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Biography

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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Fizik Tedavi Ve Rehabilitasyon (Dr), Turkey 1999 - 2006

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Fizik Tedavi Ve Rehabilitasyon (YI) (Tezli), Turkey 1996 - 1999

Undergraduate, Hacettepe University, Fizik Tedavi Ve Rehabilitasyon Yüksekokulu, Fizik Tedavi Ve Rehabilitasyon Pr., Turkey 1991 - 1995

Research Areas

Physical therapy and rehabilitation

Academic Titles / Tasks

Professor, Gazi University, Sağlık Bilimleri Fakültesi, Fizyoterapi ve Rehabilitasyon, 2020 - Continues

Associate Professor, Gazi University, Sağlık Bilimleri Fakültesi, Fizyoterapi Ve Rehabilitasyon, 2014 - 2020

Assistant Professor, Gazi University, Sağlık Bilimleri Fakültesi, Fizyoterapi Ve Rehabilitasyon, 2009 - 2020

Research Assistant, Hacettepe University, Sağlık Bilimleri Fakültesi, Fizik Tedavi Ve Rehabilitasyon Bölümü, 1995 - 2009

Advising Theses

Güçlü Gündüz A., Effect Of Aerobic Training Combined With Task-Oriented Training On Neurotrophic Factors, Proinflammatory Cytokines, And Clinical Motor Symptoms In Patients With Parkinson'S Disease , Doctorate, F.SÖKE(Student), 2020

Güçlü Gündüz A., Investigation Of The Effects Of Pilates Training In Parkinson Patients, Postgraduate, D.ÇAĞLAR(Student), 2020

Güçlü Gündüz A., THE EFFECTS OF PILATES DURING PREGNANCY, Doctorate, H.İBRAHİM(Student), 2019

GÜÇLÜ GÜNDÜZ A., Investigation Of The Relationship Between Fatigue And Physical Activity Level In Patient With

Multiple Sclerosis, Postgraduate, K.Çekim(Student), 2018

GÜÇLÜ GÜNDÜZ A., Multipl sklerozlu hastalarda yorgunluk ve fiziksel aktivite düzeyi arasındaki ilişkinin incelenmesi, Postgraduate, K.ÇEKİM(Student), 2018

GÜÇLÜ GÜNDÜZ A., The Sensitivity And Specificity Of The Balance Evaluation Systems Test (Bestest) To Determine The Risk Of Fall In Stroke Patients, Postgraduate, İ.Ezgi(Student), 2017

GÜÇLÜ GÜNDÜZ A., İnmeli hastalarda denge değerlendirme sistemler testi'nin düşme riskini belirlemedeki duyarlılığı ve özgüllüğü, Postgraduate, İ.EZGİ(Student), 2017

GÜÇLÜ GÜNDÜZ A., Effect of combined aerobic and pilates training on biochemical factors, physical performance, fatigue and quality of life in patients with multiple sclerosis, Doctorate, Ç.ÖZKUL(Student), 2017

GÜÇLÜ GÜNDÜZ A., Investigation of the effects of early neurodevelopmental bobath approach results in stroke patients, Doctorate, G.YAZICI(Student), 2017

GÜÇLÜ GÜNDÜZ A., The Investigation Of Effects Of Vertigo, Dizziness And Imbalance On Physical Activity Level, Activities Of Daily Living And Quality Of Life In Patient With Peripheral Vestibular Hypofunction, Postgraduate, Y.Aydın(Student), 2016

GÜÇLÜ GÜNDÜZ A., Servikal disk hernili hastalarda servikal stabilizasyon eğitimi ve "core" stabilizasyon eğitiminin etkilerinin incelenmesi, Doctorate, B.BÜYÜKTURAN(Student), 2016

GÜÇLÜ GÜNDÜZ A., Periferik vestibüler hipofonksiyonlu hastalarda vertigo, 'dizziness' ve denge bozukluğunun fiziksel aktive düzeyi, günlük yaşam aktiviteleri ve yaşam kalitesi üzerine etkilerinin incelenmesi, Postgraduate, Y.AYDIN(Student), 2016

GÜÇLÜ GÜNDÜZ A., The Investigation Of Relationship Between Core Stability And Trunk Position Sense With Balance In Patients With Multiple Sclerosis, Doctorate, T.Özkan(Student), 2016

GÜÇLÜ GÜNDÜZ A., The Investigation Of The Effects Of Cervical Stabilization Training And Core Stabilization Training In Patients With Cervical Disc Herniation, Doctorate, B.Büyükturan(Student), 2016

