

Dr Ganesh Bavikatte

CV

PRINCIPAL PROFESSIONAL SPECIALISMS

MBBS, MD, FRCP, FEBPRM

Consultant in Rehabilitation Medicine

QUALIFICATIONS & ACCREDITATION

- 1998 - MBBS
- 2002 - MD Medicine
- 2007 - MRCP (UK), MRCP (London)
- 2011 - PGCE course workplace based postgraduate medical education/ accredited clinical supervisor, North Western Deanery.
- 2012 - Medical Leadership in Practice (MLiP course), Manchester Business School/ North Western Deanery
- 2012 - FEBPRM (European Board- Physical Medicine and Rehabilitation)
- 2012 - CCT (Rehabilitation Medicine), UK
- 2014 - Cardiff University Law School- Medico Legal Foundation certificate (CUBS)
- 2016 - FRCP (London)

EXPERT WITNESS

- Expert Medico Legal Report Writing, Manchester, 11 July 2013
- Cardiff University Law School- Medico Legal Foundation Certificate (CUBS)- 2013-2014

PRESENT POSITIONS

Consultant and Clinical Lead- Neurorehabilitation Medicine,
The Walton Centre NHS Foundation Trust
Cheshire and Mersey Rehabilitation Network, Liverpool.

Clinical Lead, North West Assistive Technology

Clinical Lead, Major Trauma Rehabilitation

Senior Clinical Lecturer, School of Medicine, Liverpool University

MEMBERSHIPS OF PROFESSIONAL ORGANISATIONS

- General Medical Council (GMC)
- Medical Defence Union (MDU)
- British Society of Rehabilitation Medicine (BSRM)
- Royal College of Physicians (London)
- British Medical Association (BMA)
- Member of Association of Personal Injury Lawyers (APIL)
- European Board of Physical and Rehabilitation Medicine
- International Society of Physical and Rehabilitation Medicine

PROFESSIONAL EXPERIENCE

I specialise in traumatic brain injury, polytrauma rehabilitation, neuro rehabilitation and stroke rehabilitation. I am an expert in the use of botulinum toxin for the treatment of spasticity. My subspecialty interests include hyperacute rehabilitation, polytrauma rehabilitation, stroke rehabilitation and neurorehabilitation following complex injuries. I run neurorehabilitation, spasticity and also combined neurotrauma clinics with neurosurgeons, psychology and charity organisations. I manage patients in Level 1 hyperacute and Level 1b specialist rehabilitation units. We take patients with acquired brain and spinal cord injury and patients with polytrauma and critical illness due to other acute medical and surgical illness. Our service been reported as an exemplary service by a national peer group team. I have wider experience in managing patients from acute, subacute units and in community settings.

I am actively involved in undergraduate, post graduate and multi and interdisciplinary teaching, audit and research projects, which have led to posters and publications in international platform to raise the profile of specialist rehabilitation. I have also conducted national and international workshops. I am the author of peer-reviewed publications and participate in professional societies, such as the British Society of Rehabilitation. I am lead investigator for several research projects.

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GUIDELINES AND INTERNATIONAL ROLES

- Examinership of the European Board of PRM. 2021-ongoing
- National guidelines development group "Spasticity in adults: Management using botulinum toxin 2nd Edition. Royal college of Physicians/ BSRM 2017-2018
- Traffic light system- worked with internationally leading experts to develop "Early warning scoring system for spasticity". This is tool for earlier prediction, identification and management of spasticity following stroke. 2018-2019
- ToxNet group - developing an international consensus statement to improve care and service for patients with spasticity, 2017- ongoing

TEACHING AND TRAINING

- I set up or lead- specialist training courses in regional, national and international platforms
- I set up and successfully run on regular basis "Liverpool spasticity course" and "Anatomy Training", a cadaver-based training course for clinicians managing spasticity.
- Regularly not only attend but also present / teach in local, regional, national and international meetings
- I run Rehabilitation Medicine and assistive technology courses and training on a regular basis
- Reviewer of Journals: Peer reviewer for many international rehabilitation Journals

BOOKS

Editor and main author

Bavikatte et Al, Spasticity: Early and Ongoing Management. Common Patterns, Botulinum Toxin Treatment, Ultrasound Localisation, Post-treatment Exercises. 1st Edition June 2017.

Editor and main author

Bavikatte et Al, Drooling of Saliva: Salivary glands, Management options, Botulinum toxin, Ultrasound localisation- 1st Edition, 2019

Co-Editor and Co-Author of the Book

"A Practical Approach to Interdisciplinary Complex Rehabilitation" Elsevier Publication (work in progress).

