

Nihad A. Almasri, PT, PhD
Professor of Pediatric Physiotherapy
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I. Personal Statement

My **research** activities aim to develop and conduct research that contributes to the areas of evaluation of service systems, translation, and validation of outcome measures, implementation of evidence-based practice, and development of registries and surveillance systems in middle and low-income countries. I hope that my research findings will advocate for the rights of people with disabilities, particularly in LMIC. My **academic** activities aim to deliver quality physiotherapy education for graduate and undergraduate students related to pediatric and neurological conditions. Also, I have been involved in the development of undergraduate and graduate physiotherapy programs both nationally and internationally. As a consultant, I have been delivering consultation services for centers of people with disabilities in Jordan aiming for monitoring and capacity building for health professionals. I am a consultant for the World Physiotherapy and I have participated as a working group member in WHO initiatives related to developing rehabilitation competency framework. I wish that I can serve people with disabilities and their families in MLIC through research, education, and consultation work.

II. Education

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| • 2006- 2010 | Doctor of Philosophy in Rehabilitation Sciences (Ph.D.) | Drexel University Philadelphia, PA USA |
| Dissertation: <i>"Family Needs of Children and Youth with Cerebral Palsy: Determinants and Unique Profiles"</i> | | |
| • 2005- 2006 | Masters of Science in Health and Rehabilitation Sciences with Concentrations in Neuromuscular and Musculoskeletal Physical Therapy (MS) | University of Pittsburgh, Pittsburgh, PA USA |
| • 1999- 2003 | Bachelor of Science in Physical Therapy (BC) | The University of Jordan, Amman, Jordan |

III. Physical Therapy Experience

• Academic and Professional Employment

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| • 2019 – Current | Professor | Department of Physiotherapy School of Rehabilitation Sciences The University of Jordan Amman, Jordan |
| • 2016 - 2018 | Acting Dean | School of Rehabilitation Sciences Amman, Jordan |
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| • 2015 - 2019 | Associate Professor | Department of Physiotherapy School of Rehabilitation Sciences The University of Jordan Amman, Jordan |
| • 2014- 2015 | Head of Physiotherapy department | Department of Physiotherapy School of Rehabilitation Sciences The University of Jordan Amman, Jordan |
| • July 2014 – Aug 2014 | Post-doctoral fellow | Canchild center for disability and childhood research McMaster University Hamilton, Ontario, Canada |
| • 2010- 2014 | Assistant Professor | Department of Physiotherapy School of Rehabilitation Sciences The University of Jordan |
| • 2011- 2012 | Dean Assistant for Quality and Students Affairs | School of Rehabilitation Sciences The University of Jordan |
| • 2006 – 2010 | Research Assistant | Department of Physical Therapy and Rehabilitation Sciences Drexel University, Philadelphia, PA, USA |
| • 2006 –2010 | Teaching Assistant | Department of Physical Therapy and Rehabilitation Sciences Drexel University, Philadelphia, PA, USA |
| • 2003- 2005 | Teaching & Research Assistant | Department of Physiotherapy School of Rehabilitation Sciences The University of Jordan |
| • <u>Clinical- Professional Employment</u> | | |
| • 2019- Current | Consultant - WCPT to develop an entry-level program in physiotherapy in Tajikistan | World confederation of Physical Therapy |

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| • 2019- Current | Consultant - WHO to develop Rehabilitation competency framework | World Health Organization |
| • 2010- Current | Consultant Pediatric Physical Therapist | Al Husain Society for Children with Disabilities Amman, Jordan |
| • 2010- Current | Consultant to train Physical Therapists | Handicap International Amman, Jordan |
| • 2009- 2010 | Pediatric Physical Therapist | United of Cerebral Palsy Philadelphia, PA USA |
| • 2009 – 2010 | Medical Physical Therapist(Per-Diem) | Hospital of University of Pennsylvania Philadelphia, PA USA |
| • 2009 - 2010 | Physical Therapist (Pro Bono) | Eleventh Street Family Health Services of Drexel University, Philadelphia, PA USA |
| • 2005 - 2006 | Physical Therapist (internship) | Sports Medicine Department University of Pittsburgh Medicine Center (UPMC) Pittsburgh, PA USA |

