

# SAMAH ABURAHMA

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## Professional Summary

Associate professor of pediatric neurology at Jordan University of Science and Technology, and consultant of pediatric neurology and neuromuscular medicine at King Abdullah University Hospital, with more than 15 year experience in academic and clinical settings

## Certifications

American Board of Electrodiagnostic Medicine

- 2018-present

American Board of Neuromuscular Medicine

- 2018-present

American Board of Psychiatry and Neurology with Special Qualification in Child Neurology

- Certified 2003
- Recertified 2013-present

Jordan Medical Board of Pediatric Neurology.

- 2005-present

## Licensure

Unrestricted medical license, Colorado state, active

Jordanian medical license, active

## Appointments

Associate professor, neuroscience department, faculty of medicine, Jordan University of Science and Technology

2011 - present

Assistant professor, neuroscience department, faculty of medicine, Jordan University of Science and Technology

2005-2011

Full time lecturer, neuroscience department, faculty of medicine, Jordan University of Science and Technology

2002-2005

## Education and Training

Neuromuscular Medicine Fellowship , 07/2018

**University of Colorado School of Medicine** - Colorado, USA

Neuromuscular Medicine Fellowship

Electrodiagnostic Medicine Fellowship

Neuromuscular pathology accredited training

Pediatric Neurology Residency, 2002

**University of Arkansas for Medical Sciences/Arkansas Children's Hospital** - Little Rock, Arkansas

July 1997-June 1998 Internal Medicine Transitional Year  
July 1998-June 1999 Adult Neurology Residency  
July 1999-June 2000 Pediatrics Internship  
July 2000-June 2002 Pediatric Neurology Residency

Clinical Clerkship, 1996

**Princess Basma Teaching Hospital** - Irbid

August 1995-July 1996

College of Medicine, 1995

**Jordan University of Science and Technology** - Irbid

September 1989 to July 1995

## **Clinical and Academic Development**

- Complex Situations in Childhood Spasticity; The Optimal Strategy. Hospital La Paz. Madrid, Spain. 12/15 - 12/16, 2019
- Neuromuscular Ultrasound-Hands on Live Workshop. Wake Forest School of Medicine, North Carolina, USA. 6/14 - 6/15, 2018
- Ohio State University Myology Training Course. Nationwide Children's Hospital, Ohio State University, USA. 9/1 - 9/4, 2017
- Scientific Research Principles. Academic Development Quality Assurance Center. Jordan University of Science and Technology. Jordan. 12/12 - 12/13, 2018
- Problem-Based Learning. Academic Development Quality Assurance Center. Jordan University of Science and Technology. Jordan. 8/8 - 8/9, 2018
- Statistical Analysis in Scientific Research. Academic Development Quality Assurance Center. Jordan University of Science and Technology. Jordan. 2013

## **Memberships**

American Academy of Neurology. Active member

Jordan Neurological Society. Active member

European Pediatric Neurology Society. Active member

## **Skills**

- Electroencephalography interpretation
- Electromyography interpretation
- Electrophysiological studies: nerve conduction studies and electromyography
- Muscle biopsy
- Neuromuscular pathology
- Botulinum toxin injections
- Neuromuscular ultrasound

## **Academic Activities**

Neuroscience 1, Neuroscience 2 modules co-coordinator  
2011-present

Teaching courses at Jordan University of Science and Technology, Irbid, Jordan

2002-present :

- 4th year pediatrics course
- 6th year pediatrics course
- Postgraduate pediatrics residency program, pediatric neurology, years 1-4
- Physical therapy neurology module
- 3rd year basic neuroscience modules

Teaching courses as part time lecturer at Jordan University, Amman, Jordan

2019-present :

- 5th year pediatrics course
- 6th year pediatrics course
- Pediatric neurology fellowship program

## Committee Assignments and Administrative Services

Jordan University of Science and Technology faculty research committee, member

2015-present

King Abdullah University Hospital commission on assault and abuse reporting policies, chairwoman

2018-present

National Committee for Vagus Nerve Stimulator implantation policies

2008-2016

Jordan University of Science and Technology student affairs committee, member

2007-2017

## Professional Meetings / Scientific Presentations

- **Samah K Aburahma.** Barriers and enablers to genetic testing for neuromuscular disease. 2021 American Association of Neuromuscular and Electrodiagnostic Medicine meeting. Aurora, Denver. Oct, 2021
- Asma Mhanna, Hebah Al Absi, **Samah Aburahma.** Efficacy of Modified Atkins Diet versus Ketogenic Diet Among Children with Drug-Resistant Epilepsy: A Systematic Review and Meta-Analysis. American Academy of Pediatrics National Conference. Philadelphia, USA. Oct 2021
- **Samah K Aburahma,** Matthew Wicklund, Dianna Quan. Take two: utility of the repeat muscle biopsy. 2018 American Association of Neuromuscular and Electrodiagnostic Medicine meeting. Washington D.C. USA. Oct 2018.

