

# Erdem Tüzün - CV



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## I am a Turkish neurologist

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## CURRICULUM VITAE

**NAME:** Erdem Tüzün

**DATE OF BIRTH:** November, 11, 1971 **PLACE OF BIRTH:** Istanbul, TURKEY

**CITIZENSHIP:** Turkish **e-mail:** drerdem@yahoo.com

## EDUCATION:

1982-1989:Kadiköy Anatolian Highschool (Istanbul-TURKEY) (High school)

1989-1995:MEDICAL STUDENT

University of Istanbul, Istanbul Faculty of Medicine  
1995:INTERN STUDENT

University of Istanbul, Istanbul Faculty of Medicine  
(Graduated with an MD degree) 1995-2000:RESIDENT  
IN NEUROLOGY

University of Istanbul, Istanbul Faculty of Medicine  
2000-2001:ACADEMIC VISITOR

Oxford University, Oxford 2001-2002:VISITING  
SCIENTIST

University of Texas Medical Branch (UTMB), Galveston, TX,  
USA

2002-2006:POSTDOCTORAL FELLOW

University of Texas Medical Branch (UTMB), Galveston, TX,  
USA

2006-present SENIOR RESEARCH INVESTIGATOR

University of Pennsylvania, Philadelphia, Pennsylvania, USA.

**FOREIGN LANGUAGE:** English.

## PUBLISHED ARTICLES:

### **Papers published in peer-reviewed or indexed journals:**

1. Kadioglu A, Memisoglu K, Sazova O, Tüzün E. Intracavernosal endothelin levels of impotent men before and after papaverine induced penile erection (English). *Archivos Espanoles de Urologia* 1998, 51(7): 739-740.
2. Tüzün E. Anterior choroidal artery territory infarction: A case report and review (English). *Archives of Medical Research* 1998, 29(1): 83-87.
3. Tüzün E, Hatemi AC, Memisoglu K. Possible role of gangliosides in salivary gland complications of diabetes (English). *Medical Hypotheses* 2000, 54(6): 910-912.
4. Tüzün E, Baykan B, Gürses C, Gökyigit A Longterm follow-up of electroencephalographic and clinical findings of a case with Gaucher's disease type 3a. *Seizure* 2000, 9(7): 469-472.
5. Tüzün E, Öge AE, Ertas M, Boyaciyani A, Dinççag N, Yazici J. F wave parameters and F tacheodispersion in mild diabetic neuropathy. *Electromyography and Clinical Neurophysiology* 2001, 41(5): 273-279.
6. Tüzün E, Gürses C, Baykan B, Büyükbabani N, Öztürk AS, Gökyigit A. Lafora body-like inclusions in a case of progressive myoclonic ataxia associated with coeliac disease. *European Neurology* 2001, 46(3):

157-158.

7. Tüzün E, Akman-Demir G, Eraksoy M. Paroxysmal attacks in multiple sclerosis. *Multiple*

*Sclerosis* 2001, 7(6): 402-404.