IV. Teaching Experiences

Courses taught as an instructor (Undergraduate)

- Pediatric Physical Therapy I
- Pediatric Physical Therapy II
- Clinical Pediatric Physical Therapy
- Neurosciences
- Physical Therapy in Acute care
- Physical Therapy in Sport
- Special Cases in Physical Therapy
- Principles in Rehabilitation Medicine
- Neuromuscular Physical therapy
- Musculoskeletal Physical Therapy
- Project

Courses taught as an instructor (graduate)

- Evidence-based practice
- Scientific writing and inquiry
- Clinical Reasoning

V. Professional Activities and Memberships

- 2008- Current American board-certified physical therapist in NY and PA

- 2010- Current An active member of the Jordanian Society of Physiotherapy
- 2011- Current An active member of the World Confederation of Physical Therapy
- 2012- Current An active member of the International Society on Early Intervention
- 2011- 2012
2015 - 2016 General Secretary of the Jordanian Physiotherapy Society
- 2011- Current Invited reviewer: [Physical and Occupational Therapy in Pediatrics; Disability and rehabilitation; Journal of pediatric neurology; Journal of Intellectual and developmental disability; BMC pediatric; Research in Developmental disabilities
- 2013- Current Co-editor for the journal:
 - Physical and Occupational Therapy in Pediatrics
- 2017- Current Editorial Board Member
 - EC Neurology journal
- 2016- current Country representative in the CHIFA - Child Health and Rights group
- 2017- current An active member in the WCPT Database of Volunteers and Experts (DOVE)

VI. Honors

- 2013- L’Oreal UNESCO For Women in Science Pan Arab fellowship.
- 2016- **40 under 40** recognition as a graduate from Drexel University-USA.
- 2010& 2018- Erasmus+ teaching staff mobility- Sweden- Lund University
- 2018- Outstanding Woman In Health And Medical Sciences- Venus International Women Awards

VII. Peer-Reviewed Publications

2021

- Almasri, N. A., Dunst, C. J., Saleh, Reema Tayem. (2021). Development and Psychometric Properties of the Arabic Parent Nutritional Assessment Scale (A-PNAS) for Children with Developmental Disabilities. *Journal of Physical and Occupational Therapy in Pediatrics (Accepted for publication)*
- Hadoush, H., Almasri, N. A. (2021).The effect of bilateral anodal transcranial direct current stimulation versus treadmill training on brain activities, gait functions, level of participation and enjoyment of children with cerebral palsy: A randomized controlled trial study protocol. *Developmental Neurorehabilitation (Accepted for publication)*

2020

- Lozano, R., Fullman, N., Mumford, J. E., Knight, M., Barthelemy, C. M., Abbafati, C., ... **Almasri, N.** & Cárdenas, R. (2020). Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258), 1250-1284.
- Olusanya, B. O., Wright, S. M., Nair, M. K. C., Boo, N. Y., Halpern, R., Kuper, H., **Almasri, N.** & Backhaus, S. (2020). Global burden of childhood epilepsy, intellectual disability, and sensory impairments. *Pediatrics*, 146(1).
- James, S. L., Castle, C. D., Dingels, Z. V., Fox, J. T., Hamilton, E. B., Liu, Z., . **Almasri, N.** & Abdelalim, A. (2020). Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Injury Prevention: Journal of the International Society for Child and Adolescent Injury Prevention*.
- Hadoush, H., Nazzal, M., **Almasri, N.**, Khalil, H., & Alafeef, M. (2020). "Therapeutic Effects of Bilateral Anodal Transcranial Direct Current Stimulation on Prefrontal and Motor Cortical Areas in Children with Autism Spectrum Disorders: A Pilot Study". *Autism Research*.

