

Accepted Manuscript

Rationalisation of the Irrational Neuropathological Basis of Hypothyroidism-Olfaction Disorders Paradox: Experimental Study

Nazan Aydin, MD, Leyla Ramazanoglu, MD, Mehmet Resid Onen, MD, Ilhan Yilmaz, MD, Mehmet Dumlu Aydin, MD, Prof, Konca Altinkaynak, MD, Muhammet Calik, MD



PII: S1878-8750(17)31281-0

DOI: [10.1016/j.wneu.2017.07.180](https://doi.org/10.1016/j.wneu.2017.07.180)

Reference: WNEU 6243

To appear in: *World Neurosurgery*

Received Date: 16 March 2017

Revised Date: 26 July 2017

Accepted Date: 29 July 2017

Please cite this article as: Aydin N, Ramazanoglu L, Onen MR, Yilmaz I, Aydin MD, Altinkaynak K, Calik M, Rationalisation of the Irrational Neuropathological Basis of Hypothyroidism-Olfaction Disorders Paradox: Experimental Study, *World Neurosurgery* (2017), doi: 10.1016/j.wneu.2017.07.180.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Title: Rationalisation of the Irrational Neuropathological Basis of
Hypothyroidism-Olfaction Disorders Paradox: Experimental Study.**

Authors List

Nazan AYDIN, MD

Department Of Psychiatry, Mazhar Osman Mental Health Disease Hospital,
Bakirkoy-Istanbul/Turkey

Leyla RAMAZANOGLU, MD

Clinic of Neurology, Health Science University, FSM Research and Training
Hospital, Istanbul/Turkey

Mehmet Resid ONEN, MD

Department of Neurosurgery, Health Science University, Umraniye Research-
Training Hospital, Istanbul/Turkey

Ilhan YILMAZ, MD

Department of Neurosurgery, Sisli Etfal Research-Training Hospital,
Istanbul/Turkey

Mehmet Dumlu AYDIN, MD, Prof

Department of Neurosurgery, Medical Faculty of Ataturk University,
Erzurum-Turkey

Konca Altinkaynak, MD

Department of Biochemicaly, Erzurum research training Hospital, Erzurum-
Turkey

Muhammet CALIK, MD

Department of Pathology, Medical Faculty of Ataturk University, Erzurum-
Turkey

Corresponding Author:

Mehmet Dumlu Aydin Ataturk University, Medical Faculty, Department

Neurosurgery Erzurum Turkey

Mail to: nmda11@hotmail.com

Phone 90 532 322 8389

Conflict of interest : None

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات