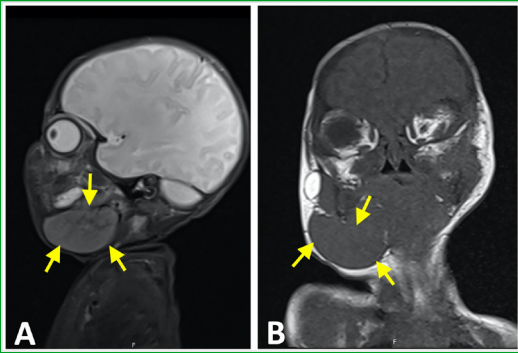




# BEZMİÂLEM science

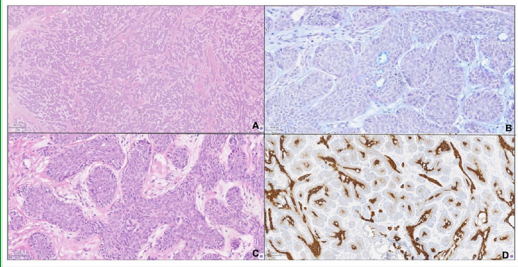


## **Trichoblastoma in a Newborn: A Case Report**

Mehmet Said KÖPRÜLÜ, Cansu ERDENER ÇELİKTÜRK, Dicle TAMER TÜRK, Fulya ÖZ PUYAN, Mustafa İNAN: Edirne

## **Enhancing Diagnostic Accuracy of Adnexal Masses: the Prognostic Value of Systemic Immune-Inflammatory Index in Conjunction with CA125**

Büşra KÖRPE, Caner KÖŞE, Samet Kutluay ERGÖRÜN, Vakkas KORKMAZ, Hüseyin Levent KESKİN, Yaprak ENGİN ÜSTÜN: Ankara



## **The Impact of Preoperative Negative Overjet Amount on Postoperative Patient Satisfaction and Quality of Life in Orthognathic Surgery Patients with Skeletal Class III Malocclusion**

Emine Fulya AKKOYUN, Taha PERGEL, Güniz KAŞARCIÖĞLU, Doğan DOLANMAZ, Ahmet ÇETİN: İstanbul

## **The Relationship of Tumor Marker Panel with Tumor Size and Histopathological Results in Borderline Ovarian Tumor**

Canan SATIR ÖZEL, Eda GÜNER ÖZEN, Oğuz Devrim YARDIMCI, Ergül DEMİRÇİVİ, Abdulkadir TURGUT: İstanbul, İzmir

## **The Role of 4D-CT in Hyperparathyroidism with Negative Scintigraphy: Identifying Causes of Diagnostic Challenges**

Ayşe KEVEN, Ahmet Faruk GÜRBÜZ, Gökhan ARSLAN: Antalya

Volume 13 • Issue 2 • April 2025

bezmialemscience.org



## Editor in Chief

### Adem AKÇAKAYA

Department of General Surgery, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** drakcakaya@gmail.com

**ORCID:** 0000-0003-3116-7033

## Associate Editors

### Fahri AKBAŞ

Department of Medical Biology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** fakbas@bezmialem.edu.tr

**ORCID:** 0000-0002-3837-250X

### Atilla AKDEMİR

Department of Pharmacology, İstinye University Faculty of Pharmacy, İstanbul, Türkiye

**E-mail:** atilla.akdemir@istinye.edu.tr

**ORCID:** 0000-0001-8416-0471

### Fadlullah AKSOY

Department of Otorhinolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** aksoyfad@hotmail.com

**ORCID:** 0000-0003-2293-5520

### İbrahim AYDOĞDU

Department of Pediatric Surgery, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** draydogdu@yahoo.com

**ORCID:** 0000-0001-7900-8598

### Muhammed Batuhan AYIK

Department of Psychiatry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** batuhan.ayik@bezmialem.edu.tr

**ORCID:** 0000-0002-9322-2336

### Simona CAVALU

School of Medicine and Pharmacy, University of Oradea, Oradea, Romania

**E-mail:** simona.cavalu@gmail.com

**ORCID:** 0000-0001-7810-8925

### Hayrettin DAŞKAYA

Department of Anesthesiology and Reanimation, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** h.daskaya@gmail.com

**ORCID:** 0000-0002-0155-1387

### Remzi DOĞAN

Department of Otorhinolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** dr.remzidogan@gmail.com

**ORCID:** 0000-0001-5627-1342

### Bülent DURDU

Department of Infectious Diseases and Clinical Microbiology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** bulentdurdurdu@gmail.com