RESEARCH & INNOVATION

- U.K. Chief investigator for PATTERN – Multi-pattern treatment of upper and lower limb spasticity following stroke and TBI with Inco botulinum toxin. 2019- ongoing.
- Started and led project VERA (Virtual Engagement Rehabilitation Assistant) combines Artificial Intelligence, Virtual reality, interactive gaming, and personal assistance. VERA provides personalised support to patients throughout the rehabilitation journey 2018- ongoing.
- The principal investigator for the Brain-computer interface study, 2019-ongoing
- U.K. Chief investigator for ASPIRE- An international, multi-centre, prospective, observational study at selected North America, Europe, and Asia sites. 2015-2017.
- Research Collaborator for FABRICA Fatigue in Acquired Brain Injured Children and young Adults (FABRICA) is a national multi-centre research study exploring the experiences of children and young adults affected with an acquired brain injury (ABI). The University of Liverpool conducts the research with Alder Hey Children's Hospital and The Walton Centre collaborator centres.
- Principle investigator for ABOLISH- An international, multi-centre, prospective, observational study. 2020, terminated due to the COVID situation.
- Principal investigator for TONIC-Stroke (Trajectories of Outcomes in Neurological Conditions) pilot project, 2018-2019.
- The principal investigator for Guided Self-rehabilitation for long-term spasticity management, Pilot project, 2015-2016.
- Co-investigator for ReMemBrlin Study- the study of memory problems after Traumatic Brain Injury, 2014-2016.
- Supervising investigator for MRes Clinical Sciences (CNCS) project: Prevalence, Causes and Consequences of Sleep Disorders in Acquired Brain Injury, Liverpool University, 2014

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RESEARCH PUBLICATIONS

Carda S, Invernizzi M, Bavikatte G, et al.

The role of physical and rehabilitation medicine in the COVID-19 pandemic: the clinician's view. *Ann Phys Rehabil Med* 2020; Apr 18 doi:

<https://doi.org/10.1016/j.rehab.2020.04.001>

Francisco GE, Jost WH, Bavikatte G, et al. Individualized OnabotulinumtoxinA Treatment for Upper Limb Spasticity Resulted in High Clinician- and Patient-Reported Satisfaction: Long-Term Observational Results from the ASPIRE Study. *PM&R* 2020 Jan 17

<https://doi.org/10.1002/pmjr.12328>

Bavikatte G, opinion article, Post-stroke spasticity care – a new approach. *European Hospital* 11/12/2019
<https://healthcare-in-europe.com/en/news/post-stroke-spasticity-care-a-new-approach.html>

Francisco G, Balbert A, Bavikatte G, et al. A practical guide to optimizing the benefits of post-stroke spasticity interventions with onabotulinumtoxin A: an international group consensus PM&R (in Press)

Jost WH, Bäumer T, Laskawi R, et al. Therapy of Sialorrhea with Botulinum Neurotoxin. *Neurol Ther* 2019;8(2):273–288 <https://doi.org/10.1007/s40120-019-00155-6>

Morgante F, Bavikatte G, Anwar F, Mohamed B. The burden of sialorrhoea in chronic neurological conditions: current treatment options and the role of onabotulinumtoxinA (Xeomin®). *Ther Adv Neurol Disord* 2019;12:1756286419888601. Published online 2019 Nov 28. doi: 10.1177/1756286419888601

Francisco GE, Bandari DS, Bavikatte G, et al. The Adult Spasticity International Registry (ASPIRE) Study: Real-World Treatment Utilization and Effectiveness of OnabotulinumtoxinA in Post-Stroke Patients Treated for Spasticity (P5.048) *Neurology* 2018; 90(15 Supplement): P5. 048

Bell C, Hackett J, Hall B, et al. Symptomatology following traumatic brain injury in a multidisciplinary clinic: experiences from a tertiary centre. *Br J Neurosurg* 2018;32(5):495-500

Francisco GE, Bandari DS, Bavikatte G, et al. Comparison of onabotulinumtoxinA utilization across various etiologies of spasticity from the Adult spasticity international registry study: ASPIRE. *Ann Phys Rehabil Med* 2018; 61:e69

Esquenazi A, Jost W, Bavikatte G, et al. An examination of real-world onabotulinumtoxinA utilization for the treatment of lower limb spasticity: The Adult Spasticity International Registry (ASPIRE) study. *Ann Phys Rehabil Med* 2018; 61: e68

Gerard F, Bandari D, Bavikatte G, et al. Comparison of OnabotulinumtoxinA Utilization and Effectiveness across Various Etiologies of Spasticity from the Adult Spasticity International Registry Study: ASPIRE. *Mov Disord* 2018; 33:S58-S59

Francisco G, Bandari D, Bavikatte G, et al. Comparison of OnabotulinumtoxinA Utilization and Effectiveness across various etiologies of Spasticity from the Adult Spasticity International Registry Study: ASPIRE, *Neurology* 2018; 90 (15 Supplement): P5. 045

Francisco GE, Bandari DS, Bavikatte G, et al. Adult Spasticity International Registry Study: methodology and baseline patient, healthcare provider, and caregiver characteristics. *J Rehabil Med* 2017; 49:659-666

