

## Prof. MURAT KARKUCAK

### Personal Information

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### International Researcher IDs

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ScopusID: 10046031900

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### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Expertise In Medicine, Dođu Karadeniz Bölgesinde Spondilartropati prevalansı, Karadeniz Technical University, Dahili Bilimler, Fiziksel Tıp Ve Rehabilitasyon, 2004

### Research Areas

Medicine, Internal Medicine Sciences, Physical Medicine and Rehabilitation, Health Sciences

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Tıp Fakültesi, Dahili Tıp, 2019 - Continues

### Courses

KOMPRESYON NÖROPATİLERİ, Undergraduate, 2023 - 2024

OMURGANIN AĞRILI SENDROMLARI, Undergraduate, 2023 - 2024

FİZİK TEDAVİ MODALİTELERİ, Undergraduate, 2023 - 2024

NÖROPATİK AĞRI, Undergraduate, 2023 - 2024

ENFEKSİYÖZ ARTRİTLER, Undergraduate, 2023 - 2024

PERİFERİK SİNİR SİSTEMİ HASTALIKLARI REHABİLİTASYONU, Undergraduate, 2023 - 2024

ROMATOİD ARTRİT, Undergraduate, 2023 - 2024

PEDİATRİK NÖROLOJİK HASTALIKLAR VE REHABİLİTASYONU, Undergraduate, 2023 - 2024

ORTOPEDİK REHABİLİTASYON, Undergraduate, 2023 - 2024

OSTEOPOROZ, Undergraduate, 2023 - 2024

### Advising Theses

KARKUCAK M., KARPAL TÜNEL SENDROMU ENJEKSİYONLARINDA ULTRASONOGRAFİ KULLANIMI VE BERABERİNDE YAPILAN GÖRSEL BİLGİLENDİRME ANKSİYETE VE KLİNİK PARAMETRELER ÜZERİNE ETKİSİ, Expertise In Medicine, Ö.Serdar(Student), 2016

Karkucak M., Fibromyalji sendromlu hastalarda yaşam kalitesi, psikojenik durumlar ve işlevsellik, Expertise In Medicine, H.BAYKAL(Student), 2015

KARKUCAK M., Trabzon İlinde Yaşayan 11-18 Yaş arası çocuklarında generalize eklem hipermobilitesi ve fibromyalji sıklığı, Expertise In Medicine, Ö.Barca(Student), 2011

KARKUCAK M., Psöriyazis hastalarında psöriyatik artrit sıklığı ve klinik özellikleri, Expertise In Medicine, M.Köse(Student), 2011

KARKUCAK M., Kronik Bel ağrılı hastalarda klinik bulguların yaşam kalitesiyle ilişkisi, Expertise In Medicine, E.Ak(Student), 2010

KARKUCAK M., Ankilozan spondilitli hastalarda yaşam kalitesi ve yaşam kalitesini etkileyen risk faktörler, Doctorate, G.Özden(Student), 2009