2019

- Okasheh, R., Al-Yahya E., Al-Khlaifat, L., **Almasri, N.**, Muhaidat, J., Qutishat, D. (2019). Advancing cardiorespiratory physiotherapy practice in a developing country: Surveying and benchmarking. *Rehabilitation Research and Practice*. (Accepted for publication)
- Saleh, M., **Almasri, N. A.**, Malkawi, S. H., & Abu-Dahab, S. (2019). Associations between impairments and activity limitations components of the international classification of functioning and the gross motor function and subtypes of children with cerebral palsy. *Journal of physical therapy science*, 31(4), 299-305.
- Barghuthi, F., **Almasri, N. A. &** Takturi, D. (2019). Exploring agendas of patients attending family medicine clinics in Jordan. A qualitative content analysis study. *Saudi medical journal*, 40(8), 844-848.

2018

- **Almasri, N. A.**, Saleh, M., Abu-Dahab, S., Malkawi, S. H., & Nordmark, E. (2018). Functional profiles of children with cerebral palsy in Jordan based on the association between gross motor function and manual ability. *BMC pediatrics*, 18(1), 276.
- **Almasri, N. A.**, Dunst, C. J., Saleh, M., & Okasheh, R. (2018). Determinants of Utilization of Health Services Provided for Children with Cerebral Palsy in Jordan. *Journal of Developmental and Physical Disabilities*, 1-13.
- Björquist, E., **Almasri, N. A.**, Hallström, I., & Nordmark, E. (2018). Transitioning to Adulthood in Sweden: Comparing the Priorities of Immigrant Youths with Disabilities and Caregivers, from Middle-Eastern Countries. *Research in Health Science*, 3(1), 7.
- **Almasri, N. A.**, Saleh, M., Abu-Dahab, S., Malkawi, S. H., & Nordmark, E. (2018). Development of a Cerebral Palsy Follow-up Registry in Jordan (cpup-jordan). *Child: care, health and development*, 44(1), 131-139.

2017

- **Almasri, N. A.**, Palisano, R. J., & Kang, L. J. (2017). Cultural adaptation and construct validation of the Arabic version of children's assessment of participation and enjoyment and preferences for activities of children measures. *Disability and Rehabilitation*, 1-8.

- Björquist, E., Nordmark, E., **Almasri, N. A.**, & Hallström, I. (2017). Immigrant Youths with Disabilities and Caregivers from the Middle-East—Challenges and Needs During Transition to Adulthood. *Research in Health Science*, 2(4), 363.
- Malkawi, S. H., Abu-Dahab, S., Amro, A. F., & **Almasri, N. A.** (2017). The Psychometric Properties of the Arabic Preschool Activity Card Sort. *Occupational Therapy International*, 2017.
- **Almasri, N. A.**, An, M., & Palisano, R. J. (2017). Parents' Perception of Receiving Family-Centered Care for Their Children with Physical Disabilities: A Meta-Analysis. *Physical & Occupational Therapy In Pediatrics*, 1-17.
- Saleh, M., & **Almasri, N. A.** (2017). Cerebral palsy in Jordan: Demographics, medical characteristics, and access to services. *Children's Health Care*, 46(1), 49-65.

2016

- Chiarello, L. A., Palisano, R. J., Maggs, J. M., Orlin, M. N., **Almasri, N.**, Kang, L. J., & Chang, H. J. (2016). Family priorities for activity and participation of children and youth with cerebral palsy. *Physical therapy*, 90(9), 1254-1264.

2015

- **Almasri, N.**, & Saleh, M. (2015). Inter-rater agreement of the Arabic Gross Motor Classification System Expanded & Revised in children with cerebral palsy in Jordan. *Disability and Rehabilitation*, 37(20), 1895-1901.