**ORCID:** 0000-0002-0244-4006

### Ayşe Filiz GÖKMEN KARASU

Department of Gynecology and Obstetrics, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** afgokmen@gmail.com

**ORCID:** 0000-0001-7480-4691

### Mehmet Ali GÜLTEKİN

Department of Radiology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

**E-mail:** mgultekin@bezmialem.edu.tr

**ORCID:** 0000-0001-7311-6969

### Mehmet Burak GÜNEŞER

Department of Endodontics, Bezmialem Vakıf University School of Dentistry, İstanbul, Türkiye

**E-mail:** mbguneser@bezmialem.edu.tr

**ORCID:** 0000-0003-0896-777X

### Deniz KARA

Department of Orthopaedics and Traumatology, Washington University, Louis, USA

**E-mail:** dkara@email.wustl.edu

**ORCID:** 0000-0003-1515-3600

## Özlem KARA

Department of Endodontics, Bezmialem Vakıf University  
School of Dentistry, İstanbul, Türkiye  
**E-mail:** okara@bezmialem.edu.tr  
**ORCID:** 0000-0002-9878-3917

## Muharrem KISKAÇ

Department of Internal Medicine, Bezmialem Vakıf University  
School of Medicine, İstanbul, Türkiye  
**E-mail:** muharremkiskac@gmail.com  
**ORCID:** 0000-0003-2534-2675

## Çağla KIZILARSLAN HANÇER

Department of Pharmaceutical Botany, Bezmialem University  
Faculty of Pharmacy, İstanbul, Türkiye  
**E-mail:** c.kizilarслан@gmail.com

## Abdurrahim KOÇYİĞİT

Department of Medical Biochemistry, Bezmialem University  
Faculty of Medicine, İstanbul, Türkiye  
**E-mail:** akocyigit@bezmialem.edu.tr

## Alis KOSTANOĞLU

Department of Physiotherapy and Rehabilitation, Bezmialem  
Vakıf University School of Health Science, İstanbul, Türkiye  
**E-mail:** aliskostanoglu@gmail.com  
**ORCID:** 0000-0002-6912-9836

## Sedat MEYDAN

Department of Medical Anatomy, Bezmialem Vakıf University  
School of Medicine, İstanbul, Türkiye  
**E-mail:** smeydan@bezmialem.edu.tr  
**ORCID:** 0000-0002-1393-3235

## Özlem SU KÜÇÜK

Department of Dermatology, Bezmialem Vakıf University  
School of Medicine, İstanbul, Türkiye  
**E-mail:** ozlemsukucuk2@yahoo.com.tr  
**ORCID:** 0000-0002-1140-9261

## Pınar SOYSAL

Bezmialem Vakıf University, Faculty of Medicine, Department  
of Geriatric Medicine, İstanbul, Türkiye  
**E-mail:** psoysal@bezmialem.edu.tr  
**ORCID:** 0000-0002-6042-1718

## Bahadır TAŞLIDERE

Department of Emergency Medicine, Bezmialem Vakıf  
University School of Medicine, İstanbul, Türkiye  
**E-mail:** btaslidere@bezmialem.edu.tr  
**ORCID:** 0000-0002-5920-8127

## Ali UZUNKÖY

Department of General Surgery, Harran University Faculty of  
Medicine, Şanlıurfa, Türkiye  
**E-mail:** aliuzunkoy@yahoo.com  
**ORCID:** 0000-0002-1857-4681

## Section Editors

### Fatma Betül AKÇAKAYA

Department of Public Health, Bezmialem Vakıf University  
School of Medicine, İstanbul, Türkiye  
**E-mail:** fakcakaya@bezmialem.edu.tr  
**ORCID:** 0000-0003-0079-6574

### Aclan ÖZDER

Department of Family Medicine, Bezmialem Vakıf University  
School of Medicine, İstanbul, Türkiye  
**E-mail:** aozder@bezmialem.edu.tr  
**ORCID:** 0000-0003-2254-1812

## Biostatistics Consultant

### Ömer UYSAL

Department of Biostatistics and Medicine Informatics, Division  
of Basic Medical Sciences, Bezmialem Vakıf University School  
of Medicine, İstanbul, Türkiye  
**E-mail:** omer.uyosal@iuc.edu.tr  
**ORCID:** 0000-0002-8833-697X

## Scientific Board

### Anne-Catherine ANDRES

Department of Clinical Research, University of Bern School of  
Medicine, Switzerland

