

## **BIOSKETCH Sheila Martins**

### **SHEILA CRISTINA OURIQUES MARTINS**

Date of Birth: 23/05/1971

Address: Rua Engenheiro Olavo Nunes, 99 ap 703, Bela Vista  
CEP 90440-170, Porto Alegre/RS

Professional Number: 20989 RS

Specialty: Neurology

### **WORK**

1. Coordinator of Stroke Program at Hospital de Clínicas de Porto Alegre
2. Professor of Medicine Universidade Federal do Rio Grande do Sul
3. Head of Neurology and Neurosurgery Hospital Moinhos de Vento

### **PREVIOUS WORK**

1. Advisor of Urgency and Emergency Department of the Ministry of Health of Brazil 2008 e 2009
2. Advisor of Middle and High Complexity Department of the Ministry of Health of Brazil 2011 a 2016

### **TECHNICAL EDUCATION: MEDICINE**

Institution: Universidade Federal do Rio Grande do Sul

Grade: MD

Date: 1994

### **AFTER GRADUATION**

1. Medical Residence in Neurology 1995-1998  
Institution : Hospital de Clínicas de Porto Alegre  
Grade: Specialist
2. Master in Science in Internal Medicine 2004  
Institution: Universidade Federal do Rio Grande do Sul  
Grade: MsC
3. PhD in Stroke Neurology 2008  
Institution: Escola Paulista de Medicina (UNIFESP)  
Grade: PhD
4. Specialization in Management of Health Care Networks 2012  
Institution: Ministry of Health of Brazil  
Grade: Specialist

### **A. Personal Statement**

I am a stroke neurologist in Brazil, as well as founder and President of the Brazilian Stroke Network (a NGO created to improve education, assistance and research about stroke in Brazil). In 2008, as advisor of the Brazilian Ministry of Health, I started the organization of the National Stroke Project and visited almost all Brazilian states evaluating the situation of stroke assistance. I collaborated to create the National Stroke

Policy of the Ministry of Health, published in 2012 and, since then, to establish several stroke units and local stroke networks in Brazil. I have organized a free online stroke teaching course in Brazil to train the whole stroke network (pre-hospital, pre-hospital and primary attention) and implemented the first telestroke pilot project in Brazil in 2008. In 2019, I have created a telestroke network with a mobile smartphone app, currently with fourteen new hospitals treating acute stroke patients under the Brazilian Stroke Network guidance. As the next step in the National stroke program, in 2015 I received funds from the Ministry of Health to evaluate the feasibility and cost-effectiveness of thrombectomy in Public hospitals in Brazil. The study was published in New England Journal on June 11, 2020, proving that the treatment is feasible, effective and cost-effective in developing countries.

Now (2020) I will start the implementation of a World Stroke Organization (WSO) program together with the Brazilian Ministry of Health (first country to implement): primary prevention for stroke based on a polipill of 2 anti-hypertensive in low dose + statin associated with life style modification training health workers and using stroke riskometer.

Because of my work in Brazil, I have been invited to show our experience and to help in other countries. I am currently president of Ibero-American Stroke Organization – IASO, also known as SIECV, a scientific society representing Latin America, Portugal and Spain (2018-2020).

Throughout my time working with the WSO (since 2008), I have been a very active member, an advocate for evidence-based stroke care, research and for people with stroke. Among other activities:

- I stimulated the creation of new Stroke Support Organizations in Brazil and in other Latin American countries;
- I expanded the World Stroke Campaign in Brazil to aware the population about stroke (from 7 cities in 2008 to more than 200 cities now) and I coordinate the World Stroke Campaign in Brazil since 2009 - Gold Winner of the WSO Award in 2011, Silver in 2009, 2012 and 2015)
- I have created a Spanish stroke teaching course – now in the World Stroke Academy online platform.
- Since 2018 I am the Vice-President for SSO and the co-chair of the World Stroke Campaign Committee

In the last years, I have worked to reinforce WSO's mission to reduce the global burden of stroke, helping other countries to develop their stroke programs:

\*I organized the Ministerial Stroke Meeting in Latin America (August 02, 2018, Gramado and March 11 2020, Rio de Janeiro, Brazil), with the proposal of engaging government leadership and civil society to explore and share promising efforts that are accelerating action to address cerebrovascular diseases. It was an opportunity to learn from other professionals and to take concrete actions to move us closer to a better stroke care in Latin America. The region has improved a lot working together.

In 2020, I organized the Global Stroke Alliance (GSA) Meeting, held in Rio de Janeiro, Brazil from March 11 to 14, an innovative meeting with the objective of stimulating a global alliance to improve stroke care worldwide and to discuss the best strategies to implement evidence-based interventions in all levels of continuum of care (prevention, treatment and rehabilitation). The Conference put together 570 leaders in person and several more by teleconference, from 20 countries from different parts of the world with extensive experience in the organization of stroke systems of care, researchers, health

professionals, health managers, scientific societies, private hospitals and patients associations. The meeting reached its goal of disseminating knowledge, exchanging experiences and creating action plans tailored to each region. In this meeting was launched the WSO project Cut Stroke in Half, a primary prevention program with implementation starting in Brazil this year (followed by other countries).

