

## **Prof. JALE KARAKAYA KARABULUT**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Doctorate, Hacettepe University, Sağlık Bilimleri Enst., Biyoistatistik Anabilim Dalı, Turkey 2005 - 2012

Postgraduate, Hacettepe University, Sağlık Bilimleri Enst., Biyoistatistik Anabilim Dalı, Turkey 2002 - 2005

Postgraduate, Ankara University, Institute Of Science, Turkey 2000 - 2002

Undergraduate, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey 1995 - 1999

### **Dissertations**

Doctorate, Üç yönlü ROC analizi ve ortak değişken düzeltmesi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyoistatistik (YI) (Tezli), 2012

Postgraduate, Farklı özellikteki alt grupların incelenmesinden doğan yanılığın tanı doğruluğuna etkileri, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyoistatistik (YI) (Tezli), 2005

### **Research Areas**

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

### **Academic Titles / Tasks**

Associate Professor, Hacettepe University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2001 - Continues

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

#### **I. A novel suturing technique for natural tissue repair in cystocele treatment**

Findik R. B., Doganay M., Aksakal O. S., Coskun Z. Y., KARAKAYA KARABULUT J.

BMC WOMENS HEALTH, no.1, 2024 (SCI-Expanded)

#### **II. Zero-echo time MRI: an alternative method for the diagnosis of urinary stones in children**

ÖZCAN H. N., ÖZER G., DOĞAN H. S., KARAKAYA KARABULUT J., OĞUZ B., TEKGÜL S., HALİLOĞLU M.

EUROPEAN RADIOLOGY, 2024 (SCI-Expanded)

#### **III. Liver magnetic resonance elastography and fat fraction in pediatric patients with cystic fibrosis versus healthy children**