### Amrita BANERJEE

Department of Pharmaceutical Sciences, North Dakota State  
University School of Pharmacy, Fargo, ND, USA  
**ORCID:** 0000-0002-1977-4685

### Gökçen BAŞARANOĞLU

Department of Anesthesiology and Reanimation, Bezmialem  
Vakıf University School of Medicine, İstanbul, Türkiye

### Artur BEKE

Department of Obstetrics and Gynecology, Semmelweis  
University, Budapest, Hungary

## Ahmet BELCE

Department of Biochemistry, Biruni University School of Medicine, İstanbul, Türkiye  
**ORCID:** 0000-0002-1228-7999

## Ufuk ÇAKATAY

Department of Biochemistry, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

## Yeter DEMİR

Department of Healthcare Management, İstanbul Medipol University Faculty of Health Sciences, İstanbul, Türkiye

## İrem Yağmur DİKER

Department of Molecular Biology and Genetics, Bezmialem Vakıf University, İstanbul, Türkiye

## Özlem DURMAZ

Department of Pediatric Gastroenterology, Hepatology and Nutrition, İstanbul University School of Medicine, İstanbul, Türkiye

## Atilla EROĞLU

Department of Thoracic Surgery, Atatürk University School of Medicine, Erzurum, Türkiye

## Mukkades EŞREFOĞLU

Department of Histology and Embryology, Bezmialem Vakıf University, İstanbul, Türkiye

## Joachim FANDREY

Department of Physiology, Duisburg University School of Medicine, Duisburg, Germany  
**ORCID:** 0000-0001-9585-0531

## Max GASSMAN

Department of Veterinary Physiology, Institute of Veterinary Physiology, University of Zurich, Zurich, Switzerland

## Renate GAY

Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

## Steffen GAY

Department of Rheumatology, University of Zurich School of Medicine, Zurich, Switzerland

## Klaus W. GRAETZ

Department of Cranio-Maxillo-Facial and Oral Surgery, Zurich University School of Medicine, Zurich, Switzerland

## Ülkan KILIÇ

Department of Medical Biology, University of Health Science Türkiye School of Medicine, İstanbul, Türkiye

## İsmet KIRPINAR

Department of Psychiatry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

## Abdürrahim KOÇYİĞİT

Department of Medical Biochemistry, Bezmialem Vakıf University, İstanbul, Türkiye

## Tufan KUTLU

Department of Pediatric Gastroenterology and Hepatology, İstanbul University-Cerrahpaşa, Cerrahpaşa School of Medicine, İstanbul, Türkiye

## Thomas A. LUTZ

Department of Veterinary Physiology, University of Zürich School of Medicine, Zurich, Switzerland

## Martina MUCKENTHALER

Clinic of Pediatric Oncology, University Medical Center of Schleswig-Holstein, Heidelberg, Germany  
**ORCID:** 0000-0002-3778-510X

## Hayat ÖNYÜKSEL

Department of Biopharmaceutical Sciences, UIC Faculty of Pharmacy, Illinois, USA

## Orhan ÖZTURAN

Department of Otolaryngology, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

## Şahabettin SELEK

Department of Medical Biochemistry, Bezmialem Vakıf University School of Medicine, İstanbul, Türkiye

## Suhair SUNOQROT

Department of Pharmacy, Al-Zaytoonah University of Jordan School of Pharmacy, Amman, Jordan

## Claudio T. SUPURAN

Department Neuropharma, University of Florence School of Medicine, Firenze, Italy  
**ORCID:** 0000-0003-4262-0323

## Arzu TEZVERGİL MUTLUAY

Department of Prosthetic, University of Turku School of Medicine, Turku, Finland  
**ORCID:** 0000-0003-0932-8531



# BEZMİÂLEM science

## Gülaçtı TOPÇU

Dean of the Faculty of Pharmacy, Bezmialem Vakıf University, İstanbul, Türkiye

## Oliver ULRICH

Department of Anatomy, University of Zurich School of Medicine, Zurich, Switzerland

## Yener YÖRÜK

Department of Thoracic Surgery, Trakya University School of Medicine, Edirne, Türkiye

## Jie ZHOU

Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

---

Please refer to the journal's webpage (<https://www.bezmialemscience.org/>) for "Aims and Scope", "Instructions to Authors" and "Ethical Policy".

The editorial and publication process of Bezmialem Science are shaped in accordance with the guidelines of ICMJE, WAME, CSE, COPE, EASE, and NISO. The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing.

