



## CURRICULUM VITAE

### Assoc. Prof. Dr. Emre Hamurtekin

**Birth Date and Place** :August 15, 1977 - Eskişehir / TURKEY  
**Marital Status** :Married  
**Foreign Language:** :English  
**Work Address:** :Eastern Mediterranean University,  
Faculty of Pharmacy,  
Famagusta, North Cyprus  
Mersin 10, Turkey

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## EDUCATION

**University** :Uludag University, Faculty of Medicine, Bursa / Turkey,  
Medical Doctor, 2001

**PhD (Specialty)** :Uludag University, Faculty of Medicine  
Department of Pharmacology and Clinical Pharmacology  
Bursa / Turkey  
PhD (specialty) in Pharmacology, 2002-2007

**Ass. Prof. Dr.** :Kafkas University, Faculty of Medicine  
Department of Pharmacology,  
Kars / Turkey 2008-2011

**Assoc. Prof. Dr.** : Eastern Mediterranean University,  
Department of Pharmacology,  
Famagusta, North Cyprus, 2017-current

**Visiting Research Fellow**

University of California, San Diego, Anesthesiology  
Research Laboratories, Dr. Tony L. Yaksh's Lab.,  
San Diego, California, USA  
June 2011 - June 2012, 1 year

Department of Neuroscience, Psychology, Drug Research and  
Child's Health, Section of Pharmacology and Toxicology  
(NEUROFARBA), University of Florence, Italy (Visiting  
Research Fellow; 2015)

**Institution:**

: Eastern Mediterranean University,  
Department of Pharmacology,  
Famagusta, North Cyprus  
2013 - current

**PhD (Specialty) Thesis :**

**“The Analgesic Effect of CDP-Choline and the Mechanisms Involved in the Effect”**

Thesis Advisor: Prof. Dr. Mine Sibel GURUN

**Scientific Interests**

Pain and Analgesia  
Autonomic Nervous System Pharmacology  
Pain and Analgesia in Newborns  
Anesthetic Drugs

**Membered Societies**

1. The Turkish Pharmacology Association (member no: 636)
2. International Association for the Study of Pain - IASP  
(member no: 68028)

**Scholarships**

1. The Turkish Pharmacology Association Servier IUPHAR  
2006-15th World Congress of Pharmacology-  
Attendance Scholarship
2. The Council of Higher Education  
Post-Doctorate Research Scholarship  
(1 year, “Visiting Research Fellow”)  
University of California, San Diego, Anesthesiology,  
Research Lab, Dr. Tony L. Yaksh's Lab.,  
San Diego, California, USA

**Honored Prizes**

*NOVARTIS Pharmacology Research Award, second, 2007.*  
“The antinociceptive effects of centrally administered CDP-  
choline on acute pain models in rats: the involvement of  
cholinergic system”

**International Articles:**

1. Ilcol YO, Ozbek R, **Hamurtekin E**, Ulus IH (2005) Choline status in newborns, infants, children, breast-feeding women, breast-fed infants and human breast milk. *J Nutr Biochem.*, 16(8):489-99.
2. **Hamurtekin E**, Gurun MS (2006) The antinociceptive effects of centrally administered CDP-choline on acute pain models in rats: the involvement of cholinergic system. *Brain Res.*, 1117(1):92-100.