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Frequency of fibromyalgias in patients with rheumatoid arthritis and ankylosing spondylitis: A multicenter study of Turkish League Against Rheumatism (TLAR) network**  
KOZANOĞLU M. E., KELLE B., Alaylı G., Kuru O., Firat S. c., Demir A. N., KARAKOÇ M., ÖZÇAKIR Ş., ALTAY Z., Aktas I., et al.  
ARCHIVES OF RHEUMATOLOGY, vol.39, no.1, pp.20-32, 2024 (SCI-Expanded)
- II. **Gender disparities in Behçet's syndrome: identifying distinct phenotypes through cluster analysis**  
KILIÇ G., KÖRÜKLÜ K. F., KUMCU M. G., ÇAKIR E., KARKUCAK M., Kılıç E.  
Immunologic Research, 2024 (SCI-Expanded)
- III. **Oxidative modification of carbonic anhydrase by peroxynitrite trigger immune response in mice and rheumatic disease patients**  
ŞENTÜRK A., ALVER A., KARKUCAK M., KÜÇÜK M., Rendi T. A.  
AMERICAN JOURNAL OF THE MEDICAL SCIENCES, vol.366, no.6, pp.438-448, 2023 (SCI-Expanded)
- IV. **Infliximab therapy provides beneficial effects for choroidal thickness increase in patients with active ankylosing spondylitis: A possible mechanism mediating the suppressing of uveitis attacks.**  
Karkucak M., Kola M., Kalkışım A., Çapkın E., Ayar A., Türk A.  
ARCHIVES OF RHEUMATOLOGY, vol.36, no.1, pp.56-62, 2021 (SCI-Expanded)
- V. **Diagnostic efficacy of routine contrast-enhanced abdominal CT for the assessment of osteoporosis in the Turkish population**  
Cansu A., Atasoy D., Eyüboğlu İ., Karkucak M.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.50, no.1, pp.110-116, 2020 (SCI-Expanded)
- VI. **Comparison of clinical outcomes of ultrasonography-guided and blind local injections in facet syndrome: A 6-week randomized controlled trial**  
KARKUCAK M., Batmaz I., KERİMOĞLU S., AYAR A.  
JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION, vol.33, no.3, pp.431-436, 2020 (SCI-Expanded)
- VII. **A prospective clinical investigation of the effects of anti-TNF alpha therapy on exercise capacity in patients with ankylosing spondylitis**  
ÇAPKIN E., Keskin S. B., KARKUCAK M., AYAR A.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.49, no.1, pp.27-32, 2019 (SCI-Expanded)
- VIII. **Sexual Dysfunction and Childhood Trauma In Female Patients With Fibromyalgia**  
Karaguzel E., KARKUCAK M., Saglam D. A., Tiryaki A., KARAHAN A., ÇAPKIN E.  
ISRAEL JOURNAL OF PSYCHIATRY AND RELATED SCIENCES, vol.55, no.2, pp.10-14, 2018 (SCI-Expanded)
- IX. **The Disease Course in Daily Clinical Practice in Radiographic and Non-Radiographic Axial Spondyloarthritis Patients; One-Year Follow-up Results of National-Subgroup of a Worldwide Observational Cohort Study**

AKAR S., Sezer I, Yumusakhuyly Y., AKINCI A., Erol K., Akgun K., Bodur H., Ataman S., Kuru O., Melikoglu M., et al. ARTHRITIS & RHEUMATOLOGY, vol.69, 2017 (SCI-Expanded)