- 8.** Buckley C, Oger J, Clover L, Tüzün E, Carpenter K, Jackson M, Vincent A. Potassium channel antibodies in two patients with reversible limbic encephalitis. *Annals of Neurology* 2001, 50(1): 73- 78.
- 9.** Deng C, Goluszko E, Tüzün E, Yang H, Christadoss P. Resistance to experimental autoimmune myasthenia gravis in IL-6-deficient mice is associated with reduced germinal center formation and C3 production. *The Journal of Immunology* 2002, 169(2): 1077-1083.
- 10.** Poussin MA, Tüzün E, Goluszko E, Scott BG, Yang H, Franco JU, Christadoss P. B7-1 costimulatory molecule is critical for the development of experimental autoimmune myasthenia gravis. *The Journal of Immunology* 2003, 170(8): 4389-4396.
- 11.** Tüzün E, Scott BG, Goluszko E, Higgs S, Christadoss P. Genetic evidence for involvement of classical complement pathway in induction of experimental autoimmune myasthenia gravis. *The Journal of Immunology* 2003, 171(7): 3847-3854.
- 12.** Newsom-Davis J, Buckley C, Clover L, Hart I, Maddison P, Tüzün E, Vincent A. Autoimmune disorders of neuronal potassium channels. *Annals of the New York Academy of Sciences* 2003, 998: 202-210.
- 13.** Tüzün E, Scott BG, Yang H, Wu B, Goluszko E, Guigneaux M, Higgs S, Christadoss P. Circulating immune complexes augment severity of antibody mediated myasthenia gravis in hypogammaglobulinemic RIIIS/J mice. *The Journal of Immunology*, 2004, 172(9): 5743-5752.
- 14.** Scott BG, Yang H, Tüzün E, Dong C, Flavell RA, Christadoss P. ICOS is essential for the development of experimental autoimmune myasthenia gravis. *Journal of Neuroimmunology*, 2004, 153(1-2): 16-25.
- 15.** Rowin J, Meriggioli MN, Tüzün E, Leurgans S, Christadoss P. Etanercept treatment in corticosteroid-dependent myasthenia gravis. *Neurology*, 2004, 63(12): 2390-2392.
- 16.** Tüzün E, Meriggioli MN, Rowin J, Yang H, Christadoss P. Myasthenia gravis patients with low plasma IL-6 and IFN-gamma benefit from etanercept treatment. *Journal of Autoimmunity*, 2004, 24(3): 261-268.
- 17.** Yang H, Tüzün E, Alagappan D, Yu X, Scott BG, Ischenko A, Christadoss P. IL-1 receptor antagonist-mediated therapeutic effect in murine myasthenia gravis is associated with suppressed serum pro-inflammatory cytokines, C3, and anti-acetylcholine receptor IgG1. *The Journal of Immunology*, 2005, 175(3): 2018-2025.
- 18.** Saini SS, Tüzün E, Christadoss P. The cDNA of mouse skeletal muscle transcribe for both isoforms 1 and 2 of acetylcholine receptor alpha subunit. *Journal of Neuroimmunology*, 2005, 169(1-2): 177-179.
- 19.** Tüzün E, Saini SS, Ghosh S, Rowin J, Meriggioli MN, Christadoss P. Predictive value of serum anti-C1q antibody levels in experimental autoimmune myasthenia gravis. *Neuromuscular Disorders*, 2006, 16(2): 137-143.
- 20.** Tüzün E, Saini SS, Yang H, Alagappan D, Higgs S, Christadoss P. Genetic evidence for the involvement of Fcγ receptor III in experimental autoimmune myasthenia gravis pathogenesis. *Journal of Neuroimmunology*, 2006, 174(1-2): 157-167.
- 21.** Tüzün E. Neuronal acetylcholine receptor alpha9-subunit: A possible central nervous system autoantigen. *Medical Hypotheses*, 2006, 67(3): 561-565.
- 22.** Aydın-Ozemir Z, Tüzün E, Baykan B, Akman-Demir G, Ozbey N, Gurses C, Christadoss P, Gokyigit A. Autoimmune thyroid encephalopathy presenting with epilepsy partialis continua. *Clinical EEG and Neuroscience*, 2006, 37(3): 204-209.
- 23.** Tüzün E, Li J, Wanasen N, Soong L, Christadoss P. Immunization of mice with T-cell dependent antigens promotes IL-6 and TNF- $\alpha$  production in muscle cells. *Cytokine*, 2006, 35(1-2): 100-106.
- 24.** Tüzün E, Saini SS, Morgan BP, Christadoss P. Complement regulator CD59 deficiency fails to augment susceptibility to actively induced experimental autoimmune myasthenia gravis. *Journal of Neuroimmunology*, 2006, 181(1-2): 29-33.
- 25.** Tüzün E, Li J, Saini SS, Yang H, Christadoss P. Pros and cons of treating murine myasthenia gravis with anti-C1q antibody. *Journal of Neuroimmunology*, 2007, 182(1-2): 167-176.
- 26.** Dalmau J, Tüzün E, Wu HY, Masjuan J, Rossi JE, Voloschin A, Baehring JM, Shimazaki H, Koide R, King D, Mason W, Sansing LH, Dichter MA, Rosenfeld MR, Lynch DR. Paraneoplastic anti-N-methyl-D-aspartate receptor encephalitis associated with ovarian teratoma. *Annals of Neurology*, 2007, 61(1): 25-36.
- 27.** Sansing LH, Tüzün E, Ko MW, Baccon J, Lynch DR, Dalmau J. A patient with encephalitis associated with NMDA receptor antibodies. *Nat Clin Pract Neurol*, 2007, 3(5): 291-296.
- 28.** Tüzün E, Rossi JE, Karner SF, Centurion AF, Dalmau J. Adenylate kinase 5 autoimmunity in treatment refractory limbic encephalitis. *Journal of Neuroimmunology*, 2007, 186(1-2): 177-180.

