



CURRICULUM VITAE

Name and Surname: ERDAL HORATA
Academic Title: Assistant Professor
Work Address:
Email: erdal.horata@afsu.edu.tr
Foreign Languages Known (Score and Year): English, B2 Upper Intermediate, 2017
Area of Expertise: Histology and Embryology
Human Anatomy
Orthopedics and Traumatology
Physical therapy and rehabilitation

Degree	Department/Program	University	Year
Doctorate	ANATOMİ (DR)	Eskişehir Osmangazi University	2023
Master's Degree	ANATOMİ (YL) (TEZLİ) (TIP)	Afyon Kocatepe University	2015
Bachelor's Degree	FİZYOTERAPİ VE REHABİLİTASYON BÖLÜMÜ	Hacettepe University	2010

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Examination of the relationship between preoperative ct morphometry and periappendicular CT values and perforation of appendicitis in confirmed diagnosis of acute appendicitis patients

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Estimating the number of thalamic neurons in an experimental autism model

Position Title	Workplace	Year
Assistant Professor	Afyonkarahisar Health Sciences University	2025-Continues
Lecturer	Afyonkarahisar Health Sciences University	2018-2025
Lecturer	Afyon Kocatepe University	2012-2018

Roles in Projects:

- Ayakta Pelvis Morfolojisinin Yürüyüş Sırasında Uzamsal-Zamansal Parametreler ve Pelvik Hareketler Üzerindeki Etkisinin Değerlendirilmesi*, Project Supported by Higher Education Institutions, Kundakçı Y. E. (Executive), Horata E., 2023-2024.
- Otistik Sıçan Thalamusunda Glutamat, GABA ve Serotonin Miktarlarının Gösterilmesi bu Verilerin Thalamus'un Toplam Nöron Sayıları ile İlişkilendirilmesi*, Project Supported by Higher Education Institutions, Horata E., 2022-2024.
- Afyonkarahisar Sağlık Bilimleri Üniversitesi Atatürk Sağlık Hizmetleri Meslek Yüksekokulu Ortopedik Protez Ortez Bölümü Protez Ortez Uygulama Atölyesi Geliştirme Altyapı Projesi*, Project Supported by Higher Education

Institutions, Horata E., 2021-2023.

4. *Mesleki Becerilerin Niteliğinin Arttırılması İçin Uygulama Laboratuvarı Geliştirme Projesi, 144.MYO.ALTY.05*, Project Supported by Higher Education Institutions, Horata E., 2014-2015.

Awards:

1. 2022 Yılı Başarı Belgesi (2022)

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Yıldırım D. D., Çevik Ö. S., Horata E., Uzun C., "Challenges in cross-test comparison of anxiety-related outcomes in rodents: A network meta-analysis", *Pharmacology Biochemistry and Behavior*, vol. 257, 2025.
- A2.** Çevik Ö. S., Yıldırım D. D., Uzun C., Horata E., "Contribution of distinctive outcome measures to the assessment of anxiety in the open field: A meta-analysis of factors mediating open-field test variability in rodent models of anxiety", *Behavioural Brain Research*, vol. 490, 2025.
- A3.** Ay H., Horata E., Öncü Kaya E. M., Korkmaz O. T., "Increased Serotonin Levels and Unchanged Glutamate and GABA Levels in Thalamic Microdialysates Despite Reduced Cell Numbers in a Valproic Acid-Induced Autism Model", *Neurochemical Research*, vol. 50, no. 1, 2025.
- A4.** Horata E., Ay H., Aslan D., "Autistic-like behaviour and changes in thalamic cell numbers a rat model of valproic acid-induced autism; A behavioural and stereological study", *Brain Research*, vol. 1840, 2024.
- A5.** Bilir A., Aslan E., Horata E., Guzel H., Atay E., Turamanlar O., Ertekin T., "Use of AgNOR staining to determine the effect of metoclopramide on neural tube development in early chick embryos", *Biotechnic and Histochemistry*, vol. 98, no. 5, pp. 306-313, 2023.
- A6.** Taşvuran Horata E., Horata E., Kundakçı Y. E., Yeşil H., Erel S., Dündar Ü., "A Comparative study on the assessment of dual task performance in rheumatic diseases", *Gait & Posture*, vol. 93, pp. 1-6, 2022.
- A7.** Turamanlar O., Horata E., Kaya F., Boyacı M. G., Kiyak O., Oren F. N., "Does Foramen Magnum Morphometry Influence the Development of Chiari Malformation?", *Turkish Neurosurgery*, vol. 31, no. 5, pp. 704-709, 2021.
- A8.** Turamanlar O., Özer Gökaslan Ç., Boyacı M. G., Horata E., Soysal M., Demirci A., Deniz M. Y., "Investigation of sella turcica morphometry in empty sella syndrome", *Journal of Clinical and Analytical Medicine*, vol. 9, no. 4, pp. 265-268, 2018.
- A9.** Asutay F., Atalay Y., Turamanlar O., Horata E., Burdurlu M. Ç., "Three-dimensional volumetric assessment of the effect of decompression on large mandibular odontogenic cystic lesions", *Journal of Oral and Maxillofacial Surgery*, vol. 74, no. 6, pp. 1159-1166, 2016.
- A10.** Ünlü E., Turamanlar O., Beker Acay M., Yıldız Y., Acay A., Kaçar E., Balçık Ç., Horata E., "Assesment of the Effect of Age and Gender on Pituitary Gland Volume by Magnetic Resonance Imaging", *JOURNAL OF CLINICAL AND ANALYTICAL MEDICINE*, vol. 6, pp. 434-437, 2015.