GÜÇLÜ GÜNDÜZ A., Multipl skleroz'lu hastalarda denge ile "core" stabilite ve gövde pozisyon duygusu arasındaki ilişkinin incelenmesi, Postgraduate, T.ÖZKAN(Student), 2016

GÜÇLÜ GÜNDÜZ A., Multipl skleroz'lu hastalarda mat pilates ve aletli pilates eğitiminin denge, kuvvet, mobilite, yorgunluk ve yaşam kalitesi üzerine etkilerinin karşılaştırılması, Postgraduate, H.İBRAHİM(Student), 2015

GÜÇLÜ GÜNDÜZ A., Comparison Of The Effect Of Mat Pilates And Instrumental Pilates On Balance, Strength, Mobility, Fatigue And Quality Of Life In Patients With Multiple Sclerosis, Postgraduate, H.İbrahim(Student), 2015

GÜÇLÜ GÜNDÜZ A., The effects of kinesiotaping technique on balance applied on the foot and ankle in patients with stroke, Postgraduate, G.YAZICI(Student), 2013

GÜÇLÜ GÜNDÜZ A., Comparison of the effects of core stabilization trainings performed on land and in water in lumbar disc herniation patients, Postgraduate, D.BAYRAKTAR(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of cervical stabilization training in patients with headache: A single-blinded randomized controlled trial**
Altın Kacar H., ÖZKUL Ç., Baran A., GÜÇLÜ GÜNDÜZ A.
European Journal of Pain (United Kingdom), vol.28, no.4, pp.633-648, 2024 (SCI-Expanded)
- II. **The effects of standard and modified LSVT BIG therapy protocols on balance and gait in Parkinson's disease: A randomized controlled trial**
ELDEMİR S., Eldemir K., Saygılı F., ÖZKUL Ç., YILMAZ R., AKBOSTANCI M. C., GÜÇLÜ GÜNDÜZ A.
Brain and Behavior, vol.14, no.3, 2024 (SCI-Expanded)
- III. **The effects of augmented and virtual reality gait training on balance and gait in patients with Parkinson's disease**
Gulcan K., GÜÇLÜ GÜNDÜZ A., Yasar E., Ar U., Sucullu Karadag Y., Saygılı F.
Acta Neurologica Belgica, vol.123, no.5, pp.1917-1925, 2023 (SCI-Expanded)
- IV. **Effects of multi-task training on motor and cognitive performances in multiple sclerosis patients without clinical disability: a single-blinded randomized controlled trial**

ÖZKUL Ç., ELDEMİR K., APAYDIN Y., GÜLŞEN Ç., Irkeç C., GÜÇLÜ GÜNDÜZ A.

Acta Neurologica Belgica, vol.123, no.4, pp.1301-1312, 2023 (SCI-Expanded)

