

**CURRICULUM VITAE  
NORHAYATI HUSSEIN**

**Personal Information**

Full Name	Norhayati binti Hussein
Work Address	Hospital Rehabilitasi Cheras, Jalan Yaacob Latif, Cheras, 56000 KL
Date of Birth, Age	
Marital status	Married
Nationality	Malaysian
E-mail	

**Medical Education**

Undergraduate Education 1994- 1999	Faculty of Medicine, University Malaya, Malaysia Bachelor of Medicine and Bachelor of Surgery (MBBS) Date of Graduation: 31 July 1999
Postgraduate Education 2004-2008	Faculty of Medicine, University Malaya, Malaysia Master of Rehabilitation Medicine (MRehabMed) Date of Graduation: 5 August 2008

**Professional Qualification**

Specialist Gazettement	Completion of Specialist Gazettement, Ministry of Health Malaysia Completion date: 9 December 2008
Specialist Qualification	Certificate of Credentialing in Rehabilitation Medicine conferred by the Ministry of Health, Malaysia (Post specialist- gazettelement) Date: 28 January 2009

Fellowship Qualification      Clinical Fellowship in Neurorehabilitation,  
University of Western Ontario, London, Ontario, Canada  
Date: 30 November 2013

Other Professional  
Qualification      Basic Neuro-Linguistic Programming (NLP) Practitioner  
National Federation of Neuro-Linguistic Programming  
(NFNLP), USA  
Date: 11-16 February 2017

Certified Lead Auditor Training ISO 9001: 2015 in 2015  
(Bureau Veritas)

Certified Medical Impairment Assessor (CMIA)  
National Institute of Occupational Safety and Health  
(NIOSH), Malaysia  
Date: 15 September 2011

Certification in Good Clinical Practice (GCP)  
Clinical Research Centre, Ministry of Health, Malaysia  
Date: 14 July 2011

Certified Lead Auditor Training- ISO 9001:2008 in 2009

### **Professional Appointments and Practice (Current Employment)**

20 December 2013-till  
current      Position: Rehabilitation Physician  
Discipline: Department of Rehabilitation Medicine  
Place of Work: Hospital Rehabilitasi Cheras, Kuala Lumpur,  
Malaysia  
Employer: Ministry of Health, Malaysia

### **Professional Appointments and Practice (Previous Working Experience)**

Aug 1999-Nov 2000      Position: House Officer (Housemanship)  
Discipline: Rotation Postings in Orthopaedics, Obstetrics &  
Gynecology, Internal Medicine, Pediatric  
Place of Work: Tengku Ampuan Afzan Hospital, Kuantan,  
25250 Pahang, Malaysia  
Employer: Ministry of Health, Malaysia

Nov 2000-June 2004      Position: Medical Officer (Registrar)  
Discipline: Emergency Department  
Place of Work: Selayang Hospital, Selayang, 68100 Selangor,  
Malaysia  
Employer: Ministry of Health, Malaysia

June 2004 -May 2008      Position: Rehabilitation Trainee (Post Graduate  
Internship/Residency)  
Discipline: Rehabilitation Medicine  
Place of Work: University Malaya Medical Center, Kuala  
Lumpur  
Employer: Ministry of Health, Malaysia

June 2008- Dec 2012      Position: Rehabilitation Physician  
Discipline: Department of Rehabilitation Medicine  
Place of Work: Tengku Ampuan Rahimah Hospital, Klang ,  
41200 Selangor, Malaysia  
Employer: Ministry of Health, Malaysia

20 Dec 2013-Current      Position: Rehabilitation Physician  
Discipline: Department of Rehabilitation Medicine  
Place of Work: Hospital Rehabilitasi Cheras  
Employer: Ministry of Health, Malaysia

### **Medical License**

#### **Registration Certificates**

#### **Malaysian Medical Council (MMC) Provisional Registration Certificate**

Number: 24459, Date of Issue: 7 June 1999

#### **Malaysian Medical Council (MMC) Full Registration Certificate**

Number 36471, Date of Issue: 10 August 2000

#### **National Specialist Register of Malaysia (NSR)**

Registration Number 130560

### **Professional Organization Affiliations:**

#### **International**

Asia Oceania Society of Neurorehabilitation (AOSNR)-  
National Representative for Malaysia

International Society of Physical and Rehabilitation  
Medicine (ISPRM) – Member

World Federation of Neurorehabilitation (WFNR) – Member

World Stroke Organization (WSO)- Member

## **Professional Activities**

### **International**

- Participate in WHO study - 'Validation of the ICF Core Sets for Spinal Cord Injury (SCI) from the perspective of health professionals' with Institute for Health- and Rehabilitation Sciences, Ludwig-Maximilian University, Munich, as research respondent 2009

