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Education Information

Doctorate, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, Turkey 2021 - Continues

Postgraduate, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, Turkey 2018 - 2021

Undergraduate Double Major, Hacettepe University, Fen Fakültesi, İstatistik Bölümü, Turkey 2015 - 2018

Undergraduate, Hacettepe University, Fen Fakültesi, Aktüerya Bilimleri Bölümü, Turkey 2013 - 2018

Research Areas

Medicine, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Statistics

Academic Titles / Tasks

Research Assistant, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Gram-negative bacteremia, the risk factors, and outcome in children.**
Gumus D. D., Demir O. O., Aykac K., Hazirolan G., Avci H., Ceyhan M., Cengiz A. B., Ozsurekci Y.
Diagnostic microbiology and infectious disease, vol.109, no.3, pp.116324, 2024 (SCI-Expanded)
- II. **The validity, reliability, and responsiveness of a new biopsychosocial questionnaire for patients with systemic lupus erythematosus.**
Demirtekin M., Yardımcı G. K., Avci H., Öksüz S., Bilgen Ş. A., Kiraz S., Unal E.
Current medical research and opinion, vol.40, no.7, pp.1245-1252, 2024 (SCI-Expanded)
- III. **Evaluation of Eating Disorders, Emotional State, and Quality of Life in Bariatric Surgery Patients: Cross-Sectional Study**
Aycan M., AÇIKGÖZ PINAR A., AVCI H., BANLI O.
Bariatric Surgical Practice and Patient Care, vol.19, no.1, pp.34-42, 2024 (SCI-Expanded)
- IV. **A Novel Medical Image Enhancement Algorithm for Breast Cancer Detection on Mammography Images Using Machine Learning**
Avci H., Karakaya J.
Diagnostics, vol.13, no.3, 2023 (SCI-Expanded)
- V. **A systematic chart review of pharmacological interventions in patients with clozapine-induced hypersalivation**

MUTLU E., ÖZÇELİK EROĞLU E., COŞKUN F. M., KOÇYİĞİT D., CANPOLAT İ. K. N., AVCI H., ERTUĞRUL A., ANIL YAĞCIOĞLU A. E.

Schizophrenia Research, 2023 (SCI-Expanded)

VI. **A new tool to measure occupational balance: Adolescent Occupational Balance Scale (A-OBS)**

Güney Yılmaz G., Avcı H., Akı E.

SCANDINAVIAN JOURNAL OF OCCUPATIONAL THERAPY, vol.1, no.1, pp.1-13, 2022 (SSCI)

Articles Published in Other Journals

I. **Effect of Different Parameter Values for Pre-processing of Using Mammography Images**

Avcı H., Karakaya Karabulut J.

Journal of advanced research in natural and applied sciences (Online), vol.9, no.2, pp.345-354, 2023 (Peer-Reviewed Journal)

II. **Colistin Induced Nephrotoxicity: Experience from a University Hospital**

Bakır Ekinci P., Kurtaran M., Kara E., Avcı H., Demirkan S. K., Metan G.

Mediterranean Journal of Infection Microbes and Antimicrobials, vol.10, 2021 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **Investigation of the diagnostic discrimination values of the force time curve in carpal tunnel syndrome**

Ayvaz H., Ayhan Kuru Ç., Avcı H., Kuru İ.

32. Ulusal Türk Ortopedi ve Travmatoloji Kongresi ve 6. Fizyoterapi - Ortopedi ve Travmatoloji Ortak Sempozyumu, Antalya, Turkey, 31 October - 05 November 2023, vol.57, no.14, pp.204

II. **ABNORMALITY DETECTION AND CLASSIFICATION ON MAMMOGRAPHY IMAGES VIA CONVOLUTIONAL NEURAL NETWORKS**

Avcı H., Durhan G., Demirkazık F., Gülsün Akpınar M., Karakaya Karabulut J.

12th International Conference of the International Biometric Society's Eastern Mediterranean Region, İzmir, Turkey, 8 - 11 May 2023, pp.69

III. **Comparison of Clinical Efficacy of Different Gingival Graft Deepitization Methods**

Din F., Yılmaz B. T., Barış E., Özdemir Kabalak M., Avcı H., Çağlayan F., Keceli H. G.

Türk Periodontoloji Derneği 51. Uluslararası Bilimsel Kongresi, Antalya, Turkey, 6 - 09 November 2022, pp.137

IV. **Effect of Different Pre-processing Combinations on Classification Performances on Mammography Images**

Avcı H., Karakaya Karabulut J.

23. Ulusal ve 6. Uluslararası Biyoistatistik Kongresi, Ankara, Turkey, 26 - 29 October 2022, pp.6

V. **Comparison of Classification Performances of K-means Clustering and Canny Edge Detection Segmentation Methods on Mammography Images**

Karakaya Karabulut J., Avcı H.

23. Ulusal ve 6. Uluslararası Biyoistatistik Kongresi, Ankara, Turkey, 26 - 29 October 2022, pp.61

VI. **Evaluation of the Relationship between Functional Status and Mood in Patients with Systemic Lupus Erythematosus**

Durmuş Demirtekin M., Yardımcı G. K., Avcı H., Apraş Bilgen Ş. Ş., Ünal E.

6. Ulusal Romatolojik Rehabilitasyon Kongresi, Ankara, Turkey, 20 - 21 December 2021, pp.1

VII. **Comparison of Classification Performances of Data Mining Methods in Medical Processing and Diagnosis**

Avcı H., Karakaya Karabulut J.

XXI. ULUSAL VE IV. ULUSLARARASI BİYOİSTATİSTİK KONGRESİ, Antalya, Turkey, 26 - 29 October 2019, pp.163-170

Metrics

Publication: 15

Citation (WoS): 22

Citation (Scopus): 34

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

XXI. Ulusal ve IV. Uluslararası Biyoistatistik Kongresi, Working Group, Antalya, Turkey, 2019