- TAN A. A., DEMİRTAŞ D., HIZARCIOĞLU GÜLŞEN H., Karakaya J., ISIYEL E., ÖZEN H., OĞUZ B., HALİLOĞLU M., ÖZCAN H. N.  
Pediatric Radiology, vol.54, no.2, pp.250-259, 2024 (SCI-Expanded)
- IV. **Association of ocular surface and meibomian gland alterations with silicone hydrogel contact lens wear**  
Colak D., KOCABEYOĞLU S., Karakaya J., Irkec M.  
Contact Lens and Anterior Eye, vol.47, no.1, 2024 (SCI-Expanded)
- V. **Effects of nasoalveolar molding on maxillary arch dimensions and malocclusion characteristics in primary dentition patients with cleft lip and palate**  
Ocak I., AKARSU GÜVEN B., Karakaya J., Ozgur F., Aksu M.  
International Journal of Paediatric Dentistry, vol.34, no.1, pp.94-101, 2024 (SCI-Expanded)
- VI. **Effect of upper eyelid blepharoplasty on the ocular surface, tear film, and corneal microstructure**  
Aygun O., ÖZKAN ARAT Y., DİKMETAŞ Ö., Karakaya J., Baytaroglu A., Irkec M.  
Arquivos brasileiros de oftalmologia, vol.87, no.3, 2024 (SCI-Expanded)
- VII. **Psychometric properties of Fullerton Advanced Balance Scale in patients with stroke**  
Kızılkaya E., KÖSE N., Ünsal Delialioğlu S., Karakaya J., FİL BALKAN A.  
Topics in Stroke Rehabilitation, vol.31, no.2, pp.145-156, 2024 (SCI-Expanded)
- VIII. **Effect of retrobulbar prostaglandin analog injection on orbital fat in rats**  
COŞAN S., İNAM O., Kaya B., ATILLA P., ÖCAL O., ARAT A., Karakaya J., ÖZKAN ARAT Y.  
International Ophthalmology, vol.43, no.12, pp.4985-4990, 2023 (SCI-Expanded)
- IX. **Reliability and validity of the glittre activities of daily living test in fully ambulatory multiple sclerosis patients**  
Kaya G., KÖSE N., SALCI Y., ARMUTLU K., Karakaya J., Tuncer A., KARABUDAK R.  
Irish Journal of Medical Science, vol.192, no.5, pp.2379-2386, 2023 (SCI-Expanded)
- X. **Influence of video display terminal use and meibomian gland dysfunction on the ocular surface and tear neuromediators**  
Bilgic A. A., KOCABEYOĞLU S., DİKMETAŞ Ö., TAN Ç., KARAKAYA KARABULUT J., Irkec M.  
INTERNATIONAL OPHTHALMOLOGY, vol.43, no.5, pp.1537-1544, 2023 (SCI-Expanded)
- XI. **Can we identify "at-risk" children and adolescents for poor transplant outcomes in the psychosocial evaluation before solid organ transplantation? The reliability and validity study of Pediatric Transplant Rating Instrument (P-TRI) in Turkish pediatric renal transplant patients**  
Taner H. A., Sarı B. A., Baskin E., Karakaya J., Gülleroglu K. S., Kazancı N. Ö., Haberal M.  
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- XII. **A new tool supporting the diagnosis of childhood-onset Behcet's disease: venous wall thickness**  
ATALAY E., OĞUZ B., ŞENER S., ÖZCAN H. N., SAĞ E., KAYA AKCA Ü., KASAP CÜCEOĞLU M., BALIK Z., KARAKAYA KARABULUT J., KARADAĞ Ö., et al.  
RHEUMATOLOGY, vol.62, 2023 (SCI-Expanded)
- XIII. **A Novel Medical Image Enhancement Algorithm for Breast Cancer Detection on Mammography Images Using Machine Learning**  
Avcı H., Karakaya J.  
Diagnostics, vol.13, no.3, 2023 (SCI-Expanded)
- XIV. **Reliability and validity of the Turkish version of the Selective Control Assessment of the Lower Extremity (SCALE) in children with spastic cerebral palsy**  
TUNÇDEMİR M., ÜNEŞ S., KARAKAYA KARABULUT J., KEREM GÜNEL M.  
DISABILITY AND REHABILITATION, vol.45, no.1, pp.106-110, 2023 (SCI-Expanded)
- XV. **The effect of sacral massage on meconium-stained amniotic fluid and the duration of fetal descent in labor: A randomized controlled trial**  
Ulubasoglu H., Findik R. B., Keskin H. L., Ozcan D., Tekin O. M., KARAKAYA KARABULUT J.  
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.49, no.1, pp.201-208, 2023 (SCI-Expanded)
- XVI. **The comparison of COVID-19 vs seasonal influenza in children**  
Yayla B. C. C., Aykac K., Boluk O., Fidancı I., Tasar M. A., Pamuk U., Karakoc A. E., Karakaya J., ÖZSÜREKCİ Y.