- X. **The performance of psoriatic arthritis classification criteria in Turkish patients with psoriatic arthritis**  
Nas K., KARKUCAK M., Durmus B., Ulu M. A., Karatay S., ÇAPKIN E., Ulusoy H., Gulkesen A., Sula B., Akgol G., et al. INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.20, no.8, pp.985-989, 2017 (SCI-Expanded)
- XI. **Gender specific differences in patients with psoriatic arthritis**  
Nas K., ÇAPKIN E., Dagli A. Z., Cevik R., Kilic E., Kilic G., KARKUCAK M., Durmuş B., Ozgocmen S. MODERN RHEUMATOLOGY, vol.27, no.2, pp.345-349, 2017 (SCI-Expanded)
- XII. **A case of osteogenesis imperfecta presenting with psychotic symptoms**  
ÖZKORUMAK KARAGÜZEL E., SAĞLAM AYKUT D., KIZILAY ÇANKAYA P., Karkucak M. ANADOLU PSIKIYATRI DERGISI-ANATOLIAN JOURNAL OF PSYCHIATRY, vol.18, pp.23-25, 2017 (SCI-Expanded)
- XIII. **Carbonic Anhydrase I and II Autoantibodies in Behçet's Disease.**  
MENTEŞE A., ÖZER YAMAN S., ALVER A., SÜMER A., KARKUCAK M., ÇAPKIN A., US A., TURAN İ. ACTA REUMATOLOGICA PORTUGUESA, vol.-, 2017 (SCI-Expanded)
- XIV. **Arterial stiffness is associated with left ventricular dysfunction in patients with rheumatoid arthritis**  
İlter A., Kiris A., KARKUCAK M., Sahin M., Serdar O. F., Ugan Y. CLINICAL RHEUMATOLOGY, vol.35, no.11, pp.2663-2668, 2016 (SCI-Expanded)
- XV. **Ultrasound Video Demonstration for Lumbar Facet Joint Injection**  
KARKUCAK M., Kurt M., ÖZÇAKAR L. AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.95, no.10, 2016 (SCI-Expanded)
- XVI. **Gender spesific differences in patients with psoriatic arthritis.**  
Nas K., ÇAPKIN E., Dağlı A., Cevik R., Kılıç E., Kılıç G., KARKUCAK M., Durmuş B., Özgöçmen S. MODERN RHEUMATOLOGY, vol.-, 2016 (SCI-Expanded)
- XVII. **Education and Visual Information Improves Effectiveness of Ultrasound-Guided Local Injections on Shoulder Pain and Associated Anxiety Level A Randomized Controlled Study**  
KARKUCAK M., Cilesizoglu N., ÇAPKIN E., Can I., BATMAZ İ., KERİMOĞLU S., Onder M. A., Karaca A., AYAR A. AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.95, no.1, pp.9-14, 2016 (SCI-Expanded)
- XVIII. **The Relationship of Osteoporosis Risk Factors with Bone Mineral Density in Patients Admitted Our Outpatient Clinic in Trabzon**  
SERDAROĞLU M., ÇAPKIN E., KARKUCAK M., GÜLER M., ÇAKIRBAY H. Türkiye Fiziksel Tıp ve Rehabilitasyon Dergisi, vol.22, pp.0-23, 2016 (SCI-Expanded)
- XIX. **The Relationship of Osteoporosis Risk Factors with Bone Mineral Density in Patients Admitted Our Outpatient Clinic in Trabzon**  
SERDAROĞLU M., ÇAPKIN E., KARKUCAK M., GÜLER M., ÇAKIRBAY H. Türk Osteoporoz Dergisi, vol.22, pp.0-23, 2016 (SCI-Expanded)
- XX. **Ultrasonographic evaluation of femoral cartilage thickness in patients with psoriatic arthritis**  
Batmaz İ., Sariyıldız M. A., Cilesizoglu N., KARKUCAK M., Yazmalar L., SERDAR Ö. F., ÇAPKIN E., NAS K. JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION, vol.29, no.4, pp.703-708, 2016 (SCI-Expanded)
- XXI. **Ultrasound video demostration for lumbar faset joint injection.**  
KARKUCAK M., Kurt M., Özçakar L. AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.9, pp.165-6, 2016 (SCI-Expanded)
- XXII. **Regarding Comments by Yolcu et al. on "Evaluation of Choroidal Thickness in Ankylosing Spondylitis Using Optical Coherence Tomography"**  
KOLA M., Kalkisim A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F., Mollamehmetoglu S., AYAR A. OCULAR IMMUNOLOGY AND INFLAMMATION, vol.23, no.6, pp.465-466, 2015 (SCI-Expanded)
- XXIII. **Comorbidities in patients with psoriatic arthritis: a comparison with rheumatoid arthritis and psoriasis.**  
Nas K., KARKUCAK M., Durmus B., Karatay S., ÇAPKIN E., KAYA A., UÇMAK D., Akar Z. A., ÇEVİK R., Kilic E., et al. International journal of rheumatic diseases, vol.18, no.8, pp.873-9, 2015 (SCI-Expanded)
- XXIV. **Transcutaneous Electrical Nerve Stimulation**

Karkucak M.

Türkiye Klinikleri Tıp Bilimleri Dergisi, vol.8, no.1, pp.31-36, 2015 (SCI-Expanded)