B. Papers presented at international scientific meetings and published in proceedings:

- B1.** Horata E., Madan G., DETERMINATION OF SELF-EFFICACY LEVELS OF VOCATIONAL SCHOOL OF HEALTH SERVICES, DEPARTMENT OF MEDICAL SERVICES AND TECHNIQUES, IN RELATION TO THE ANATOMY COURSE, In: *2nd INTERNATIONAL PALESTRA SCIENTIFIC RESEARCH CONGRESS*, North Macedonia, 2024.
- B2.** Taşvuran Horata E., Horata E., Yılmaz A. N., Solak H. İ., EVALUATION OF THE EFFECT OF FLOSS BAND ON PASSIVE ANKLE RANGE OF MOTION AND GAIT, In: *7TH INTERNATIONAL "ARTEMIS" CONGRESS ON HEALTH AND SPORT SCIENCES*, İzmir, Türkiye, 2024.
- B3.** Horata E., BIBLIOMETRIC ANALYSIS OF THE TOP 100 MOST CITED ARTICLES ON THE THALAMUS ANATOMY, In: *6th International "ACHARAKA" Congress on Medicine, Nursing, Midwifery, and Health Sciences*, İzmir, Türkiye, 2024.
- B4.** Taşvuran Horata E., Horata E., Yeni Tip Coronavirüs-COVID-19 (SARS-CoV-2 Enfeksiyonu) Pandemisi Sürecinde Sağlıklı Yetişkinlerin Fiziksel Aktivite Düzeyinin Belirlenmesi, In: *ICHES-IDU 2020 (International Congress of Health Sciences)*, İzmir, Türkiye, 2020.
- B5.** Bilir A., Aslan E., Horata E., Güzel H., Atay E., Turamanlar O., Ertekin T., The effect of metoclopramide on neural tube development at 48 hours chick embryos, In: *19th National Anatomy Congress & 1st International Mediterranean Anatomy Congress*, Konya, Türkiye, 2018, pp. 128-128.
- B6.** Turamanlar O., Bilir A., Horata E., Ertekin T., Özer Gökaslan Ç., Emeksiz H., Evaluation of capsula interna morphometry on MR images in normal population, In: *19th National Anatomy Congress & 1st International Mediterranean Anatomy Congress 6-9 September 2018, Konya, Turkey*, Konya, Türkiye, 2018, pp. 197-198.

B7. Horata E., Taşvuran Horata E., Erel S., THE RELATIONSHIP BETWEEN BODY AWARENESS AND LOW BACK AND NECK PAIN, In: *12th International Society of Physical and Rehabilitation Medicine (ISPRM) World Congress Paris, France, France, 2018.*

B8. Taşvuran Horata E., Horata E., Erel S., BELIEFS AND ATTITUDES OF LOW BACK PAIN OF PHYSIOTHERAPY STUDENTS REGARDING TO ACADEMIC DEGREE IN AFYON KOCATEPE UNIVERSITY, In: *12th International Society of Physical and Rehabilitation Medicine (ISPRM) World Congress Paris, France, France, 2018.*

