ELENI ZAMBA PAPANICOLAOU

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CURRENT APPOINTMENT & ACTIVITIES

Senior Neurologist and Head of the Electromyography Laboratory (Neurology Clinic D) at the Cyprus Institute of Neurology & Genetics (Nicosia, Cyprus) participating in the Outpatients' Clinic Program, the Neurology Ward, Botulin Toxin Clinic and the EMG Laboratory. Involved in various research projects on neurogenetic diseases, including Charcot-Marie-Tooth polyneuropathies, familial infantile myasthenia, distal spinal muscular atrophy and autosomal recessive spinocerebellar ataxias.

EDUCATION

DOCTOR OF MEDICINE, M.D. — 1984-1991
Medical School, Ioannina University, GREECE

INTERNAL MEDICINE RESIDENCY — APR 1992 - NOV 1992
Department of Internal Medicine
Vostaneion General Hospital, Mytilini, GREECE

PSYCHIATRY RESIDENCY — DEC 1992 - JUN 1993
Department of Psychiatry
Mental Diseases Hospital, Dromokaiteion, Athens, GREECE

NEUROLOGY RESIDENCY — JUL 1993 - JUL 1996
Eginition Hospital & Evangelismos Hospital
Department of Neurology
National University of Athens, Athens, GREECE

NEUROMUSCULAR RESEARCH FELLOW — JAN 1996 - JAN 1997
Cyprus Institute of Neurology and Genetics, Nicosia, CYPRUS

PHD CANDIDATE — APR 1999 - PRESENT
Medical School, University of Thrace, Alexandroupolis, GREECE
Thesis: CMT disease in the Cypriot and Thrace populations

COURSES

NEUROPHYSIOLOGY: HEREDITARY POLYNEUROPATHIES — JUN 1997 - SEP 1997
Clinical EMG Laboratory
Department of Neurology
College of Physicians and Surgeons of Columbia University, New York, USA

SINGLE FIBRE EMG — APR 1999 - MAY 1999
Clinical EMG Laboratory
Duke Medical Centre, Duke University, Durham, North Carolina, USA

CLINICAL ELECTROMYOGRAPHY — MAY 1999 - JUL 1999
Neurophysiology Department
New England Medical Centre, Tufts University, Boston, Massachusetts, USA

BOTULIN TOXIN CLINIC — NOV 2000
Neurophysiology Department
Ljubljana University Medical School, SLOVENIA

L I C E N S E S & B O A R D E X A M S

MEDICAL LICENSURE — APR 1992
Unrestricted in GREECE

STATE BOARD EXAMINATION IN NEUROLOGY — SEP 1996
GREECE

S C H O L A R S H I P S

CHARCOT-MARIE-TOOTH ASSOCIATION POSTGRADUATE FELLOWSHIP — JUN 1997 - SEP 1997
Neurophysiological investigation of CMT disease
College of Physicians & Surgeons of Columbia University, New York, USA

CYPRUS-AMERICAN SCHOLARSHIP PROJECT (CASP) — APR 1999 - MAY 1999
Short-term training scholarship: Single Fibre EMG Course
Clinical EMG laboratory, Duke Medical Centre
Duke University, Durham, North Carolina, USA

CYPRUS-AMERICAN SCHOLARSHIP PROJECT (CASP) — May 1999 - Jul 1999
Short-term training scholarship: Clinical Electromyography
Neurophysiology Department, New England Medical Centre
Tufts University, Boston, Massachusetts, USA

SOCIETY MEMBERSHIPS

Medical Association of Athens, Greece
Greek Neurological Association
Medical Association of Cyprus
Cyprus Neurological Association
Mediterranean Society of Myology
Cyprus Society of Human Genetics

CURRENT GRANTS

1. Association Française contre les Myopathies (FRANCE) on "Identification of a novel axonal type Charcot-Marie-Tooth disease gene", Support period: April 2009 to March 2011, Total grant: EUR30,000

2. Research Promotion Foundation (CYPRUS) on "Clinical and Genetic Investigation of SCA Cypriot families", Support period: February 2009 to January 2011, Total grant: EUR120,054

3. Research Promotion Foundation (CYPRUS) on "Atypical FSHD from Cyprus and Slovenia", Support period: April 2008 to March 2010, Total grant: CYP16,428

4. Research Promotion Foundation (CYPRUS) on "Quantitative analysis of SMN genes based on the MLPA technique. A study of spinal muscular atrophy patients from Cyprus and Romania" Support period: March 2008 to February 2010, Total grant: EUR20,082

PREVIOUS GRANTS

1. Muscular Dystrophy Association (USA) on "Neuromuscular diseases in eastern Mediterranean countries", Co-investigator, Support period: February 1st 1997 to June 30th 1999, Total grant: USD 158,000