Francisco GE, Bandari DS, Bavikatte G, et al. The Adult Spasticity International Registry (ASPIRE) Study: 1-Year Results (P4. 034), *Neurology* 2017; 88(16 Supplement): P4. 034

Jost WH, Francisco GE, Bandari DS, et al. The Adult Spasticity International Registry (ASPIRE) study: 1 year results. *Basal Ganglia* 2017; 15

Francisco G, Bandari D, Bavikatte G, et al. Baseline Demographics and Clinical Characteristics of Patients Treated for Spasticity in the Adult Spasticity International Registry (ASPIRE Study) (P3. 296) *Neurology* 2017; 86 (16 Supplement), P3. 296

Francisco GE, Bandari DS, Bavikatte G, et al: Poster 66: The Adult Spasticity International Registry (ASPIRE) Study: Treatment Utilization Patterns in Patients Treated for Both Upper and Lower Limb Spasticity. *PM&R* 09/2017; 9(9):S158., DOI:10.1016/j.pmjr.2017.08.023

Francisco GE, Bandari DS, Bavikatte G, et al: Poster 79: The Adult Spasticity International Registry (ASPIRE) Study: 1-Year Results. *PM&R* 09/2017; 9(9):S162-S163

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RESEARCH PUBLICATIONS

Francisco GE, Bandari DS, Bavikatte G, et al: Adult Spasticity International Registry Study: methodology and baseline patient, health care provider, and caregiver characteristics. *J Rehabil Med* 2017; 49(8): 659-666. DOI:10.2340/16501977-2245

Bavikatte G. Health Awareness Rehabilitation Robotics and Virtual Rehab: How Far Should We Go?

Shippen C, Bavikatte G, Mackarel D. The Benefit of Botulinum Toxin A in the Management of Central Post Stroke Pain: A Case Report. *J Neurol Stroke* 2017; 6(6): 00218. DOI: 10.15406/jnsk.2017.06.00218

Jost WH, Francisco GE, Bandari DS, et al: The Adult Spasticity International Registry (ASPIRE) study: 1 year results. *Basal Ganglia* 05/2017; 8:15., DOI:10.1016/j.baga.2017.02.044

Francisco GE, Bandari D, Bavikatte G, et al: Poster 281 The Adult Spasticity International Registry (ASPIRE Study): Baseline Demographics and Clinical Characteristics of Patients Treated for Spasticity. *PM&R* 2016; 8(9):S251-S252., DOI:10.1016/j.pmrj.2016.07.454

Turner-Stokes L, Bavikatte G, Williams H, et al. Cost-efficiency of specialist hyperacute in-patient rehabilitation services for medically unstable patients with complex rehabilitation needs: A prospective cohort analysis. *BMJ Open* 2016; 6(9); e012112 doi:10.1136/bmjopen-2016-012112

Bavikatte G. Neurotrauma Book Review. *Advances in clinical neuroscience & rehabilitation: ACNR* 2016; 16: 33

Bavikatte G. Baseline Demographics and Clinical Characteristics of Patients Treated for Spasticity in the Adult Spasticity International Registry. *Neurology* 2016; 86(16):296

Bavikatte G et al. Poster Presentation. Major Trauma Rehabilitation Experience from the Walton Centre. *Mediterranean Congress, Montenegro, 2013*

Bavikatte G, Mavrianou A, Sacco P, et al. Sensory responses to real vs placebo TMS in healthy subjects and patients with chronic neuropathic pain. *Edinburgh Pain Conference, Edinburgh; 09/2016*

Bavikatte G. Prevalence, Causes and Consequences of Sleep Disorders in Acquired Brain Injury. 9TH ISPRM WORLD CONGRESS – BERLIN, GERMANY 19 June -23 Jun 2015; 07/2014

Bavikatte G, J Kulkarni. "Fat Graft in Upper limb amputee" *IJPO* 2012; 24(1):50-51

Bavikatte G, Hassoon A. "Autonomic dysfunction in GBS". Published online October/ November, *ACNR*, 2011

Bavikatte G, Hassoon A, Eshiet MU-A. "Tersons syndrome- experience of two patients in neurorehabilitation unit". *IJPMR* 2012;22(3):102-4

Bavikatte G, Sit P, Hassoon A. "Management of Drooling of Saliva", *BJPRM* 2010;1:1-10

Bavikatte G, Gaber T. "Management of Spasticity in General Practice" *BJMP* 2009; 2(3):29-34

Bavikatte G. "Case Studies in Neurological Rehabilitation" *ACNR* 2009;9(3):18

Bavikatte G, Gaber T, Eshiet MU-A. "Posterior Reversible Encephalopathy Syndrome as a complication of Guillain-Barre Syndrome". *J Clin Neurosci* 2010;17(7):924-6

M.D THESIS –"Estimation of Left Ventricular Mass In hypertensive Patients by Echo and Its Correlation with ECG"
Dec 2001