B9. Turamanlar O., Öztürk K., Horata E., Beker Acay M., Morphometric Assessment of Sella Turcica Through CT Scan in Turkish Population, In: *30TH ANNUAL CONFERENCE, Human Anatomy Physiology Society, United States, 2016.*

B10. Horata E., Turamanlar O., Celep R. B., Okur N., Beker Acay M., Güzel H., Gönül Y., Özkan H. İ., Investigation of relationship between the preoperative periappendicular CT values and appendicitis perforation in acute appendicitis, In: *XXIV International Symposium on Morphological Sciences, 2nd-6th September, 2015, Istanbul, Turkey, İstanbul, Türkiye, 2015, pp. 208-208.*

B11. Turamanlar O., Beker Acay M., Cartılı Ö., Ünlü E., Horata E., Gülsarı Y., Toktaş M., Investigation of relationship between midline brain developmental cysts and morphometry of aqueductus cerebri and corpus callosum, In: *XXIV International Symposium on Morphological Sciences, 2nd-6th September, 2015, Istanbul, Turkey, İstanbul, Türkiye, 2015, pp. 242-242.*

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Horata E., Erel S., "Ayak-Ayak Bileği Ortezleri", *Fizik Tedavi ve Rehabilitasyon*, Hipokrat Yayıncılık, Ankara, 2025.

C2.2. Horata E., Erel S., "Diz Ortezleri", *Fizik Tedavi ve Rehabilitasyon*, Hipokrat Yayıncılık, Ankara, 2025.

C2.3. Horata E., "THALAMUS VE FONKSİYONEL ANATOMİSİ", *SAĞLIK & BİLİM 2024 ANATOMİ I*, EFE AKADEMİK YAYINLARI, İstanbul, 2024.

C2.4. Horata E., Madan G., "EKLEMLER", *Sistemik Anatomi - Klinik Konu Anlatımlı*, İstanbul Tıp Kitabevi, İstanbul, 2024.

C2.5. Kundakçı Y. E., Horata E., "KAS SİSTEMİ", *Sistemik Anatomi - Klinik Konu Anlatımlı*, İstanbul Tıp Kitabevi, İstanbul, 2024.

C2.6. Horata E., Ortadeveci A., "Anne Sesi ve Beyin Gelişimi", *SAĞLIK & BİLİM 2024: Güncel Tıp -I*, EFE AKADEMİK YAYINCILIK, İstanbul, 2024.

C2.7. Kundakçı Y. E., Horata E., "Kas Sistemi (Systema Musculare)", *Sistemik Anatomi Klinik Konu Anlatımlı*, İstanbul Tıp Kitabevi, İstanbul, 2024.

C2.8. Ceylantekin Y., Taşvuran Horata E., Horata E., "Photographic Measurement of Head and Neck in University Students", *Basic Medical Sciences*, Akademisyen Yayınevi, 2019.

D. Articles published in national peer-reviewed journals:

D1. Horata E., "Bibliometric Analysis of The Top 100 Most Cited Articles on The Thalamus Anatomy", *Medical Science and Discovery*, vol. 11, no. 3, pp. 89-98, 2024.

D2. Güzel H., Turamanlar O., Koyuncu E., Horata E., Özer Gökaslan Ç., "Morphometric Analysis of Greater Palatine Canal by Computed Tomography Canalis Palatinus Major Morfometrisinin Bilgisayarlı Tomografi ile Değerlendirilmesi", *Duzce Med J*, vol. 28, no. 3, pp. 285-289, 2023.

D3. Taşvuran Horata E., Horata E., "Determining the Physical Activity Level of Healthy Adults During Novel Coronavirus (COVID-19) Pandemic: A Descriptive Study", *Türkiye Klinikleri Journal of Health Sciences*, vol. 6, no. 4, pp. 803-809, 2021.

D4. Turamanlar O., Bilir A., Horata E., Ertekin T., Özer Gökaslan Ç., Emeksiz H., "Morphometry of the internal capsule on MR images in adult healthy individuals", *Anatomy*, vol. 14, no. 1, pp. 49-52, 2020.

D5. Turamanlar O., Horata E., Özer Gökaslan Ç., Ertekin T., "Is there any effect of the seasonal changes on the pituitary gland morphometry?", *Black sea journal of health science*, vol. 2, no. 1, pp. 1-4, 2019.

D6. Turamanlar O., Öztürk K., Horata E., Beker Acay M., "Morphometric assessment of sella turcica using CT scan", *Anatomy*, vol. 11, no. 1, pp. 6-11, 2017.