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- XVII. **Investigation of anterior segment structures of the eye in Behcet's disease using in vivo confocal microscopy**  
DİKMETAŞ Ö., AYGÜN O., BÖLEK E. Ç., KOCABEYOĞLU S., KARADAĞ Ö., KARAKAYA KARABULUT J., KADAYIFÇILAR S., Irkec M.  
GRAEFES ARCHIVE FOR CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, vol.260, no.12, pp.3897-3902, 2022 (SCI-Expanded)
- XVIII. **Relationship of depression, impulsivity, distress intolerance and coping styles with maladaptive eating patterns in bariatric candidates**  
ERDEN AKI Ş. Ö., Yıldız M. I., Kamis G. Z., AYTULUN A., KARAKAYA KARABULUT J., İŞIKLI S.  
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- XIX. **The reliability, validity, and responsiveness of Cognitive Exercise Therapy Approach: Biopsychosocial Questionnaire for patients with psoriatic arthritis**  
Bulut S., KARAKAYA KARABULUT J., Oksuz S., KALYONCU U., ÜNAL E.  
RHEUMATOLOGY INTERNATIONAL, vol.42, no.11, pp.1973-1981, 2022 (SCI-Expanded)
- XX. **Plasma levels of sirtuin and adiponectin in patients with primary open-angle glaucoma, exfoliative glaucoma, and healthy controls**  
Gencoglu A. Y., Irkec M., KOCABEYOĞLU S., DİKMEN Z. G., KARAKAYA KARABULUT J., Konstas A. G. P.  
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- XXI. **Elucidating the level of developmental risk in a busy paediatric practice clinic from a middle-income country**  
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CHILD CARE HEALTH AND DEVELOPMENT, vol.48, no.5, pp.781-787, 2022 (SCI-Expanded)
- XXII. **The Relationship Between Perineal Body Size, Total Vaginal Length, Apical Prolapse, and Prolapse Symptoms**  
Kinay T., Tapisiz O. L., Altinbas S. K., Kayikcioglu F., KARAKAYA KARABULUT J., Tekin O. M.  
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- XXIII. **Assessment of systemic and ocular inflammation in juvenile idiopathic arthritis via choroidal vascularity index**  
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- XXIV. **Synthetic MRI in children with tuberous sclerosis complex**  
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- XXV. **The reliability, validity, and responsiveness of Cognitive Exercise Therapy Approach-Biopsychosocial Questionnaire for patients with fibromyalgia**  
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- XXVI. **Evaluation of HSP-27, BAP1, BRAF V600E, CCR7, and PD-L1 expression in uveal melanoma on enucleated eyes and metastatic liver tumors**  
Agin A., KIRATLI H., Guresci S., BABAOĞLU B., KARAKAYA KARABULUT J., Soylemezoglu F.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MARKERS, vol.37, pp.200-209, 2022 (SCI-Expanded)
- XXVII. **The effects of systemic aromatase inhibitors on meibomian glands and corneal structure**  
Agin A., KOCABEYOĞLU S., Gencoglu A. Y., AKSOY S., KARAKAYA KARABULUT J., Irkec M.  
EYE, vol.36, no.6, pp.1185-1193, 2022 (SCI-Expanded)
- XXVIII. **Assessment of 4DCT imaging findings of parathyroid adenomas in correlation with biochemical and histopathological findings**  
GÜMELER E., KURTULAN O., Arslan S., KARAKAYA KARABULUT J., SÖKMENSÜER C., ÜNLÜTÜRK U., Oguz K. K.,