### **National**

- Involved in publication of 'Manual of Amputee Rehabilitation for Primary Health Care Worker', Ministry of Health, Malaysia, June 2009
- Involved in the development of Clinical Practice Guidelines (CPG)-Management of Osteoarthritis, Ministry of Health, and Malaysia since December 2011. Completion of CPG in 2014
- External Reviewer for Malaysian Health Technology Assessment Section (MaHTAS) Acupuncture for Post Stroke Rehabilitation 2015
- External Reviewer for Malaysian Health Technology Assessment Section (MaHTAS) Transcranial Direct Current Stimulation TdCS for Post Stroke Rehabilitation 2016
- Reviewer for Medical Journal of Malaysia. The Importance of Oral Health to Prevent Aspiration Pneumonia. 2017

## **Bridging Program**

3 weeks of observership attachment at The Ottawa Hospital Rehabilitation Centre, Ontario, Canada  
November - December 2009

- Orthotics and Prosthetics Programme

6 weeks of electives attachment at Hampstead Rehabilitation Centre, Royal Adelaide Hospital, South Australia.  
May–July 2007

- Brain Injury Rehabilitation Service
- Orthopaedic, Amputee and Spinal Injury Rehabilitation
- Medical Rehabilitation Service (Stroke Rehabilitation)

## **INTERNATIONAL Publications**

### **a) International Journals**

- Teasell, R., **Hussein, N.**, McClure, A. and Meyer, M. (2014), Stroke: More than a 'brain attack'. *International Journal of Stroke*, 9: 188–190. doi: 10.1111/ij.s.12233
- McIntyre A, Richardson M, Janzen S, McClure A, **Hussein N**, Teasell R. The evolution of stroke rehabilitation randomized controlled trials. *International Journal of Stroke* 2014; Vol 9: 789-792
- Teasell R, Rice D, Richardson M, Madady M, **Hussein N**, Murie-Fernandez M, Page S. The Next revolution in stroke care. *Expert Review of Neurotherapeutics* 2014;14(11), 1307-1314

### **b) Book Chapters (International Publisher)**

- Teasell R, **Hussein N**. Predictors of Stroke Recovery. In: Stein et al (2<sup>nd</sup> edition), Stroke Recovery and Rehabilitation 2014, Demos Medical, New York ISBN-13: 978-1-620-70125-6
- Teasell R, **Hussein N**. General Concepts: Therapy for Rehabilitation and Recovery. In: Ovbiagele B and Turan T. Ischemic Stroke Therapeutics: A Comprehensive Guide, 2016, Springer International Publishing, Switzerland. ISBN-978-3-319-17750-2

- **Norhayati Hussein.** Acute Medical Conditions. In Cifu DX, Lew HL, ed. Braddom's Rehabilitation Care: A Clinical Handbook 2017 Elsevier, Philadelphia, USA ISBN: 978-0-47904-2

### c) International Evidence Based Review (International Web-Based)

- Robert Teasell , Norine Foley, Katherine Salter, Marina Richardson, Laura Allen, **Norhayati Hussein**, Sanjit Bhogal PhD Jeffrey Jutai , Mark Speechley, Evidence Based Review of Stroke Rehabilitation (EBRSR) 16th Edition.
- Robert Teasell, Norine Foley , **Norhayati Hussein**, Katherine Salter , Andrea Cotoi , Marina Richardson. Evidence Based Review of Stroke Rehabilitation (EBRSR) 17th Edition. Electronic web base- [www.ebrsr.com](http://www.ebrsr.com)
- Robert Teasell , Andrea Cotoi , Jeffrey Chow , Joshua Wiener, Alice Iliescu, **Norhayati Hussein**, Norine Foley, Katherine Salter. Evidence Based Review of Stroke Rehabilitation (EBRSR) 18th Edition. Electronic web base. [www.ebrsr.com](http://www.ebrsr.com)

### d) Published Abstract Proceedings

- **Norhayati Hussein**, Saini Jeffery, Lydia A Latif . To use or not to use: Prosthetic Satisfaction, Perceived Problems and Reasons for Non-use of Protheses among Unilateral Lower-Extremity Amputee. Oral Presentation. J Rehabil Med 2012;44 Supplementary 52 doi: 10.2340/16501977-0994
- McIntyre A, Richardson M, Janzen S, McClure A, **Hussein N**, Teasell R. The Evolution of Stroke Rehabilitation literature. Stroke 2013;44:e197
- McIntyre A, McClure A, Richardson M, Janzen S, **Hussein N**, Teasell R. Are the randomized controlled trials in stroke rehabilitation underpowered? Stroke 2013; 44:e197
- McIntyre A, Janzen S, Richardson M, McClure A, **Hussein N**, Teasell R. Methodological Quality of The Stroke Rehabilitation Literature. Stroke 2013; 44:e195