D7. Konya M. N., Maralcan G., Horata E., Erten R. A., Turamanlar O., Sofu H., "Kombine Acellular Kollajen Matrisi ve Yüksek Tibial Osteotomi Tedavisi Osteokondral Kusurlarda Etkili Midir? Ön çalışma", *Acta Medica Alanya*, vol. 1, no. 1, pp. 2-6, 2017.

D8. Ceylan Tekin Y., Taşvuran Horata E., Horata E., "Preliminary study of photographic measurement of the head and neck posture on health high school students", *Anatomy*, vol. 10, pp. 154-155, 2016.

D9. Turamanlar O., Adalı F., Beker Acay M., Horata E., Tor O., Macar O., Keş H., Keskin H., Abbasoğlu Y., "Angiographic analysis of normal coronary artery lumen diameter in a Turkish population", *Anatomy*, vol. 10, no. 2, pp. 99-104, 2016.

D10. Beker-acay M., Turamanlar O., Horata E., Unlu E., Fidan N., Oruc S., "Assessment of pineal gland volume and calcification in healthy subjects: Is it related to aging?", *JBR-BTR*, vol. 100, no. 1, 2016.

D11. Horata E., Turamanlar O., Celep R. B., Okur N., Beker Acay M., Güzel H., Gönül Y., "Investigation of relationship between the preoperative periappendicular CT values and appendicitis perforation in acute appendicitis", *An International Journal of*

Experimental an Clinical Anatomy, vol. 9, pp. 208-208, 2015.

D12. Turamanlar O., Ünlü E., Toktaş M., Horata E., Songur A., "Variation of right renal artery duplication with retroaortic left renal vein a case report", *Anatomy*, vol. 9, no. 2, pp. 91-93, 2015.

E. Papers presented at national scientific meetings and published in proceedings:

E1. Horata E., Brain morphometric measurements using artificial intelligence in Alzheimer's disease, In: 2. *Ulusal Nörogörüntüleme Kongresi*, Ankara, Türkiye, 2025.

E2. Horata E., Ay H., Adölesan otistik şıçanlarda thalamus hacim ve hücre sayıları üzerine stereolojik bir çalışma, In: *XXIII. Ulusal Anatomi Kongresi*, Ankara, Türkiye, 2023.

E3. Turamanlar O., Horata E., Kaya F., Boyacı M. G., Kıyak O., Oren F. N., Is there any effect of foramen magnum morphometry on Chiari malformation?, In: *20th National Anatomy Congress*, İstanbul, Türkiye, 2019.

E4. Turamanlar O., Horata E., Özer Gökaslan Ç., Ertekin T., Is there any effect of the seasonal changes onpituitary gland morphometry?, In: *18. Ulusal Anatomi Kongresi*, Türkiye, 2017, pp. 139-139.

E5. Turamanlar O., Özer Gökaslan Ç., Boyacı M. G., Horata E., Soysal M., Demirci A., Deniz M. Y., Boş Sella Sendromunda Sella Turcica Morfometrisinin İncelenmesi, In: *15. ULUSAL SİNİR BİLİM KONGRESİ*, Türkiye, 2017, pp. 120-120.

E6. Ceylantekin Y., Taşvuran Horata E., Horata E., Preliminary study of photographic measurement of the head and neck posture on health high school students, In: *17. Uluslararası Katılımlı Ulusal Anatomi Kongresi*, Türkiye, 2016.

E7. Beker Acay M., Turamanlar O., Horata E., Ünlü E., Fidan N., Oruç S., Pineal gland volümü ve kalsifikasyonunun sağlıklı bireylerde ince kesit bilgisayarlı tomografi ile değerlendirilmesi, In: *36. Ulusal Radyoloji Kongresi*, Antalya, Türkiye, 2015.

E8. Turamanlar O., Kaçar E., Horata E., Madan G., Truncus Coeliacus Dallahma Varyasyonu ile Sirkumaortik Vena Renalis Sinistra Olgusu, In: *16. Ulusal Anatomi Kongresi*, Malatya, Türkiye, 2014.

E9. Turamanlar O., Ünlü E., Toktaş M., Horata E., Songur A., Retroaortik Vena Renalis Sinistra ya Eşlik Eden Arteria Renalis Dexter Duplikasyon Varyasyonu Olgusu, In: *16. Ulusal Anatomi Kongresi*, Malatya, Türkiye, 2014.