2. Muscular Dystrophy Association (USA) on "Genetic studies in autosomal recessive hereditary motor neuronopathy and autosomal recessive inclusion body myopathy", Co-investigator, Support period: July 1st 1999 to June 30th 2002, Total grant: USD 180,000

3. Muscular Dystrophy Association (USA) on "Investigating the role of molecular motors in ALS pathogenesis", Co-investigator, Support period: January 1st 2000 to December 31st 2000, Total grant: USD 65,000

4. Muscular Dystrophy Association (USA) on "Neuromuscular diseases in eastern Mediterranean countries", Co-investigator, Support period: July 1st 1999 to June 30th 2002, Total grant: USD 135,000

5. United Nations Office for Project Services (UNOPS) on "Friedreich's ataxia carrier screening in the population originating from the Paphos district of Cyprus", Co-investigator, Support period: April 1st 2001 to September 30th 2002, Total grant: CYP 58,452

6. Muscular Dystrophy Association (USA), Neuromuscular diseases in Eastern Mediterranean countries, Co-investigator, Support period: July 1st 2002 to June 30th 2005, Total grant: USD 192,180.00

7. Research Promotion Foundation (CYPRUS), Pancyprian study of amyloid neuropathy, Co-investigator, Support period: December 16th 2002 to June 15th 2005, Total grant: CYP 49,700.00

8. Telethon (CYPRUS) on "Expression studies in hereditary motor neuronopathy type Jerash", Co-investigator, Support period: January 2007 to June 2009, Total grant: CYP30,000

P U B L I C A T I O N S

1. L T Middleton, K Christodoulou, F Deymeer, P Serdaroglu, C Ozdemir, A Al-Qudah, A Al-Shehab, I Mavromatis, I Mylonas, A Evoli, M Tsingis, E Zamba, K Kyriallis (1998), Congenital Myasthenic Syndrome (CMS) Type 1a Clinical and Genetic Diversity. Annals New York Academy of Sciences, Vol 841, 157-166

2. Middleton LT, Pantzaris M, Zamba E, Kyriallis K, Christodoulou K. Inherited Myasthenic Syndromes. Acta Myologica. 1998 Dec Vol. II: 47-53

3. Kyriakides T, Christodoulou K, Zamba E, Middleton L. Hereditary motor neuronopathies, clinical, neurophysiological and genetic aspects. Acta Myologica. 1998 Dec Vol. II: 55-58

4. Middleton L, Ohno K, Christodoulou K, Brengman J, Milone M, Neocleous V, Serdaroglu P, Deymeer F, Ozdemir C, Mubaidin A, Horany K, Al-Shehab A, Mavromatis I, Mylonas I, Tsingis M, Zamba E, Pantzaris M, Kyriallis K, Engel AG. Chromosome 17p-linked myasthenias stem from defects in the acetylcholine receptor epsilon-subunit gene. Neurology. 1999 Sep 22;53(5):1076-82

5. Middleton LT, Christodoulou K, Mubaidin A, Zamba E, Tsingis M, Kyriacou K, Abu-Sheikh S, Kyriakides T, Neocleous V, Georgiou DM, el-Khateeb M, al-Qudah A, Horany K. Distal hereditary motor neuronopathy of the Jerash type. Ann N Y Acad Sci. 1999 Sep 14;883:65-8

6. Zamba E, Christodoulou K, Al-Shehab A, Mubaidin A, Neocleous V, Tsingis M, Abu-Sheik S, Middleton L, Horany K, Al-Qudah AK. Clinical and genetic heterogeneity in autosomal recessive CMS Jordanian families. Acta Myologica 2000 April Vol. XIX: 37-40

7. Christodoulou K, Neocleous V, Tsingis M, Pantzaris M, Kyriallis K, Zamba E, Bairactaris C, Mavrommatis I, Middleton L, Mylonas I. Autosomal recessive congenital myasthenic syndrome in three Greek-Gypsy families. Acta Myologica 2000 April Vol. XIX: 41-43

8. Christodoulou K, Zamba E, Tsingis M, Mubaidin A, Horani K, Abu-Sheik S, El-Khateeb M, Kyriacou K, Kyriakides T, Al-Qudah AK, Middleton LT (2000) A novel form of distal hereditary motor neuronopathy (HMN-J) maps to chromosome 9p21.1-p12. Ann Neurol 48(6): 877-884

9. Papathanasiou ES, Zamba E, Papacostas SS. Radial nerve F-waves: normative values with surface recording from the extensor indicis muscle. Clin Neurophysiology 2001 Jan; 112(1): 145-52