- McIntyre A, Kwok C, Aubut J, Janzen S, Richardson M, **Hussein N**, Teasell R. A comparison of stroke and acquired brain injury rehabilitation randomized controlled trials. Stroke 2013; 44:e19
- **Norhayati Hussein**, McIntyre A, Allen L, Madady M, Teasell R. Therapy Intensity in Post Stroke Unilateral Neglect: How much is Enough? J Rehabil Med 2015;47 Supplementary 54 pg 213
- **Norhayati Hussein**. Hiccups: The Less Notorious Sequelae of Ischaemic Stroke Neurorehabilitation & Neural Repair 2018 Volume 32(4-5) pg 407. DOI: 10.1177/1545968318765498
- **Norhayati Hussein**. Rehabilitation Tale with a Twist: Miler Fisher Syndrome and Related Overlapping Clinical Features of Guillain-Barre Syndrome Neurorehabilitation & Neural Repair 2018 Volume 32(4-5) pg 505. DOI: 10.1177/1545968318765498
- Aisyah Munirah Muda, Nor Syazwani Abdul Aziz, **Norhayati Hussein**. Hyperthermia After Stroke – How Do We Manage? J Clin Health Sciences Vol 4 (1) Supp 2019, S37; eISSN0127-984X
- Liyana Ahmad Farid, Che Moin, Faradilla , Zainal Abidin, Nur Niswaniy, **Norhayati Hussein**. Defeating the Odds Of ODS: A Case Series on Rehabilitation Outcome of Individuals with Osmotic Demyelination Syndrome Presenting with Features of Incomplete Locked-In Syndrome J Clin Health Sciences Vol 4 (1) Supp 2019, S38; eISSN0127-984X
- Liyana Ahmad Farid, Farah Inaz Khairuzzaman, Nor Syawana Abdullah, **Norhayati Hussein**. Getting Better Slowly, Yet Steadily: An Illustrative Report on Functional Recovery Trend of Guillain-Barré Syndrome and Miller-Fisher Syndrome Subtypes following Neurorehabilitation. J Clin Health Sciences Vol 4 (1) Supp 2019, S39; eISSN0127-984X

- Yusrena Yusoff, **Norhayati Hussein**. Dependent and 'Difficult': Rehabilitation Nursing Challenges in Managing Individuals with Osmotic Demyelination Syndrome J Clin Health Sciences Vol 4 (1) Supp 2019, S44; eISSN0127-984X

### **Conference Presentations**

#### International

- **Norhayati Hussein**, Saini Jeffery, Lydia A Latif. Important aspects and Satisfaction with Prostheses and the Relationship with Unilateral Amputees' Locomotor Outcome. Poster Presentation: Asian Prosthetic and Orthotic Scientific Meeting (APOSOM) August 2009, Hong Kong
- **Norhayati Hussein**, Saini Jeffery, Lydia A Latif. Extent of Prosthetic Use among Unilateral Transtibial and Transfemoral Amputees. Oral presentation: 5<sup>th</sup> World Congress of the International Society of Physical Medicine and Rehabilitation (ISPRM), June 2009, Istanbul Turkey
- **Norhayati Hussein**, Saini Jeffery. Unilateral Thigh Swelling in Paraplegia  
Poster Presentation: 49th International Spinal Cord Society (ISCoS) Annual Scientific Meeting, October 2010, New Delhi
- **Norhayati Hussein**, Saini Jeffery, Lydia A Latif. To use or not to use: Prosthetic Satisfaction, Perceived Problems and Reasons for Non-use of Prostheses Among Unilateral Lower-Extremity Amputee. Oral Presentation. The 3rd Asia-Oceanian Conference of Physical Medicine and Rehabilitation (AOCPRM) 20-23 May 2012, Bali
- Afra Abu Bakar, **Norhayati Hussein**. Seizure and shoulder-neck pain in a young tetraplegic-Is there anything in common between these two symptoms?  
11th Asian Spinal Cord Network (ASCoN) Conference, 29 November- 2 December 2012, Kuala Lumpur, Malaysia
- McIntyre A, Richardson M, Janzen S, **Hussein N**, Teasell R. The Evolution of Stroke Rehabilitation Knowledge. London



Health Research Day: Driving Innovation through Collaboration, London, Ontario, Canada, March 19, 2013.