*"winner of the fellowship abstract award"*

- **Samah K Aburahma,** Matthew Wicklund. Bilateral forearm atrophy in a 54-year-old man. 2018 Carrell-Krusen Neuromuscular Symposium. Dallas, TX, USA. Feb 2018
- **S Aburahma,** H Hammouri, Omar Jbara, Ethar Hazaimh, Mahmoud Bashtawi, Miral Al Momani. The Presence of Autism, Maladaptive Behaviors, and Cognitive Deficits among Children with Epilepsy. 14th International Child Neurology Congress. Amsterdam, Netherlands. 2016
- **S. Aburahma,** S Sharqawi. Intravenous methylprednisolone for the treatment of infantile

## Publications

1. **Aburahma SK**, Hammouri HM, Hazaimah E, Jbarah O, et al. Social impairment in children with epilepsy assessed by the social responsiveness scale. *Clinical Child Psychology and Psychiatry*. Accepted for publication, Jun 25th, 2021
2. **Aburahma SK**, Mhanna A, Al-Mousa S, et al. Dental health status and hygiene in children with cerebral palsy: A matched case-control study. *Int J Paed Dent*. May 2021. doi.org/10.1111/ipd.1279
3. **Aburahma SK**, Wicklund MP, and Quan D. Take Two: Utility of The Repeat Skeletal Muscle Biopsy. *Muscle Nerve* 60 (1); 2019. DOI: 10.1002/mus.26484
4. **Aburahma SK**, Wicklund MP. Limb Girdle Muscular Dystrophies. In book: Reference Module in Neuroscience and Biobehavioral Psychology. January, 2018. DOI: 10.1016/B978-0-12-809324-5.23380-4
5. Asem M. Alkhateeba, Wesal Habbab, **Samah K. Aburahma**, I. Richard Thompson. PTBP1: A candidate gene for intellectual disability. *Meta Gene* 13 (2017) 57–62
6. Al Omari AI, Alzoubi F, Alsalem MM, **Aburahma SK**, Mardini DT, Castellanos PF. The vagal nerve stimulation outcome, and laryngeal effect: Otolaryngologists roles and perspectives. *Am J Otolaryngol*. 2017 Apr 4. doi: 10.1016/j.amjoto.2017.03.011
7. Alkhateeb AM, Aburahma SK, Habbab W, Thompson RI. Novel mutations in WWOX, RARS2, and C10orf2 genes in consanguineous Arab families with intellectual disability. *Metab Brain Dis*. DOI 10.1007/s11011-016-9827-9, online April 28th, 2016
8. **Aburahma SK**, Alzoubi FQ, Hammouri HM, Masri A. Vagus nerve stimulation therapy in a developing country: a long term follow up study and cost utility analysis. *Seizure*. 2015 Feb;25:167-72
9. **Aburahma S**, Khassawneh M, Griebel M, Sharp G, Gibson J. Pitfalls in measuring cerebrospinal fluid glycine levels in infants with encephalopathy. *J Child Neurol*. 2011 Jun;26(6):703-6
10. **Aburahma S**, Khader Y, Alzoubi K, Sawalha N. Complementary and alternative medicine use in a pediatric neurology clinic. *Complement Ther Clin Pract*. 2010 Aug;16(3):117-20.
11. El-Salem K, **Aburahma S**, Rawashdeh M. Peripheral nerve dysfunction in patients with cystic fibrosis. *J Clin Neurophysiol*. 2010 Jun;27(3):216-8.
12. **Aburahma S**, Anabtawi A, Al Rimawi H, Elheis M, Mohtaseb A. Idiopathic hypertrophic pachymeningitis in a child with hydrocephalus. *Pediatr Neurol* 2009; 49: 457-460
13. **Aburahma S**, Al-Khateeb T, Alrefai A, Amarin Z. Botulinum toxin A injections for the treatment of Schwartz-Jampel syndrome: a case series. *J Child Neurol* 2009; 24; 5-8

## References

- Mathew Wicklund, MD. Professor of Neurology. University of Colorado School of Medicine. matthew.wicklund@cuanschutz.edu
- Emily De Los Reyes, MD. Professor of Pediatric Neurology. Nationwide Children's, Ohio State University. emily.delosreyes@nationwidechildrens.org
- Mahmoud Shyab, MD. President, Jordan University of Science and Technology. PO Box 3030, Irbid 22110, Jordan. mytsheyab@gmail.com
- Sami I. Harik, M.D., Professor of Neurology (Former Chairman), University of Arkansas for

Medical Sciences. *siharik@gmail.com*

- Gregory Sharp, MD. Professor of Pediatric Neurology (Department chief). Arkansas Children's Hospital. *SharpGregoryB@uams.edu*
- Stacy Rudnicki, Cytokinetics, Formerly Professor of Neurology, Dept of Neurology, University of Arkansas for Medical Sciences. *rudnickistacya@gmail.com*