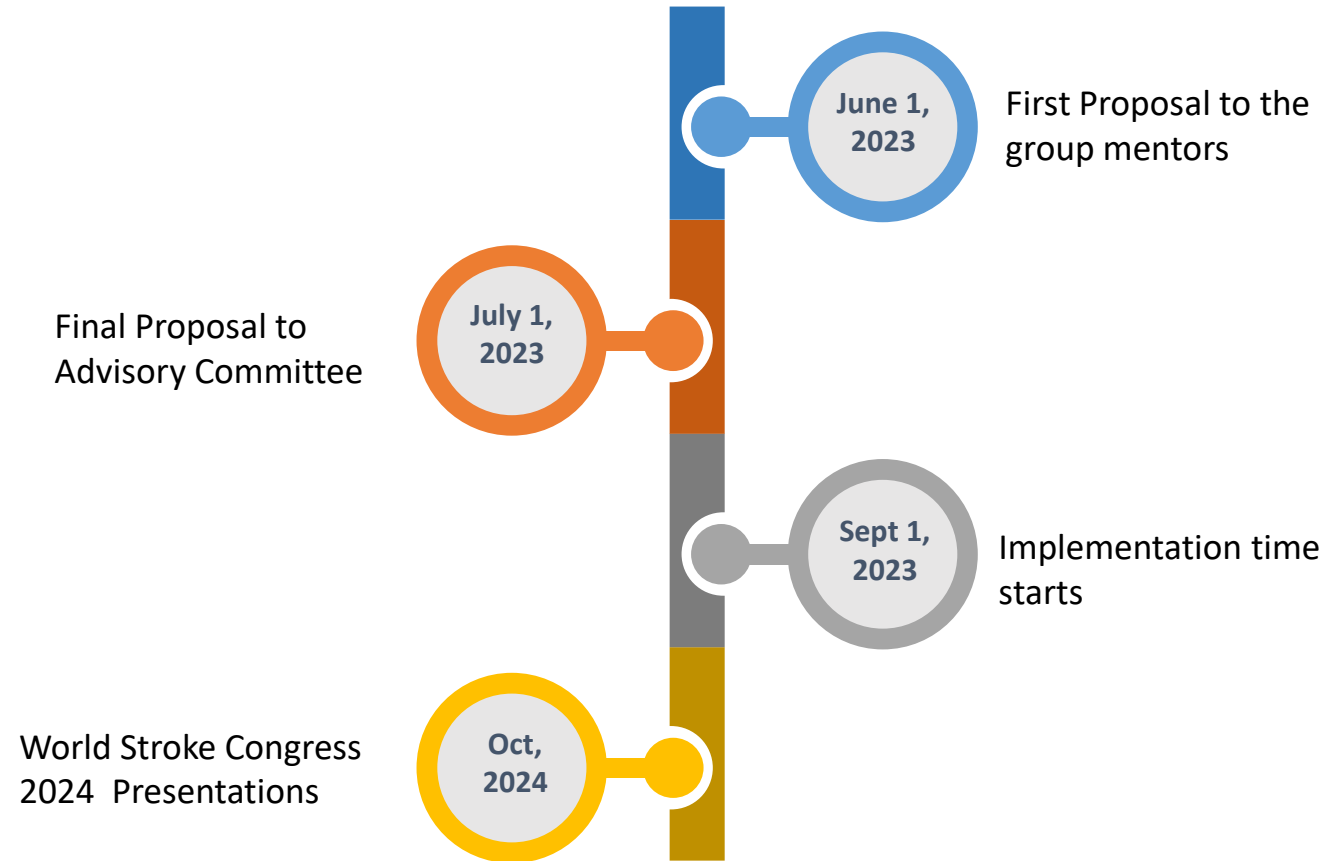
- Primary and Secondary Stroke Prevention
- Acute Stroke Care
- Post-Acute Stroke Care and Rehabilitation
- Global and Regional Priority Actions

Future Stroke Leaders Programme

Funded project requirements



FSLP– Funded project timeline

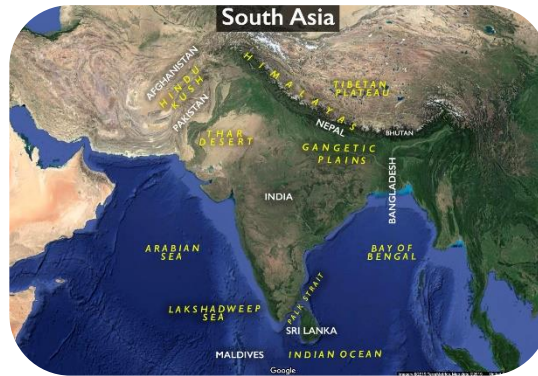


Future Stroke Leaders Programme – *Cohort 1* funded projects overview



Feasibility and challenges of
acute stroke care
implementation in two African
countries: a pilot study

1



Establishing Organized Stroke
Care In Low-And-Middle Income
Countries: From Training of Non-
Specialist to Implementation

2



Improving life after stroke for
young people: analysis of unmet
needs and development of
resources across countries

3



Unveiling the cost of Acute
Stroke Care in Latin America: a
comprehensive analysis

4

Future Stroke Leaders Programme – *Cohort 1* funded projects results

1

Acute care

Feasibility and challenges of acute stroke care implementation in two African countries: a pilot study

Outcomes:

Educational modules, tele-stroke app development

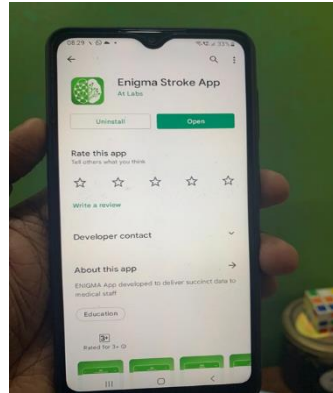


2

Task sharing

Establishing Organized Stroke Care In Low-And-Middle Income Countries: From Training of Non-Specialist to Implementation

Outcomes: ENIGMA Stroke App- mobile application developed especially for non-specialists to aid them in delivering evidence-based stroke care



3

Post-stroke care

Improving life after stroke for young people: analysis of unmet needs and development of resources across countries

Outcomes:

Improve stroke care pathways both globally and regionally



4

Cost of stroke care

Unveiling the cost of Acute Stroke Care in Latin America: a comprehensive analysis

Outcomes:

Opportunity to perform cost-effectiveness analysis with real-world data in countries where thrombolysis or mechanical thrombectomy is not widely available