- McIntyre A, Janzen S, **Hussein N**, Teasell R. The Evolution of Stroke Rehabilitation Knowledge. Stroke Collaborative, Heart and Stroke Network, Toronto, Ontario, October 2013
  
- McIntyre A, Richardson M, Janzen S, **Hussein N**, Teasell R. The Evolution of Stroke Rehabilitation Knowledge. Stroke Congress Montreal, Quebec, Canada October 2013
  
- McIntyre A, Richardson M, Janzen S, **Hussein N**, Teasell R. The Evolution of Stroke Rehabilitation Knowledge. Stroke Collaboration, Toronto, Ontario, October 2013.
  
- **Norhayati Hussein**, Fazah Akhtar, Chern PM. Experiential Learning Hemiplegic Care. World Congress of Neurorehabilitation, Istanbul, April 2014
  
- **Norhayati Hussein**, McIntyre A, Allen L, Madady M, Teasell R. Exploring the Intensity Of Therapy In Post Stroke Unilateral Neglect. World Congress of Neurorehabilitation (WCNR), Istanbul, April 2014
  
- **Norhayati Hussein**. Adult Cerebellar Mutism Following Cerebellar Haemorrhage and Posterior Decompressive Craniectomy. 4<sup>th</sup> Asia-Oceania Conference of Physical and Rehabilitation Medicine (AOPMR). Bangkok, December 2015
  
- **Norhayati Hussein**, McIntyre A, Allen L, Madady M, Teasell R. Therapy Intensity in Post Stroke Unilateral Neglect: How much is Enough? 9<sup>th</sup> World Congress International Society of Physical and Rehabilitation Medicine (ISPRM). Berlin, June 2015
  
- **Norhayati Hussein** et al Acquisition of Knowledge in Hemiplegia via Experiential Learning Model. 10<sup>th</sup> World Congress International Society of Physical and Rehabilitation Medicine (ISPRM). Kuala Lumpur May 2016

- **Norhayati Hussein.** Rehabilitation of Miller Fisher Syndrome. More than Meets The Eyes. 10<sup>th</sup> World Congress International Society of Physical and Rehabilitation Medicine (ISPRM). Kuala Lumpur, May 2016
- **Norhayati Hussein.** MCA Infarct in a Young Individual with Marfan Syndrome. 10<sup>th</sup> World Congress International Society of Physical and Rehabilitation Medicine (ISPRM). Kuala Lumpur, May 2016
- **Norhayati Hussein.** Hiccups: The Less Notorious Sequelae of Ischaemic. 10<sup>th</sup> World Congress for Neurorehabilitation (WCNR), Mumbai, February 2018
- **Norhayati Hussein.** Rehabilitation Tale with a Twist: Miler Fisher Syndrome and Related Overlapping Clinical Features of Guillain-Barre Syndrome. 10<sup>th</sup> World Congress for Neurorehabilitation (WCNR), Mumbai, February 2018
- **Norhayati Hussein et al.** Ischaemic Stroke as a Neurovascular Complication In A Young Individual With Marfan Syndrome: A Recovery And Rehabilitation Challenge. Short communication. 11<sup>th</sup> World Stroke Congress (WSC). Montreal, October 2018
- **Norhayati Hussein et al.** Fragility Fracture of the Proximal Humerus in Individuals with Stroke. 11<sup>th</sup> World Stroke Congress (WSC). Montreal, October 2018
- **Norhayati Hussein et al.** Stroke for an Hour'- Using Role Play to Enhance Awareness Amongst Caregivers Of Individuals With Stroke. 11<sup>th</sup> World Stroke Congress (WSC). Montreal, October 2018
- **Norhayati Hussein et al** Singultus and Stroke: Familiar Yet Strange. 11th World Stroke Congress (WSC). Montreal, October 2018

## **National**

- **Norhayati Hussein, Saini Jeffery, Lydia A Latif** . Extent of Use and Level of Satisfaction with Prostheses Among Unilateral Transtibial and Transfemoral Amputees.  
Oral presentation: 2<sup>nd</sup> Malaysian Conference on Rehabilitation (MCR), November 2008, Kuala Lumpur, Malaysia

## **Coordinator and Committee Member**

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### International Level

- Organizing Committee Member -Asian Spinal Cord Network (ASCoN) 11th Annual Scientific Meeting 2012, Kuala Lumpur
- Local Organizing Committee (Secretary) of the 10<sup>th</sup> World Congress of International Society of Physical Medicine and Rehabilitation (ISPRM), KL 2016