- V. **Effects of Pilates-based telerehabilitation on physical performance and quality of life in patients with multiple sclerosis**
Eldemir K., GÜÇLÜ GÜNDÜZ A., ELDEMİR S., Saygılı F., ÖZKUL Ç., İRKEÇ C.
DISABILITY AND REHABILITATION, 2023 (SCI-Expanded)
- VI. **The effect of task-oriented circuit training-based telerehabilitation on upper extremity motor functions in patients with Parkinson's disease: A randomized controlled trial**
ELDEMİR S., GÜÇLÜ GÜNDÜZ A., Eldemir K., Saygılı F., YILMAZ R., AKBOSTANCI M. C.
Parkinsonism and Related Disorders, vol.109, 2023 (SCI-Expanded)
- VII. **Functional Performance, Leg Muscle Strength, and Core Muscle Endurance in Multiple Sclerosis Patients With Mild Disability: A Cross-Sectional Study**
ÖZKUL Ç., ELDEMİR K., ELDEMİR S., YILDIRIM M. Ş., SAYGILI F., GÜÇLÜ GÜNDÜZ A., İRKEÇ C.
Motor Control, vol.26, no.4, pp.729-747, 2022 (SCI-Expanded)
- VIII. **The reliability and validity of the Turkish version of the dual-task questionnaire in patients with multiple sclerosis**
ELDEMİR S., ÖZKUL Ç., ELDEMİR K., SAYGILI F., GÜÇLÜ GÜNDÜZ A., Irkeç C.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.64, 2022 (SCI-Expanded)
- IX. **Effect of fully immersive virtual reality treatment combined with exercise in fibromyalgia patients: a randomized controlled trial**
Gulsen Ç., Soke F., Eldemir K., Apaydin Y., Ozkul Ç., Guclu-Gunduz A., Akcali D. T.
ASSISTIVE TECHNOLOGY, vol.34, no.3, pp.256-263, 2022 (SSCI)
- X. **The functional reach test in people with multiple sclerosis: a reliability and validity study**
Soke F., ELDEMİR S., Ozkan T., ÖZKUL Ç., Gulsen E. O., GÜLŞEN Ç., ELDEMİR K., Irkeç C., Kocer B. G., BATUR ÇAĞLAYAN H. Z., et al.
PHYSIOTHERAPY THEORY AND PRACTICE, vol.38, no.13, pp.2905-2919, 2022 (SCI-Expanded)
- XI. **Effects of task-oriented training combined with aerobic training on serum BDNF, GDNF, IGF-1, VEGF, TNF-alpha, and IL-1 beta levels in people with Parkinson's disease: A randomized controlled study**
Soke F., Kocer B., FİDAN I., KESKİNOĞLU P., GÜÇLÜ GÜNDÜZ A.
EXPERIMENTAL GERONTOLOGY, vol.150, 2021 (SCI-Expanded)
- XII. **Dual-Task Cost and Related Clinical Features in Patients With Multiple Sclerosis**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., ELDEMİR K., APAYDIN Y., GÜLŞEN Ç., YAZICI G., Soke F., İRKEÇ C.
MOTOR CONTROL, vol.25, no.2, pp.211-233, 2021 (SCI-Expanded)
- XIII. **Task-oriented circuit training combined with aerobic training improves motor performance and balance in people with Parkinson's Disease**
Soke F., GÜÇLÜ GÜNDÜZ A., Kocer B., FİDAN I., KESKİNOĞLU P.
ACTA NEUROLOGICA BELGICA, vol.121, no.2, pp.535-543, 2021 (SCI-Expanded)
- XIV. **Reliability and validity of the Turkish version of the vestibular rehabilitation benefit questionnaire.**
Gündüz B., Aydin Y., Güçlü Gündüz A., Kabiş B., Tutar H.
Turkish journal of medical sciences, vol.51, pp.796-801, 2021 (SCI-Expanded)
- XV. **Reliability and validity of the timed 360 degrees turn test in people with multiple sclerosis**
Soke F., GÜÇLÜ GÜNDÜZ A., ÖZKUL Ç., Cekim K., Irkeç C., Kocer B. G.
PHYSIOTHERAPY THEORY AND PRACTICE, vol.37, pp.736-747, 2021 (SCI-Expanded)
- XVI. **Clinical features and physical performance in multiple sclerosis patients with and without cognitive impairment: a cross-sectional study**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., ELDEMİR K., APAYDIN Y., YAZICI G., Irkeç C.
INTERNATIONAL JOURNAL OF REHABILITATION RESEARCH, vol.43, no.4, pp.316-323, 2020 (SCI-Expanded)
- XVII. **Combined exercise training improves cognitive functions in multiple sclerosis patients with cognitive impairment: A single-blinded randomized controlled trial**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., ELDEMİR K., APAYDIN Y., YAZICI G., Irkeç C.
MULTIPLE SCLEROSIS AND RELATED DISORDERS, vol.45, 2020 (SCI-Expanded)