10. Christodoulou K, Deymeer F, Serdaroglu P, Ozdemir C, Poda M, Georgiou DM, Ioannou P, Tsingis M, Zamba E, Middleton LT. Mapping of the second Friedreich's ataxia (FRDA2) locus to chromosome 9p23-p11: evidence for further locus heterogeneity. Neurogenetics 2001, 3:127-132

11. Georgiou DM, Jedrzejowska H, Ryniewicz B, Hausmanowa-Petrucewicz I, Zamba E, Kyriakides T, Christodoulou K, Middleton LT. Molecular genetic studies in axonal AR-CMT. ACTA Myologica 2001 May; Vol. XX: 35-38

12. Zamba E, Christodoulou K, Al-Qudah AK, Horani K, Kyriakides T, Middleton LT, Mubaidin A. Autosomal recessive distal hereditary motor neuropathies. ACTA Myologica 2001 May; Vol. XX: 53-56

13. Zamba-Papanicolaou E, Christodoulou K, Christodoulou C, Kyriakides T, Middleton LT. Hereditary Motor Neuronopathies. Rev Neurol (Paris). 2002 Dec;158(121):1220-1224

14. Kleopa KA, Zamba-Papanicolaou E, Kyriakides T. Compressive lumbar myelopathy presenting a segmental motor neuron disease. Muscle Nerve. 2003 Jul;28(1):69-73

15. Papathanasiou E, Zamba-Papanicolaou E, Pantzaris M, Kyriakides T, Papacostas S. Myrianthopoulou P, Pattichis C, Iliopoulos I, Piperidou C. Click evoked neurogenic vestibular potentials (NVESTEPs): a method of assessing the function of the vestibular system. Electromyogr Clin Neurophysiol. 2003 Oct-Nov;43(7):399-408

16. Papathanasiou ES, Zamba-Papanicolaou E, Pantzaris M, Kleopas K, Kyriakides T, Papacostas S, Pattichis C, Iliopoulos I, Piperidou C. Neurogenic vestibular evoked potentials using a tone pip auditory stimulus. Electromyogr Clin Neurophysiol. 2004 Apr-May; 44(3): 167-73

17. Papathanasiou ES, Pantzaris M, Zamba-Papanicolaou E, Kyriakides T, KA, Iliopoulos I, Piperidou C, Papacostas S. Neurogenic vestibular evoked potentials in the diagnosis of multiple sclerosis. Electromyogr Clin Neurophysiol. 2004 Jul-Aug; 44(5): 313-7

18. Kleopa KA, Kyriacou K, Zamba-Papanicolaou E, Kyriakides T. Reversible inflammatory and vacuolar myopathy with vitamin E deficiency in celiac disease. Muscle Nerve. 2004 Aug 18: [Epub ahead of print]

19. Sivakumar K, Kyriakides T, Puls I, Nicholson GA, Funalot B, Antonellis A, Ellsworth RE, Sambuughin N, Christodoulou K, Beggs JL, Zamba-Papanicolaou E, Ionasescu V, Dalakas MC, Green ED, Fischbeck KH, Goldfarb LG. Phenotypic spectrum of disorders associated with glycyl-tRNA synthetase mutations. Brain. 2005 Oct; 128(Pt 10): 2304-14. Epub 2005 Jul 13

20. Kleopa K, Zamba-Papanicolaou E, Nicolaou P, Georgiou DM, Kyriakides T, Christodoulou K. Phenotypic and cellular expression of two novel Connexin32 mutations causing CMTX, Neurology 2006 66: 396-402

21. Paschalis Nicolaou, Anthi Georghiou, Christina Votsi, Lefkos T Middleton, Eleni Zamba-Papanicolaou and Kyproula Christodoulou. A novel c.5308_5311delGAGA mutation in Senataxin in a Cypriot family with an autosomal recessive cerebellar ataxia. BMC Medical Genetics 2008, 9**:**28; doi:10.1186/1471-2350-9-28

23. Papathanasiou ES, Zamba-Papanicolaou E. Differential orbicularis oculi involvement in neuromuscular junction dysfunction. J Clin Neurophysiol. 2008 Oct;25(5):293-8

22. Dardiotis E., Koutsou P., Papanicolaou E., Vonta I., Kladi D., VassilopoulosD., Hadjigeorgiou G., Christodoulou K., Kyriakides T., Epidemiological, clinical and genetic study of Familial Amyloidotic Polyneuropathy in Cyprus. Amyloid. 2009 Mar;16(1):32-7

23. Dardiotis E, Koutsou P, Zamba-Papanicolaou E, Vonta I, Hadjivassiliou M, Hadjigeorgiou G, Cariolou M, Christodoulou K**,** Kyriakides T. Complement C1Q polymorphisms modulate onset in familial amyloidotic polyneuropathy TTR Val30Met. J Neurol Sci. 2009 Sep 15;284 (1-2):158-62