### National level

- Deputy Chairman for 10<sup>th</sup> Annual Malaysian Rehabilitation Medicine Conference (AMRMC), Putrajaya 29 -31 October 2018
- Assistant Chairperson : National Seminar and Workshop on Paediatric Rehabilitation: Cerebral Palsy-Beyond Spasticity, July 2011
- Scientific Committee Member for 2<sup>nd</sup> Malaysian Conference on Rehabilitation (MCR), September 2010, Kuala Lumpur, Malaysia
- Scientific Committee Member for 2<sup>nd</sup> Malaysian Conference on Rehabilitation (MCR), November 2008, Kuala Lumpur, Malaysia

### State Level

- Chairperson, Basic Hemiplegic Care Course and Workshop, May 2012
- Chairperson, Acute Hemiplegic Care Workshop, 4 June 2010
- Chairperson , Lower Limb Amputation Rehabilitation , 17-18 August 2009

## **Extracurricular and Community Activities**

### International /National

- Certified International Paralympics Committee (IPC) Bowls Medical Classifier for the Nation of Malaysia
- National Medical Classifier for Lawn Bowl in Far East and South Pacific Games for the Disabled (FESPIC) Games, 2006, Kuala Lumpur, Malaysia
- Medical Stand-by Personnel for Non-Allied Movement (NAM) Summit Meeting, February 2003
- Medical Stand-by Personnel for ASEAN Basketball Championship (Below 18), Kuala Lumpur, 2003
- Medical Stand-by Personnel for National Rally of PEACE Malaysia, 2003

### Local

- “Leg for the Legless Project”, partnership project between Rotary Club of Bandar Sunway, District 3300, Malaysia and Tengku Ampuan Rahimah Hospital. Project involves providing free lower extremity prostheses.
- Multidisciplinary Community Outreach Programme, Klang , Selangor (monthly basis) 2011-2012
- Volunteer for Malaysian Information Network on Disability (MIND) project, an electronic information resource network on disability issues. 2005-2007

## **Posts Held**

### National

- Secretary for Malaysian Association of Rehabilitation Physicians (MARP), October 2010 till February 2016
- Committee Member (Education Committee) Malaysian Association of Rehabilitation Physicians (MARP) February, 2016 till October 2018
- Leader for Special Interest Group (SIG) Neurorehabilitation & Stroke for MARP- Jan 2018 till current

### Hospital Level (Quality Activity Related)

- Committee for Patient's Safety: Prevention of Falls, HTAR, Klang from October 2010 - December 2012

- Hospital Quality MS ISO 9001:2008, Assistant Management Representative (MR) from 2009 -December 2012 (HTAR)
- MS ISO 9001: 2008 Certified Internal Auditor since June 2009
- Lead Auditor for Internal Audit (MS ISO 9001: 2008) at HTAR from June 2009- Dec 2012
- Lead Auditor for Internal Audit (ISO 9001: 2008) at HRC from October 2014-till current
- ISO 9001: 2015 Coordinator for HRC, October 2017 till current
- Committee for Patient's Safety: Prevention of Falls,HRC 2018-2020

### **Recognition Awards**

Received Award for Excellence in Public Service (*'Anugerah Perkhidmatan Cemerlang Perkhidmatan Awam'*) from the State Health Department (Selangor), 2003

Received Award for Excellence in Public Service (*'Anugerah Perkhidmatan Cemerlang Perkhidmatan Awam'*) from the State Health Department (Selangor), 2010

Received Award for Excellence in Public Service (*'Anugerah Perkhidmatan Cemerlang Perkhidmatan Awam'*) from the State Health Department (Wilayah Persekutuan), 2014

Received Best Stroke Campaign 2016 Award from (on behalf of HRC) World Stroke Organization (WSO), Geneva, Switzerland

Received Special Recognition Award (*'Anugerah Khas'*) from the State Health Department (Wilayah Persekutuan), 2017

Received Certificate of Excellence from Malaysian Association of Rehabilitation Physicians (MARP), 30 October 2018

## **Referees**

Dr Yusniza Mohd Yusof ,  
Head of Department of Rehabilitation Medicine, Hospital  
Rehabilitasi Cheras and Head of Rehabilitation Medicine Service,  
Ministry of Health, Malaysia  
Email: dryusniza\_my@yahoo.com

Professor Lydia Abdul Latif,  
Chief Medical Officer  
ReGen Rehabilitation Hospital

Rehabilitation Medicine Consultant  
Department of Rehabilitation Medicine, Faculty of Medicine,  
University of Malaya  
Email: lydialatif@um.edu.my