- XVIII. **Validity and reliability of the Turkish version of the Self-reported Foot and Ankle Score in patients with foot or ankle pain**
YAZICI G., Yazici M. V., BAYRAKTAR D., Varol F., GÜÇLÜ GÜNDÜZ A., BEK N.
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.54, no.4, pp.408-413, 2020 (SCI-Expanded)
- XIX. **Reliability and validity of the timed 360 degrees turn test in people with Parkinson's disease**
Soke F., GÜÇLÜ GÜNDÜZ A., ÖZKAN T., ÖZKUL Ç., Gulsen Ç., Kocer B.
EUROPEAN GERIATRIC MEDICINE, vol.11, no.3, pp.417-426, 2020 (SCI-Expanded)
- XX. **Effect of immersive virtual reality on balance, mobility, and fatigue in patients with multiple sclerosis: A single-blinded randomized controlled trial**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., YAZICI G., Atalay Guzel N. A., Irkeç C.
European Journal of Integrative Medicine, vol.35, 2020 (SCI-Expanded)
- XXI. **Effect of task-oriented circuit training on motor and cognitive performance in patients with multiple sclerosis: A single-blinded randomized controlled trial**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., ELDEMİR K., APAYDIN Y., Gulsen Ç., YAZICI G., Soke F., Irkeç C.
NEUROREHABILITATION, vol.46, no.3, pp.343-353, 2020 (SCI-Expanded)
- XXII. **The sensitivity and specificity of the balance evaluation systems test-BESTest in determining risk of fall in stroke patients**
Sahin I. E., GÜÇLÜ GÜNDÜZ A., YAZICI G., ÖZKUL Ç., Volkan-Yazici M., NAZLIEL B., TEKİNDAL M. A.
NEUROREHABILITATION, vol.44, no.1, pp.67-77, 2019 (SCI-Expanded)
- XXIII. **The effects of early neurodevelopmental Bobath approach and mobilization on quadriceps muscle thickness in stroke patients**
GÜÇLÜ GÜNDÜZ A., YAZICI G., ÖZKUL Ç., Kucuk H., BATUR ÇAĞLAYAN H. Z., NAZLIEL B.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.49, no.1, pp.318-326, 2019 (SCI-Expanded)
- XXIV. **Effect of combined exercise training on serum brain-derived neurotrophic factor, suppressors of cytokine signaling 1 and 3 in patients with multiple sclerosis**
Ozkul Ç., Guclu-Gunduz A., Irkeç C., Fidan I., Aydin Y., Ozkan T., Yazici G.
JOURNAL OF NEUROIMMUNOLOGY, vol.316, pp.121-129, 2018 (SCI-Expanded)
- XXV. **Cervical stability training with and without core stability training for patients with cervical disc herniation: A randomized, single-blind study**
Buyukturan B., Guclu-Gunduz A., Buyukturan O., Dadali Y., Bilgin S., Kurt E. E.
EUROPEAN JOURNAL OF PAIN, vol.21, no.10, pp.1678-1687, 2017 (SCI-Expanded)
- XXVI. **The effects of Mat Pilates and Reformer Pilates in patients with Multiple Sclerosis: A randomized controlled study**
Bulguroglu I., Guclu-Gunduz A., Yazici G., Ozkul Ç., Irkeç C., Nazliel B., BATUR ÇAĞLAYAN H. Z.
NEUROREHABILITATION, vol.41, no.2, pp.413-422, 2017 (SCI-Expanded)
- XXVII. **A comparison of water-based and land-based core stability exercises in patients with lumbar disc herniation: a pilot study**
BAYRAKTAR D., GÜÇLÜ GÜNDÜZ A., Lambeck J., YAZICI G., AYKOL Ş., Demirci H.
DISABILITY AND REHABILITATION, vol.38, no.12, pp.1163-1171, 2016 (SCI-Expanded)
- XXVIII. **Does correcting position and increasing sensorial input of the foot and ankle with Kinesio Taping improve balance in stroke patients?**
YAZICI G., GÜÇLÜ GÜNDÜZ A., Bayraktar D., AKSOY S., NAZLIEL B., KILINÇ M., Yildirim S. A., Irkeç C.
NEUROREHABILITATION, vol.36, no.3, pp.345-353, 2015 (SCI-Expanded)
- XXIX. **The effects of pilates on balance, mobility and strength in patients with multiple sclerosis**
Güçlü Gündüz A., Çitaker S., Irkeç C., Nazliel B., Batur Çağlayan H. Z.
NEUROREHABILITATION, vol.34, no.2, pp.337-342, 2014 (SCI-Expanded)
- XXX. **Effects of exercise and electrical stimulation on lumbar stabilization in asymptomatic subjects: A comparative study**
BİLGİN S., TEMUÇİN Ç. M., NURLU G., Kaya D. O., KÖSE N., GÜÇLÜ GÜNDÜZ A.
JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION, vol.26, no.3, pp.261-266, 2013 (SCI-Expanded)
- XXXI. **Effects of Ai-Chi on balance, functional mobility, strength and fatigue in patients with multiple**

sclerosis: A pilot study

Bayraktar D., GÜÇLÜ GÜNDÜZ A., YAZICI G., Lambeck J., BATUR ÇAĞLAYAN H. Z., Irkeç C., NAZLIEL B.
NEUROREHABILITATION, vol.33, no.3, pp.431-437, 2013 (SCI-Expanded)

XXXII. Relationship between lower extremity isometric muscle strength and standing balance in patients with multiple sclerosis

ÇITAKER S., GÜÇLÜ GÜNDÜZ A., YAZICI G., Bayraktar D., NAZLIEL B., Irkeç C.
NEUROREHABILITATION, vol.33, no.2, pp.293-298, 2013 (SCI-Expanded)