3. **Hamurtekin E**, Bagdas D, Gurun MS (2007) Possible involvement of supraspinal opioid and GABA receptors in CDP-choline-induced antinociception in acute pain models in rats. *Neurosci Lett.*, 420(2):116-21.
4. Cansev M, Yilmaz MS, Ilcol YO, **Hamurtekin E**, Ulus IH (2007) Cardiovascular effects of CDP-choline and its metabolites: involvement of peripheral autonomic nervous system. *Eur J Pharmacol.* Dec 22;577(1-3):129-42.
5. Ilcol YO, Cansev M, Yilmaz MS, **Hamurtekin E**, Ulus IH (2007) Intraperitoneal administration of CDP-choline and its cholinergic and pyrimidinergic metabolites induce hyperglycemia in rats: involvement of the sympathoadrenal system. *Arch Physiol Biochem.* Oct Dec;113(4-5):186-201.
6. Ilcol YO, Cansev M, Yilmaz MS, **Hamurtekin E**, Ulus IH (2008) Peripheral administration of CDP-choline and its cholinergic metabolites increases serum insulin: muscarinic and nicotinic acetylcholine receptors are both involved in their actions. *Neurosci Lett.* Jan 24;431(1):71-6.
7. Cansev M, Ilcol YO, Yilmaz MS, **Hamurtekin E**, Ulus IH (2008) Peripheral administration of CDP-choline, phosphocholine or choline increases plasma adrenaline and noradrenaline concentrations. *Auton Autacoid Pharmacol.* Jan;28(1):41-58
8. Isbil-Buyukcoskun N, Ilcol YO, Cansev M, **Hamurtekin E**, Ozluk K, Ulus IH (2008) Central choline suppresses plasma renin response to graded haemorrhage in rats. *Clin Exp Pharmacol Physiol.*;35(9):1023-31.
9. Cansev M, Ilcol YO, Yilmaz MS, **Hamurtekin E**, Ulus IH (2008) Choline, CDP-choline or phosphocholine increases plasma glucagon in rats: involvement of the peripheral autonomic nervous system. *Eur J Pharmacol* 589 (1-3):315-22
10. Huseyinoglu U, Huseyinoglu N, **Hamurtekin E**, Aygun H, Sulu B (2011) Effect of pregabalin on post-dural-puncture headache following spinal anesthesia and lumbar puncture. *J Clin Neurosci.*; 18(10):1365-8
11. Bagdas D, Sonat FA, **Hamurtekin E**, Sonal S, Gurun MS (2011) The antihyperalgesic effect of cytidine-5'-diphosphate-choline in neuropathic and inflammatory pain models. *Behav Pharmacol.*; 22(5-6):589-98
12. **Hamurtekin E**, Fitzsimmons BL, Shubayev VI, Grafe MR, Deumens R, Yaksh TL, Walker SM (2013) Evaluation of Spinal Toxicity and Long-term Spinal Reflex Function after Intrathecal Levobupivacaine in the Neonatal Rat. *Anesthesiology.* 2013 Jul;119(1):142-155.
13. Nobakht-Haghighi N, Rahimifard M, Baeri M, Rezvanfar MA, Moini Nodeh S, Haghi-Aminjan H, Hamurtekin E, Abdollahi M. Regulation of aging and oxidative stress pathways in aged

- pancreatic islets using alpha-lipoic acid. *Mol Cell Biochem.* 2018 Dec;449(1-2):267-276.
14. Keziban Tilki, Viktoria Jungreithmayr, Gizem Karahasan, Zehra Kelebek, Sonia Sanajou, Leyla B. Pozharani, Yesim Hamurtekin, Emre Hamurtekin. Evaluation of the Annual Sales of Acetylsalicylic Acid, Metamizole and Paracetamol in North Cyprus: Emphasizing the Wide Paracetamol Use. *Journal of Health Science Research.* Volume 4, Issue 1, 2019, <https://doi.org/10.18311/jhsr/0/22338>
  15. Yeşim Hamurtekin, Ammar Nouilati, Cansu Demirbatır, Emre Hamurtekin. The contribution of serotonergic receptors and nitric oxide systems in the analgesic effect of acetaminophen: An overview of the last decade (Review) *Turk J Pharm Sci.* 2020; 17 (1):122-9, DOI: 10.4274/tjps.galenos.2018.35403
  16. Mehranfard D and Hamurtekin E. The Influence of Cholinergic System on Rheumatoid Arthritis (Review). *Open Access Journal of Pharmaceutical Research (OAJPR);* 2019; Volume 3 Issue 1
  17. Barış E , Arici M , Hamurtekin E . The Role of Nicotinic Anti-Inflammatory Pathway in Prostaglandin Mediated Inflammatory Response in Sepsis: A Short Review. *Clinical and Experimental Health Sciences.* 2019; 9(4): 357-350.
  18. Baris, E; Simsek, O; Efe, H; Oncu, S; Gelal, A; Hamurtekin, E; Tosun, M; Ozbal, S; Yuce, Z Arici, MA. Effects of CDP-Choline and Choline on COX Pathway in LPS-Induced Inflammatory Response in Rats. *International Journal of Pharmacology,* Volume: 17 Issue: 2 Pages: 84-96 DOI: 10.3923/ijp.2021.84.96 Published: 2021
  19. E. Hamurtekin, Y. Hamurtekin, R. Matucci, S. Dei, E. Baris and H. Kazdagli. Cholinergic Receptor Binding Profile of *Hypericum perforatum* L. and its Active Constituents. *International Journal of Pharmacology,* Volume 18, Number 7, 1429-1439, 2022