## **SOCIETIES**

President of Brazilian Stroke Network 2016 up to now

President of Ibero American Stroke Organization 2018 up to now

Vice-President World Stroke Organization – 2018 up to now

Founder and Board of Directors Member of Latin American and Caribbean Stroke Network – since 2015

### **In the Past**

Founder (2008) of Brazilian Stroke Network – 2008

President of Brazilian Stroke Society – 2012-2014

Vice-President of Brazilian Stroke Society – 2014-2016

Treasurer of Brazilian Stroke Society –2016-2018

Coordinator of Scientific Department of Cerebrovascular Diseases of Brazilian Academy of Neurology – 2012-2014

Member of Board of Directors of World Stroke Organization 2008-2015

Member of Executive Board of World Stroke Organization –2014-2018

## **MAIN SCIENTIFIC PUBLICATIONS**

1. **Martins SO**, Mont'Alverne F, Rebello LC, et al. **Thrombectomy for Stroke in the Public Health Care System of Brazil**. NEJM 2020; 382 (24): 2316-2326.

**Martins, Sheila C.O.**; Weiss, Gustavo ; Almeida, Andrea G., et al. Validation Of A Smartphone Application In The Evaluation And Treatment Of Acute Stroke In A Comprehensive Stroke Center. Stroke, V. 51, P. 240-246, 2020.

2. Nogueira, Raul G ; Lima, Fabricio O ; Pontes-Neto,.....; **Martins, Sheila O** . Randomization Of Endovascular Treatment With Stent-Retriever And/Or Thromboaspiration Versus Best Medical Therapy In Acute Ischemic Stroke Due To Large Vessel Occlusion Trial: Rationale And Design. International Journal Of Stroke, V. 1, P. 174749301989070, 2019.

3. **Martins SO**, Sacks C, Hacke W, et al. **Priorities to reduce the burden of stroke in Latin American countries**. Lancet Neurology 2019. DOI 10.1016/s1474-4422(19)30068-7.

4. Anderson CS, Huang Y, Lindley RI, Donnan GA, Durham AC, Lavados PM, Lee TH, Levi C, **Martins SO**, et al. **Intensive blood pressure reduction with intravenous thrombolysis therapy for acute ischaemic stroke (ENCHANTED): an international, randomised, open-label, blinded-endpoint, phase 3 trial**. Lancet. 2019 Feb 6. pii: S0140-6736(19)30038-8.

5. Nasi LA, **Martins SCO**, Gus M, et al. **Early Manipulation of Arterial Blood Pressure in Acute Ischemic Stroke (MAPAS): Results of a Randomized Controlled Trial**. Neurocrit Care. 2018 Nov 20.

6. GBD 2016 Lifetime Risk of Stroke Collaborators, Feigin VL, Nguyen G, Cercy K, Johnson CO, Alam T, Parmar PG, Abajobir AA, Abate KH, Abd-Allah F, Abejie AN, Abyu GY..., **Martins SCO**, et al. **Global, Regional, and Country-Specific**

**Lifetime Risks of Stroke, 1990 and 2016.** N Engl J Med. 2018 Dec 20;379(25):2429-2437.

7. Machline-Carrion MJ, Santucci EV, Damiani LP, Bahit C, Málaga G, Pontes-Neto OM, **Martins SCO**, et al. **An international cluster-randomized quality improvement trial to increase the adherence to evidence-based therapies for acute ischemic stroke and transient ischemic attack patients: Rationale and design of the BRIDGE STROKE Trial.** Am Heart J. 2019 Jan;207:49-57.

9. Michael Brainin, Valery Feigin, **Sheila Martins**, et al. **Cut stroke in half: Polypill for primary prevention in stroke.** International Journal of Stroke 2018; 13 (6): 633-647

10. Pontes-Neto OM, Cougo P, **Martins SCO**, et al. **Brazilian guidelines for endovascular treatment of patients with acute ischemic stroke.** Arq Neuropsiquiatr 2017;75(1):50-56.

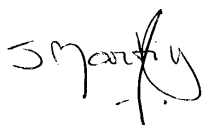
11. Anderson CS, Robinson T, Lindley RI,.... Donnan GA, **Martins S**, et al; ENCHANTED Investigators and Coordinators. **Low-Dose versus Standard-Dose Intravenous Alteplase in Acute Ischemic Stroke.** N Engl J Med. 2016 Jun 16;374(24): 2313-23. doi: 10.1056/NEJMoa1515510. Epub 2016 May 10. PubMed PMID: 27161018

12. Khatri P, Hacke W, Fiehler J,...., Jovin TG, Kidwell CS, Majoie C, **Martins SC**, et al; VISTA-Endovascular Collaboration. **State of acute endovascular therapy: report from the 12th thrombolysis, thrombectomy, and acute stroke therapy conference.** Stroke. 2015 Jun; 46 (6): 1727-34.

13. Feigin VL, Krishnamurthi R, Bhattacharjee R, Parmar P, Theadom A, Hussein T, Purohit M, Hume P, Abbott M, Rush E, Kasabov N, Crezee I, Frielick S, Barker-Collo S, Barber PA, Arroll B, Poulton R, Ratnasabathy Y, Tobias M, Cabral N, **Martins SC**, et al; **RIBURST Study Collaboration Writing Group.** **New strategy to reduce the global burden of stroke.** Stroke. 2015 Jun;46(6):1740-7. doi: 10.1161/STROKEAHA.115.008222. Epub 2015 Apr 16. Review. PMID: 25882050

14. Avezum Á, Costa-Filho FF, Pieri A, **Martins SO**, Marin-Neto JA. **Stroke in Latin America: Burden of Disease and Opportunities for Prevention.** Glob Heart. 2015 Feb 7. pii: S2211-8160(14)00018-0

15. **Martins SCO**; Pontes-Neto OM; Alves CV; Freitas GR; Oliveira Filho J; Tosta ED; Cabral NL. **Past, present and future of stroke in middle income countries:The Brazilian experiente.** International Stroke Journal. 2013, Volume 8, Supp A100: 106–111.



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