- XXV. **Letter to the editors regarding comments by Yolcu U et al. on the paper titled: "Evaluation of choroidal thickness in ankylosing spondylitis using optical coherence tomography"**  
KOLA M., KALKISIM A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F., Mollamehmetoglu S., AYAR A.  
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- XXVI. **Treatment of ankylosing spondylitis with TNF inhibitors does not have adverse effect on results of liver function tests: a longitudinal study**  
ÇAPKIN E., KARKUCAK M., COŞAR A. M., AK E., KARACA A., Gokmen F., BUDAK B. S., TOSUN M.  
INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.18, no.5, pp.548-552, 2015 (SCI-Expanded)
- XXVII. **Education and Visual Information Improves Effectiveness of Ultrasound-Guided Local Injections on Shoulder Pain and Associated Anxiety Level: A Randomized Controlled Study.**  
KARKUCAK M., ÇİLESİZOĞLU N., ÇAPKIN E., CAN I., BATMAZ İ., KERİMOĞLU S., ÖNDER M. Y., KARACA A., AYAR A.  
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.94, pp.1-5, 2015 (SCI-Expanded)
- XXVIII. **Prevalence of Generalized Joint Hypermobility and Fibromyalgia Syndrome in the Children Population of Trabzon: A Turkish Study**  
BARCAK O. F., KARKUCAK M., ÇAPKIN E., KARAGÜZEL G., DİLBER B., Dedeoglu S. S.  
TURKIYE FIZIKSEL TIP VE REHABILITASYON DERGISI-TURKISH JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION, vol.61, no.1, pp.6-11, 2015 (SCI-Expanded)
- XXIX. **Comparison of ASDAS and BASDAI as a measure of disease activity in axial psoriatic arthritis**  
Kilic G., Kilic E., NAS K., KARKUCAK M., ÇAPKIN E., Dagli A. Z., ÇEVİK R., Ozgocmen S.  
CLINICAL RHEUMATOLOGY, vol.34, no.3, pp.515-521, 2015 (SCI-Expanded)
- XXX. **The Prevalence and Risk Factors of Low Back Pain in the eastern Black Sea region of Turkey**  
ÇAPKIN E., KARKUCAK M., ÇAKIRBAY H., TOPBAŞ M., KARACA A., KÖSE M., GÖKMEN F.  
JOURNAL OF BACK AND MUSCULOSKELETAL REHABILITATION, vol.28, no.5, pp.783-787, 2015 (SCI-Expanded)
- XXXI. **Serum Levels of IL-17, IL-6, TNF- $\alpha$  and Disease Activity in Patients with Rheumatoid Arthritis**  
Serdaroğlu M., Devrimsel G., KÜCÜKALİ TURKYILMAZ A., ÇAPKIN E., KARKUCAK M.  
AKTUELLE RHEUMATOLOGIE, no.40, pp.1-5, 2015 (SCI-Expanded)
- XXXII. **Treatment of Ankylosing spondylitis with TNF inhibitors does not have adverse effect on results of liver function tests: a longitudinal study.**  
Çapkin E., Karkucak M., Coşar A. M., Ak E., Karaca A., Gökmen F., Budak S., Tosun M.  
INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.18, no.5, pp.548-552, 2015 (SCI-Expanded)
- XXXIII. **Ultrasonographic measurement of femoral cartilage thickness in acromegalic patients**  
KARKUCAK M., BATMAZ İ., Civan N., Kilinc F., ÇAPKIN E., Sariyildiz M. A., Garipoglu M. A., Onder M. A., ÖZÇAKAR L.  
CLINICAL RHEUMATOLOGY, vol.34, no.1, pp.157-161, 2015 (SCI-Expanded)
- XXXIV. **Ischemia-modified albumin (IMA): A novel marker of vascular involvement in Behcet's disease?**  
ÇAPKIN E., KARKUCAK M., KOLA M., KARACA A., ÇAPKIN A. A., Karahan S. C.  
JOINT BONE SPINE, vol.82, no.1, pp.68-69, 2015 (SCI-Expanded)
- XXXV. **Education and visual information improves effectiveness of ultrasound-guided local injections on shoulder pain and associated anxiety level: A Randomized controlled study**  
KARKUCAK M., ÇİLESİZOĞLU YAVUZ N., ÇAPKIN E., Batmaz İ., ÖNDER A. M., Karaca A., AYAR A.  
AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION, vol.95, no.1, pp.9-14, 2015 (SCI-Expanded)
- XXXVI. **Evaluating of choroid thickness in Ankylosing spondylitis using optical coherence tomography.**  
KOLA M., KALKIŞIM A., KARKUCAK M., TÜRK A., ÇAPKIN E., OKUTAN İ., SERDAR Ö. F., KARACA A.  
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.11, no.6, pp.12, 2015 (SCI-Expanded)
- XXXVII. **Ultrasonographic Assessment of Soft Tissues in Patients With Acromegaly**  
KOÇAK M., Civan N., KARKUCAK M., ÇAPKIN E., Garipoglu M., Can I., Karaca A., Taşdelen M., AYAR A.  
ARCHIVES OF RHEUMATOLOGY, vol.30, no.2, pp.138-143, 2015 (SCI-Expanded)
- XXXVIII. **Comorbidities in patients with psoriatic arthritis: A comparison with rheumatoid arthritis and psoriasis**  
NAS K., KARKUCAK M., DURMUS B., KARATAY S., ÇAPKIN E., KAYA A., ÇEVİK R., ÖZGÖCME N. S.

- INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.18, no.8, pp.873-9, 2015 (SCI-Expanded)
- XXXIX. **Evaluation of Choroidal Thickness in Ankylosing Spondylitis Using Optical Coherence Tomography**  
KOLA M., Kalkisim A., KARKUCAK M., TÜRK A., ÇAPKIN E., Can I., Serdar O. F., MOLLAMEHMETOGLU S., AYAR A.  
OCULAR IMMUNOLOGY AND INFLAMMATION, vol.22, no.6, pp.434-438, 2014 (SCI-Expanded)
- XL. **Arterial Stiffness and Anti-Tumor Necrosis Factor-Alpha Therapy in Ankylosing Spondylitis: Results With Long-Term Two Year-Follow-Up**  
KARKUCAK M., ÇAPKIN E., Kiris A., ŞAHİN M., KUCUKALI TURKYILMAZ A., KARACA A., GOKMEN F., AYAR A.  
ARCHIVES OF RHEUMATOLOGY, vol.29, no.4, pp.250-256, 2014 (SCI-Expanded)
- XLI. **QUALITY OF LIFE IN PSORIATIC ARTHRITIS PATIENTS-ASSOCIATION WITH DISEASE ACTIVITY AND DIAGNOSTIC DELAY TIME**  
Gokmen F., KARKUCAK M., Capkin A., Karaca A., Turkyilmaz A. K., ÇAPKIN E., Akbal A.  
NOBEL MEDICUS, vol.10, no.3, pp.52-57, 2014 (SCI-Expanded)
- XLII. **Function of the infrapatellar fat pad and advanced hoffa's disease with ossification**  
KARKUCAK M., ÇAPKIN E., OKUTAN İ., ÖNDER A. M., Küpeli A.  
TURKISH JOURNAL OF RHEUMATOLOGY, vol., pp.1-4, 2014 (SCI-Expanded)
- XLIII. **Anti TNF ? therapy and arterial stiffness in ankylosing spondylitis; results with long-term 2 year follow- up.**  
KARKUCAK M., ARSLAN E., KIRIŞ A., SAHİN M., TURKYILMAZ A., KARACA A., GÖKMEN F.  
TURKISH JOURNAL OF RHEUMATOLOGY, vol.29, no.4, pp.250-256, 2014 (SCI-Expanded)
- XLIV. **Prevalence of generalized joint hypermobility and fibromyalgia syndrome in the children population of Trabzon Turkish study**  
BARÇAK Ö., KARKUCAK M., ÇAPKIN E., KARAGÜZEL G., DİLBER B.  
TURKIYE FIZIKSEL TIP VE REHABILITASYON DERGISI-TURKISH JOURNAL OF PHYSICAL MEDICINE AND REHABILITATION, vol.61, pp.6-11, 2014 (SCI-Expanded)
- XLV. **Function of the Infrapatellar Fat Pad and Advanced Hoffa's Disease With Ossification**  
KARKUCAK M., ÇAPKIN E., Can I., Onder A. M., Kupeli A.  
ARCHIVES OF RHEUMATOLOGY, vol.29, no.2, pp.134-137, 2014 (SCI-Expanded)
- XLVI. **Relationship between pulse wave velocity and serum YKL-40 level in patients with early rheumatoid arthritis**  
Turkyilmaz A. K., DEVRİMSEL G., KIRBAS A., CICEK Y., KARKUCAK M., ÇAPKIN E., Gokmen F.  
RHEUMATOLOGY INTERNATIONAL, vol.33, no.11, pp.2751-2756, 2013 (SCI-Expanded)
- XLVII. **THE ASSOCIATION BETWEEN RADIOGRAPHIC FEATURES IN PATIENTS WITH LUMBAR SPINE DEGENERATIVE CHANGES AND BODY MASS INDEX; A PRELIMINARY STEREOLOGICAL STUDY**  
Guler M., ÇAPKIN E., Barcak O. F., KARKUCAK M., AYDIN T., Turkyilmaz A. K., Karaca A., Gokmen F., Poyraz E.  
NOBEL MEDICUS, vol.9, no.3, pp.9-13, 2013 (SCI-Expanded)
- XLVIII. **PREVALENCE OF GENERALIZED JOINT HYPERMOBILITY AND FIBROMYALGIA SYNDROME IN THE CHILDREN POPULATION OF TRABZON; TURKISH STUDY**  
KARKUCAK M., BARCAK O. F., ÇAPKIN E., DİLBER B., KARAGÜZEL G.  
ANNALS OF THE RHEUMATIC DISEASES, vol.72, pp.743, 2013 (SCI-Expanded)
- XLIX. **PLASMA LEPTIN STATUS AND THE RELATIONSHIP BETWEEN DIFFERENT MEDICAL TREATMENTS USED IN ANKYLOSING SPONDYLITIS**  
Guler M., ÇAPKIN E., KARKUCAK M., AYDIN T., Turkyilmaz A. K., Karaca A., Gokmen F., ALVER A., Poyraz E.  
NOBEL MEDICUS, vol.9, no.2, pp.109-113, 2013 (SCI-Expanded)
- L. **Ultrasonographic evaluation of the femoral cartilage thickness patients with ankylosing spondylitis.**  
KARKUCAK M.  
WEST INDIAN MEDICAL JOURNAL, vol., 2013 (SCI-Expanded)
- LI. **Associations of HLA-DRB1 alleles with anti-citrullinated protein antibody-positive and anti-citrullinated protein antibody-negative rheumatoid arthritis in northern east part of Turkey**  
Ucar F., ÇAPKIN E., KARKUCAK M., Yucel B., SÖNMEZ M., ALVER A., KAKLIKKAYA N., Tosun M., Alemdaroglu E., Solak M.  
INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.15, no.6, pp.538-545, 2012 (SCI-Expanded)