2014

- **Almasri, N. A.**, Saleh, M., & Dunst, C. J. (2014). Family resources for families of children with cerebral palsy in Jordan: psychometric properties of the Arabic-Family Resources Scale. *Child: care, health, and development*, 40:3, 354-362.
- **Almasri, N.**, Saleh, M., Dunst, C. Psychometric Properties of Arabic Family Support Scale for Families of Children and Youth with Cerebral Palsy in Jordan (2014). *Journal of Intellectual & Developmental Disability*, 39:3, 223-232.
- LaForme Fiss, A., Chiarello, L. A., Bartlett, D., Palisano, R. J., Jeffries, L., **Almasri, N.** and Chang, H.-J. (2014), Family ecology of young children with cerebral palsy. *Child: Care, Health and Development*, 40: 562–571. DOI: 10.1111/cch.12062

2013

- Saleh, M., & **Almasri, N. A.** (2013). Use of the Measure of Processes of Care (MPOC-20) to evaluate health service delivery for children with cerebral palsy and their families in Jordan: validation of Arabic-translated version (AR-MPOC-20). *Child: Care, Health and Development*.
- **Almasri, N. A.**, O'Neil, M., & Palisano, R. J. (2013). Predictors of needs for families of children with cerebral palsy. *Disability & Rehabilitation*, 36(3), 210-219.

2011

- **Almasri, N.**, Palisano, R. J., Dunst, C., Chiarello, L. A., O'Neil, M. E., & Polansky, M. (2012). Profiles of family needs of children and youth with cerebral palsy. *Child: care, health, and development*, 38(6), 798-806.
- **Almasri, N. A.**, Palisano, R. J., Dunst, C. J., Chiarello, L. A., O'Neil, M. E., & Polansky, M. (2011). Determinants of needs of families of children and youth with cerebral palsy. *Children's Health Care*, 40(2),

130-154.

2010

- Orlin, M. N., Palisano, R. J., Chiarello, L. A., Kang, L. J., Polansky, M., **Almasri, N.**, & Maggs, J. (2010). Participation in home, extracurricular, and community activities among children and young people with cerebral palsy. *Developmental Medicine & Child Neurology*, 52(2), 160-166.
- Chiarello, L. A., Palisano, R. J., Maggs, J. M., Orlin, M. N., **Almasri, N.**, Kang, L. J., & Chang, H. J. (2010). Family priorities for activity and participation of children and youth with cerebral palsy. *Physical therapy*, 90(9), 1254-1264.
- Palisano, R. J., **Almasri, N.**, Chiarello, L. A., Orlin, M. N., Bagley, A., & Maggs, J. (2010). Family needs of parents of children and youth with cerebral palsy. *Child: care, health, and development*, 36(1), 85-92.

2009

- Chiarello L.A, **Almasri N.**, Palisano R.J. (2009). Factors Related to Adaptive Behavior in Children with Cerebral Palsy. *Journal of Developmental & Behavioral Pediatrics*, 30(5):435-41.

VIII. Peer-Reviewed Conferences Presentations

2019

- Hadoush, H., Alafeef, M., **Almasri, N.**, & Abdulhay, E. (2019). Resting-state EEG changes after bilateral anodal transcranial direct current stimulation over mirror neurons in children with autism spectrum disorders: A pilot study. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 12(2), 537.
- Barghuthi, F., **Almasri, N. A. &** Takruri, D. (2019). Exploring agendas of patients attending family medicine clinics in Jordan. A qualitative content analysis study. *Oman's first conference for family medicine*. Oman, October 2019. [Platform]

2018

- Almasri, N. A., An, M., & Palisano, R. J. Parents' Perception of Receiving Family-Centered Care for Their Children with Physical Disabilities: A Meta-Analysis. *The 30th Annual meeting of the European Academy of Childhood Disability*, Tbilisi, Georgia, May 28-31, 2018. [Poster]
- **Almasri, N.**, Saleh, M. Functional profiles of children with cerebral palsy in Jordan: association between gross motor function and manual ability. *The 30th Annual meeting of the European Academy of Childhood Disability*, Tbilisi, Georgia, May 28-31, 2018. [Poster]