- Karaosmanoglu A. A.  
JAPANESE JOURNAL OF RADIOLOGY, vol.40, no.5, pp.484-491, 2022 (SCI-Expanded)
- XXIX. **Developmental and Behavioral Problems of Preschool-Age Children with Chronic Rheumatic Diseases**  
Yoldas T. C., Ozdel S., KARAKAYA KARABULUT J., Bulbul M.  
JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS, vol.43, no.3, 2022 (SCI-Expanded)
- XXX. **The reliability and validity study of pediatric transplant rating instrument in Turkish renal transplant patients**  
Taner H. A., Sari B. A., Baskin E., Kazancı N. O., KARAKAYA KARABULUT J., Gulleroglu K., Soy E. H. A., Moray G., HABERAL M.  
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- XXXI. **Different Attenuation Models of Diffusion-Weighted MR Imaging for the Differentiation of Benign and Malignant Musculoskeletal Tumors**  
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- XXXII. **Effectiveness of a supervised group exercise therapy based on the biopsychosocial model introduced simultaneously with anti-TNF therapy in anti-TNF-naive patients with active ankylosing spondylitis**  
KARACA N. B., ÜNAL E., KARAKAYA KARABULUT J., KALYONCU U., KIRAZ S.  
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- XXXIII. **Comparison of two different feedback techniques for activating the transversus abdominis: An observational study**  
DÜLGER E., BİLGİN S., KARAKAYA KARABULUT J., SOYLU A. R.  
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- XXXIV. **Association of Pre-Transplant Angiopoietin-2 Index with the Risk of Acute Graft-Versus-Host Disease after Hematopoietic Stem Cell Transplantation**  
SATIRER Ö., Zeytin I. C., Alkan B., KARAKAYA KARABULUT J., ÇETINKAYA F. D., OKUR F. V.  
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- XXXV. **Reduced myelin in patients with isolated hippocampal sclerosis as assessed by SyMRI.**  
PARLAK Ş., ÇOBAN ÇİFÇİ G., GÜMELER E., KARAKAYA KARABULUT J., Soylemezoglu F., TEZER FİLİK F. İ., BİLGİNER B., SAYGI S., Oguz K. K.  
Neuroradiology, vol.64, no.1, pp.99-107, 2022 (SCI-Expanded)
- XXXVI. **Reliability and Validity of the Turkish Version of the Selective Control of the Upper Extremity Scale in Children with Cerebral Palsy**  
TUNÇDEMİR M., KARAKAYA KARABULUT J., KEREM GÜNEL M.  
PHYSICAL & OCCUPATIONAL THERAPY IN PEDIATRICS, vol.42, no.1, pp.99-112, 2021 (SCI-Expanded)
- XXXVII. **AI-Based Quantitative CT Analysis of Temporal Changes According to Disease Severity in COVID-19 Pneumonia**  
ARDALI DÜZGÜN S., DURHAN G., DEMİRKAZIK F., IRMAK İ., KARAKAYA KARABULUT J., AKPINAR E., GÜLSÜN AKPINAR M., İNKAYA A. Ç., ÖCAL S., TOPELİ İSKİT A., et al.  
JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY, vol.45, no.6, pp.970-978, 2021 (SCI-Expanded)
- XXXVIII. **Diffusion-weighted imaging for the differentiation of Ewing sarcoma from osteosarcoma**  
PARLAK Ş., ERGEN F. B., Yuksel G. Y., KARAKAYA KARABULUT J., AYDIN G. B., KÖSEMEHMETOĞLU K., AYDINGÖZ Ü.  
SKELETAL RADIOLOGY, vol.50, no.10, pp.2023-2030, 2021 (SCI-Expanded)
- XXXIX. **Comparison of the Parents' Evaluation of Developmental Status and Ages and Stages Questionnaire Developmental Screening Tests in a Eurasian Country**  
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JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS, vol.42, no.6, pp.450-456, 2021 (SCI-Expanded)
- XL. **Magnetic resonance imaging findings of invasive breast cancer in different histological grades and different histopathological types**