- LII. **Assessment of Neuropathic Pain in Patients with Fibromyalgia Syndrome: A Pilot Study**  
Turkyilmaz A. K., KURT E. E., ÇAPKIN E., KARKUCAK M.  
JOURNAL OF MUSCULOSKELETAL PAIN, vol.20, no.3, pp.170-176, 2012 (SCI-Expanded)
- LIII. **The relationship between plasma homocysteine level and different treatment modalities in patients with ankylosing spondylitis**  
ÇAPKIN E., KARKUCAK M., Akyuz A., ALVER A., Turkyilmaz A. K., Zengin E.  
RHEUMATOLOGY INTERNATIONAL, vol.32, no.8, pp.2349-2353, 2012 (SCI-Expanded)
- LIV. **Patients with Ankylosing Spondylitis Have Evidence of Left Ventricular Asynchrony**  
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ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES, vol.29, no.6, pp.661-667, 2012 (SCI-Expanded)
- LV. **Patients with ankylosing spondylitis have evidence of left ventricular asynchrony.**  
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- LVI. **Expert opinion and key recommendations for the physical therapy and rehabilitation of patients with ankylosing spondylitis**  
Ozgoçmen S., AKGUL O., ALTAY Z., Altindag O., Baysal O., CALIS M., ÇAPKIN E., Cevik R., Durmus B., Gur A., et al.  
INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES, vol.15, no.3, pp.229-238, 2012 (SCI-Expanded)
- LVII. **Osteitis condensans ilii in differential diagnosis of patients with chronic low back pain: a review of the literature**  
CIDEM M., ÇAPKIN E., KARKUCAK M., Karaca A.  
MODERN RHEUMATOLOGY, vol.22, no.3, pp.467-469, 2012 (SCI-Expanded)
- LVIII. **Anti-TNF-alpha therapy may not improve arterial stiffness in patients with AS: a 24-week follow-up**  
ÇAPKIN E., KARKUCAK M., Kiris A., DURMUŞ İ., KARAMAN K., Karaca A., Tosun M., AYAR A.  
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- LIX. **Anti-TNF-? therapy may not improve arterial stiffness in patients with AS: a 24-week follow-up.**  
ÇAPKIN E., KARKUCAK M., KIRIŞ A., DURMUŞ İ., KARAMAN K.  
RHEUMATOLOGY, vol.51, pp.910-914, 2012 (SCI-Expanded)
- LX. **HLA-DRB1 allele distribution and its relation to rheumatoid arthritis in eastern Black Sea Turkish population**  
Ucar F., KARKUCAK M., Alemdaroglu E., ÇAPKIN E., Yucel B., SÖNMEZ M., TOSUN M., Karaca A.  
RHEUMATOLOGY INTERNATIONAL, vol.32, no.4, pp.1003-1007, 2012 (SCI-Expanded)
- LXI. **Investigation of effects of two-different treatment modalities on nerve conduction in patients with ankylosing spondylitis**  
ÇAPKIN E., KARKUCAK M., KOSE M. M., Cakmak V. A., TURKYILMAZ A. K., TOSUN M.  
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- LXII. **Sexual function in male patients with ankylosing spondylitis**  
Ozkorumak E., KARKUCAK M., Civil F., Tiryaki A., Ozden G.  
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## Supported Projects

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## Scientific Refereeing

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## Scientific Research / Working Group Memberships

Spondiartropati çalışma grubu, TRASD, Turkey, -, 2015 - Continues

## Metrics

Publication: 164

Citation (WoS): 644

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H-Index (Scopus): 15

## Congress and Symposium Activities

ACR 2015, Attendee, California, United States Of America, 2015

16. Ulusal Romatoloji kongresi, Attendee, Antalya, Turkey, 2015

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## **Awards**

KARKUCAK M., En iyi poster 2 ödülü, TRASD, April 2014

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