XXXIII. Gait and Glasgow Coma Scale scores can predict functional recovery in patients with traumatic brain injury

BİLGİN S., GÜÇLÜ GÜNDÜZ A., Oruckaptan H., KÖSE N., ÇELİK B.
NEURAL REGENERATION RESEARCH, vol.7, no.25, pp.1978-1984, 2012 (SCI-Expanded)

XXXIV. Outcomes of early physiotherapy in patients with cerebral aneurysms treated by surgical clipping or endovascular embolization

GÜÇLÜ GÜNDÜZ A., BİLGİN S., KÖSE N., Oruckaptan H.
NEURAL REGENERATION RESEARCH, vol.7, no.24, pp.1900-1905, 2012 (SCI-Expanded)

XXXV. COMPARISON OF FUNCTIONAL EXERCISE CAPACITY, PULMONARY FUNCTION AND RESPIRATORY MUSCLE STRENGTH IN PATIENTS WITH MULTIPLE SCLEROSIS WITH DIFFERENT DISABILITY LEVELS AND HEALTHY CONTROLS

BOŞNAK GÜÇLÜ M., GÜÇLÜ GÜNDÜZ A., NAZLIEL B., Irkeç C.
JOURNAL OF REHABILITATION MEDICINE, vol.44, no.1, pp.80-86, 2012 (SCI-Expanded)

XXXVI. Upper extremity function and its relation with hand sensation and upper extremity strength in patients with multiple sclerosis

GÜÇLÜ GÜNDÜZ A., ÇITAKER S., NAZLIEL B., Irkeç C.
NEUROREHABILITATION, vol.30, no.4, pp.369-374, 2012 (SCI-Expanded)

XXXVII. Relationship between foot sensation and standing balance in patients with multiple sclerosis

ÇITAKER S., GÜÇLÜ GÜNDÜZ A., Guclu M., NAZLIEL B., Irkeç C., Kaya D.
GAIT & POSTURE, vol.34, no.2, pp.275-278, 2011 (SCI-Expanded)

XXXVIII. Six-minute walk distance as a measure of functional exercise capacity in multiple sclerosis.

Savci S., Inal-Ince D., Arikan H., Guclu-Gunduz A., Cetisli-Korkmaz N., ARMUTLU K., KARABUDAK R.
Disability and rehabilitation, vol.27, no.22, pp.1365-1371, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. The Effects of Spinomed Orthosis on Balance and Walking Performance in Elderly People with Thoracic Hyperkyphosis

ELDEMİR S., ELDEMİR K., ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A.
Gazi Journal of Health Sciences, vol.7, no.3, pp.74-81, 2022 (Peer-Reviewed Journal)

II. İnme Hastalarında Kısıtlayıcı Zorunlu Hareket Tedavisi Temelli Telerehabilitasyon Uygulamaları

SAYGILI F., ELDEMİR S., GÜÇLÜ GÜNDÜZ A.
Adnan Menderes University, vol.6, no.2, pp.394-404, 2022 (Peer-Reviewed Journal)

III. Role of Telerehabilitation in Upper Extremity Rehabilitation of Parkinson's Patients: Review of the Literature

ELDEMİR S., ELDEMİR K., ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., SAYGILI F.
Cumhuriyet Tıp Dergisi (ELEKTRONİK), vol.44, no.1, pp.9-16, 2022 (Peer-Reviewed Journal)

IV. Investigation of the Relationship between Disability Level and Core Stability in Patients with Multiple Sclerosis

ÖZKAN T., GÜÇLÜ GÜNDÜZ A., SÖKE F., ÖZKUL Ç., İRKEÇ C.
H.Ü. Sağlık Bilimleri Fakültesi Dergisi, vol.8, no.3, pp.655-669, 2021 (Peer-Reviewed Journal)

V. Investigation of early term neurodevelopmental treatment-bobath approach results in patients with stroke

Yazıcı G., Güçlü Gündüz A., Batur Çağlayan H. Z., Özkul Ç., Volkan Yazıcı M., Nazlıel B.