- DURHAN G., POKER A., Settarzade E., KARAKAYA KARABULUT J., KÖSEMEHMETOĞLU K., GÜLSÜN AKPINAR M., DEMİRKAZIK F.  
CLINICAL IMAGING, vol.76, pp.98-103, 2021 (SCI-Expanded)
- XLI. **Risk factors for recurrent pulmonary exacerbation in idiopathic pulmonary hemosiderosis**  
Hızal M., Eryılmaz Polat S., RAMASLI GÜRSOY T., Ozsezen B., Ademhan Tural D., KARAKAYA KARABULUT J., EMİRALİOĞLU N., PEKCAN S., Tana Aslan A., Yalcin E., et al.  
PEDIATRIC PULMONOLOGY, vol.56, no.5, pp.1060-1068, 2021 (SCI-Expanded)
- XLII. **Motor repertoire is age-inadequate in infants with cystic fibrosis**  
TEKERLEK H., MUTLU A., İNAL İNCE D., LİVANELİOĞLU A., Kahraman A., Eryılmaz-Polat S., KARAKAYA KARABULUT J., Ozcelik U.  
PEDIATRIC RESEARCH, vol.89, no.5, pp.1291-1296, 2021 (SCI-Expanded)
- XLIII. **Postural instability in children with severe inner ear malformations: Characteristics of vestibular and balance function**  
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- XLIV. **Evaluation of binary diagnostic tests accuracy for medical researches**  
KARAKAYA KARABULUT J.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.46, no.2, pp.103-113, 2021 (SCI-Expanded)
- XLV. **Does Internal Mammary Node Irradiation for Breast Cancer Make a Significant Difference to the Diameter of the Internal Mammary Artery? Correlation with Computed Tomography**  
DURHAN G., ERDEMİR A. G., Sari S., GÜLTEKİN M., KARAKAYA KARABULUT J., GÜLSÜN AKPINAR M., ÖZYİĞİT G., YILDIZ F., DEMİRKAZIK F.  
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- XLVI. **Turkish validation of the maternal responsiveness global rating scale in slow-to-talk toddlers**  
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TURKISH JOURNAL OF PEDIATRICS, vol.62, no.5, pp.802-811, 2020 (SCI-Expanded)
- XLVII. **Do early parental postnatal depression, attachment style and perceived social support affect neurodevelopmental outcomes of premature infants?**  
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- XLVIII. **Cross-cultural adaptation, validity, and reliability of Turkish version of Identification of Functional Ankle Instability (IdFAI) scale**  
Tayfur A., Sendil A., KARAKAYA KARABULUT J., ERGUN N.  
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- XLIX. **Choroidal vascularity index as a biomarker of systemic inflammation in childhood Polyarteritis Nodosum and adenosine deaminase-2 deficiency**  
Baytaroglu A., KADAYIFÇILAR S., Agin A., DELİKTAŞ Ö., DEMİR S., BİLGİNER Y., KARAKAYA KARABULUT J., ÖZEN S., Eldem B.  
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- L. **Scintigraphic evaluation of renoprotective effects of coenzyme Q10 in a rat renal ischemia-reperfusion injury**  
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NUCLEAR MEDICINE COMMUNICATIONS, vol.40, no.10, pp.1011-1021, 2019 (SCI-Expanded)
- LI. **Challenges in Differentiating Pediatric Autoimmune CNS Diseases with Similar Clinical and Imaging Phenotypes Reply**  
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AMERICAN JOURNAL OF NEURORADIOLOGY, vol.40, no.10, 2019 (SCI-Expanded)
- LII. **Multivariate Analysis of Risk Factors Predisposing to Kinesiophobia in Persons With Chronic Low Back and Neck Pain**  
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- JOURNAL OF MANIPULATIVE AND PHYSIOLOGICAL THERAPEUTICS, vol.42, no.8, pp.565-571, 2019 (SCI-Expanded)
- LIII. **MRI Predictors of Recurrence and Outcome after Acute Transverse Myelitis of Unidentified Etiology**  
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- LIV. **Upper airway features of unilateral cleft lip and palate patients in different growth stages**  
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- LV. **Brain MRI Findings in Pediatric-Onset Neuromyelitis Optica Spectrum Disorder: Challenges in Differentiation from Acute Disseminated Encephalomyelitis**  
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- LVI. **High-intensity inspiratory muscle training in bronchiectasis: A randomized controlled trial**  
 ÖZALP O., Inal-Ince D., ÇAKMAK A., Calik-Kutukcu E., SAĞLAM M., Savci S., Vardar-Yagli N., Arikhan H., Karakaya J., Coplu L.  
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- LVII. **Behcet uveitis: comparison of patients presented in 1990s and 2000s.**  
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- LVIII. **The effect of stabilization exercises on diaphragm muscle thickness and movement in women with low back pain**  
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- LIX. **Response to "The Association of Chronic Topical Prostaglandin Analog Use With Meibomian Gland Dysfunction: Comment"**  
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- LX. **A histopathological investigation of Tenon's capsule in diabetic eyes**  
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- LXI. **Do Histopathological Features and Microcalcification Affect the Elasticity of Breast Cancer?**  
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- LXII. **Rapid lung magnetic resonance imaging in children with pulmonary infection: reply to Sodhi et al.**  
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- LXIII. **Magnetic resonance imaging of pulmonary infection in immunocompromised children: comparison with multidetector computed tomography.**  
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- LXIV. **PLACENTAL ELASTICITY AND HISTOPATHOLOGICAL FINDINGS IN NORMAL AND INTRA-UTERINE GROWTH RESTRICTION PREGNANCIES ASSESSED WITH STRAIN ELASTOGRAPHY IN EX VIVO PLACENTA**  
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- LXV. **Mercury concentration in maternal serum, cord blood, and placenta in patients with amalgam dental fillings: effects on fetal biometric measurements**  
 FINDIK R. B., Celik H. T., ERSOY A. O., TASCI Y., MORALOGLU O., Karakaya J.  
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