### **Papers published in non-peer-reviewed or non-indexed journals:**

29. Babacan S, Kadioglu A, Tüzün E, Dogruer K, Erdogru T, Memisoglu K, Tellaloglu S. Treatment of congenital SST deformity with a new technique (Turkish). *Turk Uroloji Dergisi* 1994, 20(4): 451- 455.
30. Tüzün E, Hatemi AC, Memisoglu K, Sazova O. Serum sialic acid levels are not altered in streptozotocin (STZ) induced diabetic rats (English). *Turkish Journal of Medical Sciences* 1997, 27: 531-533.
31. Tüzün E. Impotence due to reduced central nitric oxide synthase activity in hypogonadal males (News and Comments) (English). *Archives of Medical Research* 1997, 28(3): 431.
32. Tüzün E, Krespi Y, Tuncay R, Çoban O, Bahar S. A case of intracranial granulocytic sarcoma (chloroma) (Turkish). *Nöropsikiyatri Arsivi* 1999, 36(1): 16-20.
33. Tüzün E, Hanagasi HA, Kaptanoglu G, Gürvit IH. Amyotrophic lateral sclerosis and frontal lobe dementia (Turkish). *Turk Noroloji Dergisi* 2000, 1(1): 67-74.
34. Tüzün E. Out cold (Letters) (English). ([www.newscientist.com/letters/letters.jsp?id=ns22595](http://www.newscientist.com/letters/letters.jsp?id=ns22595)) *NewScientist* 07 October 2000.
35. Tüzün E. Morvan's syndrome: New insights into the mechanisms of thalamic insomnia (English). ([www.med.ege.edu.tr/~norobil/2001/NBD14801.html](http://www.med.ege.edu.tr/~norobil/2001/NBD14801.html)) *Journal of Neurological Sciences (Turkish)* 2001, 18(1).
36. Tüzün E, Kiyat-Atamer A, Özdemir Ö, Gürvit IH. Clinical and laboratory features of cases with isolated acute behavioral changes (Turkish). *Nöropsikiyatri Arsivi* 2001, 38(4): 223-227.
37. Tüzün E, Christadoss P. Unraveling myasthenia gravis immunopathogenesis using animal models (English). *Drug Discovery Today: Disease Models* 2006, 3(1): 15-20.

### **THESIS:**

Application of F tacheodispersion method in diabetes mellitus patients with subclinical neuropathy. Istanbul 2000.

### **PATENT APPLICATION :**

Treating autoimmune diseases by inhibiting classical complement pathway activation. U.S. Provisional Patent Application Serial No. 60/502,086, filed September 11, 2003.

### **BOOK CHAPTERS:**

1. Tüzün E. Bolum 19. Beta-amiloid prekursor proteininin biyolojisi ve Alzheimer hastaliginin mekanizmasi from Alzheimer Hastaligi, Yelkovan Yayıncılık, 2001: pages 293-310 (translated from Alzheimer Disease, 2nd edition, Lippincott Williams & Wilkins, 1999).
2. Tüzün E. Bolum 21. Presenilinlerin islevleri ve islev bozukluklari from Alzheimer Hastaligi, Yelkovan Yayıncılık, 2001: pages 327-337 (translated from Alzheimer Disease, 2nd edition, Lippincott Williams & Wilkins, 1999).
3. Tüzün E. Bolum 10. Yaslanma, Alzheimer Hastaligi ve Demans, Klinik ve Noropatolojik Bakis Acilari, Yelkovan Yayıncılık, 2004: pages 439-522, 550 (translated from Principles of Behavioral and Cognitive Neurology, 2nd edition, Oxford University Press, 2000).
4. Tüzün E, Christadoss P. Complement associated pathogenic mechanisms in myasthenia gravis. *Neuroimmunology Research Perspectives* (ed: Johansson LM), in press.

### **GRANTS AWARDED:**

1. University of Istanbul Research Fund (1997). Ganglioside levels in submaxillary and parotid glands of STZ-induced diabetic rats (Co-author). Project was completed in May 1998.
2. University of Istanbul Research Fund (1997). F-wave parameters in detection of mild diabetic neuropathies. Project was completed in 1999.
3. Organization of Brain Researchs (1999). Involvement of antibodies to ion channels in central nervous system disorders. Project was completed in 2000.
4. ENS Fellowship Stipends (2000). Involvement of antibodies to ion channels in central nervous system disorders. Project was completed in 2000.
5. Myasthenia Gravis Foundation of America (2002-2004). Role of the classical complement pathway in experimental autoimmune myasthenia gravis. Project was completed in 2004.
6. Muscular Dystrophy Association Neuromuscular Disease Research Development Grant (2004- 2006). Effector roles of C1q, IL-6 and TNF-alpha in murine myasthenia gravis. Project was completed in 2006.

**AWARDS:**

- 1.** First degree award at Travel and Project Prize of Brain Research Organization, Turkey (1999)
- 2.** Successful Researcher Award of Istanbul Medical Faculty (2001).
- 3.** Successful Researcher Award of Istanbul Medical Faculty (2002).
- 4.** Certificate of Honorable Mention in International Education Week Poster Competition (2003).
- 5.** James W. McLaughlin Postdoctoral Award for Excellence in Research on Infection and Immunity (2004).