TURK SEREBROVASKULER HASTALIKLAR DERGISI, vol.27, no.1, pp.27-33, 2021 (Peer-Reviewed Journal)

- VI. **Mutual Relationship Between Upper Extremity Function and Core Muscle Endurance in Patients with Multiple Sclerosis**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., ESMER M., YILDIRIM M. Ş., ELDEMİR K., İRKEÇ C.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.11, no.1, pp.42-46, 2021 (ESCI)
- VII. **Associations between fatigue and physical behavior in patients with multiple sclerosis with no or minimal disability**
ELDEMİR K., GÜÇLÜ GÜNDÜZ A., ÖZKUL Ç., ELDEMİR S., Soke F., İRKEÇ C.
FATIGUE-BIOMEDICINE HEALTH AND BEHAVIOR, vol.9, no.2, pp.69-78, 2021 (ESCI)
- VIII. **RELATION OF VERTIGO, DIZZINESS, AND IMBALANCE WITH PHYSICAL ACTIVITY, EXERCISE CAPACITY, ACTIVITIES OF DAILY LIVING, AND QUALITY OF LIFE IN PERIPHERAL VESTIBULAR HYPOFUNCTION**
APAYDIN Y., GÜÇLÜ GÜNDÜZ A., GÜNDÜZ B., KABİŞ B., ÖZKUL Ç., ÖZKAN T., TUTAR H.
TURKISH JOURNAL OF PHYSIOTHERAPY REHABILITATION-TURK FIZYOTERAPI VE REHABILITASYON DERGISI, vol.31, no.3, pp.278-287, 2020 (ESCI)
- IX. **Early rehabilitation for ischemic stroke patients: Should it be initiated immediately?**
YAZICI G., GÜÇLÜ GÜNDÜZ A., BATUR ÇAĞLAYAN H. Z., ÖZKUL Ç., VOLKAN YAZICI M., NAZLIEL B.
Turkish Journal of Cerebrovascular Diseases, vol.26, no.1, pp.120-125, 2020 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Distoni ve Fizyoterapi**
SÖKE F., SAYGILI F., GÜÇLÜ GÜNDÜZ A.
in: Kas Tonusu Bozuklukları Ve Fizyoterapi Rehabilitasyon, Uğur Cavlak, Filiz Altuğ, Arzu Güçlü Gündüz, Birgül Balcı, Muhammed Kılınç, Burcu Ersöz Hüseyinsinoğlu, Editor, İstanbul Tıp Kitapevi, İstanbul, pp.265-307, 2022
- II. **Anormal Mobilite**
GÜÇLÜ GÜNDÜZ A., YAZICI G., AYDIN Y., ÇEKİM K.
in: Motor Kontrol, Arzu Güçlü Gündüz, Editor, Hipokrat Yayın Evi, Ankara, pp.376-406, 2018
- III. **Normal Mobilitenin Kontrolü**
GÜÇLÜ GÜNDÜZ A., ÖZKUL Ç., SÖKE F., ÖZKAN T.
in: Motor Kontrol Araştırmanın Klinik Uygulamaya Aktarılması, Arzu Güçlü Gündüz, Sevil Bilgin, Çiğdem Öksüz, Özge Ertekin, Gözde İyigün, Editor, Hipokrat Yayınevi, Ankara, pp.309-340, 2018
- IV. **YÜRÜME YARDIMCILARI**
GÜÇLÜ GÜNDÜZ A.
in: FİZYOPTERAPİ VE REHABİLİTASYON, AYŞE KARADUMAN, ÖZNUR TUNCA, Editor, PELİKAN, Ankara, pp.323-344, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **TORASIK HIPERKİFOZLU YAŞLI KİŞİLERDE SPINOMED ORTEZİNİN VE BIOFEEDBACK POSTURE TRAINER ORTEZİNİN DENGİ PERFORMANSI ÜZERİNDEKİ ANLIK ETKİLERİNİN İNCELENMESİ: PILOT ÇALIŞMA**
ELDEMİR K., ELDEMİR S., ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A.
II. Uluslararası Gazi Sağlık Bilimleri Kongresi, Ankara, Turkey, 15 December 2022
- II. **Association between physical activity levels and serum BDNF levels in patients with multiple sclerosis**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., İRKEÇ C., FİDAN I.
ACTRIMS Forum 2022, Miami, United States Of America, 24 February 2022, vol.28, pp.22

- III. **Correlation between serum SOCS levels and routine biochemical parameters in patients with multiple sclerosis**
ÖZKUL Ç., GÜÇLÜ GÜNDÜZ A., İRKEÇ C., FİDAN I.
ACTRIMS Forum, United States Of America, 24 February 2022
- IV. **THE EFFECT OF PILATES-BASED TELEREHABILITATION TRAINING ON PHYSICAL PERFORMANCE AND QUALITY OF LIFE IN MULTIPLE SCLEROSIS: A PILOT STUDY**
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Non Academic Experience

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