2017

- **Almasri N.**, Saleh M, Abu-Dahab S, Malkawi S. Development of Cerebral Palsy follow-up registry for children with Cerebral Palsy Jordan. The 7th Jordanian and 9th Pan Arab Congress in Physical Medicine and Rehabilitation. *Amman, Jordan, October 2017*. [Platform]

2016

- **Almasri, N.**, Saleh, M., Nordmark, E. Testing the feasibility of a national health registry program for children with Cerebral Palsy CPUP-Jordan. *The International Conference on Cerebral Palsy and other Childhood-onset Disabilities in Stockholm* 1–4 June 2016. [Platform]

- **Almasri**, N., Saleh, M., Nordmark, E. The development of a National Health Registry Program for Children with Cerebral Palsy. *International Society on Early Intervention (ISEI) Conference*. June 8-10, 2016 in Stockholm, Sweden [Plateform]

2015

- **Almasri**, N., Saleh, M., Nordmark, E. Testing the feasibility of a national health registry program for children with Cerebral Palsy CPUP-Jordan. *The 7th East European & Mediterranean Cerebral Palsy & Developmental Medicine conference*. Poznan, Poland, June 17-20, 2015 [Plateform]

2014

- **Almasri N.** Inter-rater Agreement of the Arabic Gross Motor Classification System Expanded & Revised in children with cerebral palsy in Jordan. [Plateform]. *The 6th Jordanian & 8th Pan Arab Congress in Physical Medicine, Arthritis and Rehabilitation*. Amman, Jordan. May 13-16, 2014.

2013

- **Almasri N.** Influence of Family Environment on Medical Services Provided for Children with Cerebral Palsy in Jordan. [Plateform]. 2013 *International Society on Early Intervention (ISEI) Regional Conference*. St. Petersburg, Russian Federation. July 1-3, 2013.
- **Almasri N**, Saleh M, Abu-Dahab S, Malkawi S. A population-based health registry program for children with Cerebral Palsy CPUP-Jordan. [Plateform]. The 7th Pan Arab Congress in Physical Medicine, Arthritis and Rehabilitation. *Jeddah, Saudi Arabia*. March 2013.

2012

- **Almasri N**, Saleh M. Parent Perceptions of Family-centered Practice for Children with Cerebral Palsy in Jordan. [Plateform]. *The 4th International Cerebral Palsy Conference*. Pisa, Italy. Oct 2012.
- **Almasri N**, Saleh M. Cultural validation of measures related to families of Children with Cerebral Palsy in Jordan. [Plateform]. *The 4th International Cerebral Palsy Conference*. Pisa, Italy. Oct 2012
- **Almasri N**, Saleh M. Population-Based Study of Rehabilitation Services Provided for Children with Cerebral Palsy. [Plateform]. *The 4th International Cerebral Palsy Conference*. Pisa, Italy. Oct 2012.

2011

- **Almasri N**, Palisano R, Dunst C, Chiarello L, O'Neil M, Polansky M: Family Needs of Parents of Children and Youth with Cerebral Palsy. [Plateform] *The Fifth Annual Scientific Day of Rehabilitation Science Faculty*. Amman, Jordan. April 2011.
- **Almasri N**, Palisano R, Dunst C, Chiarello L, O'Neil M: Determinants of Family Needs of Parents of Children and Youth with Cerebral Palsy. [Poster] *International Conference of the World Confederation of Physical Therapy*. Amsterdam, Netherlands. June 2011.
- **Almasri N**, Saleh M: Cross-cultural validation of the Measure of Process of Care (MPOC-20). *The 5th Jordanian & 6th Pan Arab Congress in Physical Medicine, Arthritis and Rehabilitation*. Amman, Jordan. October 2011

2010

- **Almasri N**, Palisano R, Dunst C, Chiarello L, O'Neil M, Polansky M: Profiles of needs of families of Children and Youth with Cerebral Palsy. [Poster] *Annual conference meeting APTA*. Boston, USA. June 2010.

- **Almasri N**, Palisano R, Dunst C, Chiarello L, O’Neil M, Polansky M: Determinants of Family Needs of Parents of Children and Youth with Cerebral Palsy. [Poster] *American Physical Therapy Associations Combined Section Meeting (APTA, CSM)*. San Diego, CA. February 2010.

2009

- **Almasri N**, Palisano R, Dunst C, Chiarello L, O’Neil M, Polansky M: Determinants of Needs of Families of Children and Youth with Cerebral Palsy. [Poster and Oral Presentation]. *American Congress of Rehabilitation Medicine Annual Meeting (ACRM)*. Denver, CO. October 2009.
- **Almasri N**, Palisano, R, Chiarello L, Orlin M, Maggs J Polansky M: Family Needs for Children and Youth with Cerebral Palsy: effects of age and gross motor function [Poster]. *Research Day Drexel University*. Philadelphia, PA. April 2009.
- **Almasri N**, Palisano, R, Chiarello L, Orlin M, Maggs J Polansky M: Family Needs for Children and Youth with Cerebral Palsy: effects of age and gross motor function [Platform]. *American Physical Therapy Associations Combined Section Meeting (APTA, CSM)*. Las Vegas, NV. February 2009.

2008

- **Almasri N**, Palisano R: Expressed Family Needs for Children and Youth with Cerebral Palsy. [Poster]. *Ontario Association of Children’s Rehabilitation Services Conference (OACRS)*. Waterloo, Ontario, Canada. October 2008.
- **Almasri N**, Chiarello L, Palisano R., Orlin M., Maggs J.: Coping in Young Children with Cerebral Palsy. [Poster] *Research Day Drexel University*. Philadelphia, PA. April 2008.

IX. Educational Sessions and Workshops

- **Health economics and physiotherapy: applying concepts of global price elasticity**. M landry, N Almasri, S Dieye, M Locke, J Capo-Chichi. *World Physiotherapy Congress 2021*. Online. (presenter)
- **“Reflection on a journey of a female researcher in Jordan: a personal perspective”**. *Invited speaker to WINGS session, Lund, Sweden. 2017.*
- **The Gross Motor Function Measure and Classification System for children with cerebral palsy**. *Handicap International Organization*. Ramallah- Palestine. March 2012. (instructor)
- **Global perspectives on decision-making, measurement, and participation of children with disabilities**. 16th *International Conference of the World Confederation of Physical Therapy*. Amsterdam, Netherlands. June 2011. (presenter)

X. Research Support & funding

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| • Jordan University of Science and Technology (JUST) | Almasri (Co-PI) | 2019-2021 |
| The therapeutic effect of transcranial direct current stimulation combined with Treadmill Training in children with cerebral palsy | | |
| • Deanship of Academic Research (DAR) | Almasri (Co-PI) | 2019-2021 |
| Development and validation of Arabic battery of outcome measures in pediatric cochlear implant recipients | | |

- Deanship of Academic Research (DAR) Almasri (PI) 2017-2019
Implementation of a national registry for children and youth with cerebral palsy in Jordan (CPUP- Jordan)
- Scientific Research Support Fund, Amman, Jordan Almasri (PI) 2013-2016
A population-based health register program for children with Cerebral Palsy CPUP- Jordan
- Scientific Research Support Fund, Amman, Jordan Almasri (Co-PI) 2015-2017
Therapeutic Effects Of Transcranial Direct Current Stimulation Use in Children with Autism Spectrum disorder
- Deanship of Academic Research (DAR) Almasri (Co-PI) 2015-2016
Patients agenda during visits to family medicine clinics
- Loreal- UNISCO Pan Arab Fellowship Almasri (PI) 2013-2015
Participation of children with cerebral palsy in Jordan
- Deanship of Academic Research (DAR) Almasri (Co-PI) 2010-2013
A population-based study of medical services provided for children and youth with cerebral palsy in Jordan