Bezmialem Science is indexed in **Web of Science-Emerging Sources Citation Index, TUBITAK ULAKBIM, EBSCO, Gale, Embase, CABI, ProQuest, CINAHL, Türk Medline, Türk Atıf Dizini, İdealOnline, J-Gate, DOAJ, Hinari, GOALI, ARDI, OARE, AGORA** and CNKI.

The journal is published electronically.

**Owner:** Bezmialem Vakıf University

**Responsible Manager:** Adem AKÇAKAYA

## CONTENTS

### Original Articles

- 88 Enhancing Diagnostic Accuracy of Adnexal Masses: The Prognostic Value of Systemic Immune-inflammatory Index in Conjunction with CA125  
Büşra KÖRPE, Caner KÖSE, Samet Kutluay ERGÖRÜN, Vakkas KORKMAZ, Hüseyin Levent KESKİN, Yaprak ENGİN ÜSTÜN; Ankara, Türkiye
- 94 The Effect of Hemodialysis Patients' Attitudes Towards Dietary Treatment on Dialysis Symptoms: A Randomized Controlled Clinical Study  
Dilan AKTEPE COŞAR, Hatice DEMİRAĞ; Gümüşhane, Türkiye
- 103 Impact of Compassion Fatigue on Care Behaviors in Intensive Care Nurses  
Seher GÜRDİL YILMAZ, Gamze BOZKUL, Gülay ALTUN UĞRAŞ, Havva DOĞAN, Hamdi Furkan KALEM; Mersin, Türkiye
- 110 The Impact of Preoperative Negative Overjet Amount on Postoperative Patient Satisfaction and Quality of Life in Orthognathic Surgery Patients with Skeletal Class III Malocclusion  
Emine Fulya AKKOYUN, Taha PERGEL, Güniz KAŞARCIÖĞLU, Doğan DOLANMAZ, Ahmet ÇETİN; İstanbul, Türkiye
- 117 Evaluation of Maxillary Sinus Pathology, Concha Bullosa and Ostium Obstruction in Cleft Lip and Palate Using Cone-beam Computed Tomography  
Hazal DUYAN YÜKSEL, Berkhas TUMANİ ÜSTDAL, Burcu EVLİCE; Adana, Türkiye
- 123 The Relationship of Tumor Marker Panel with Tumor Size and Histopathological Results in Borderline Ovarian Tumor  
Canan SATIR ÖZEL, Eda GÜNER ÖZEN, Oğuz Devrim YARDIMCI, Ergül DEMİRÇİVİ, Abdulkadir TURGUT; İstanbul, İzmir, Türkiye
- 129 The Relationship Between Thirst Distress and Severity and Compliance with Fluid Control and Interdialytic Weight Gain in Hemodialysis Patients  
Aynur CİN, Hatice DEMİRAĞ, Buket DAŞTAN, Sevilay HİNTİSTAN; Gümüşhane, Bayburt, Trabzon, Türkiye
- 139 The Role of 4D-CT in Hyperparathyroidism with Negative Scintigraphy: Identifying Causes of Diagnostic Challenges  
Ayşe KEVEN, Ahmet Faruk GÜRBÜZ, Gökhan ARSLAN; Antalya, Türkiye
- 148 Prevalence of Dental Anomalies in a Sample of Turkish Children: A Retrospective Study  
Pınar SERDAR EYMİRLİ, Sevilay KARAHAN, Emel UZUNOĞLU ÖZYÜREK; Ankara, Türkiye
- 155 The Efficacy of Acupressure Therapy on Chronic Mechanic Low Back Pain  
Maimaiti ROUZİ, Murat BİRTANE, Nurettin TAŞTEKİN, Kaan UZUNCA, Galip EKUKLU, Enis ULUÇAM; Edirne, Türkiye
- 162 Analysis of Patients Admitted to the Orthopedic Clinic from the Emergency Department  
Mustafa ALPASLAN, Necmi BAYKAN; Nevşehir, Kayseri, Türkiye

## CONTENTS

---

### Case Report

170

Trichoblastoma in a Newborn: A Case Report

Mehmet Said KÖPRÜLÜ, Cansu ERDENER ÇELİKTÜRK, Dicle TAMER TÜRK, Fulya ÖZ PUYAN, Mustafa İNAN; Edirne, Türkiye

---

### Review

173

Surgery in Geriatric Oncology

Adem Akçakaya; İstanbul, Türkiye

---

## EDITORIAL

### Dear Readers;

We are with you with a new issue in the second issue of 2025. An important indicator of starting scientific studies at an early age is student congresses and the papers presented here. In addition to the traditional medical school student congress we organized this year, we are happy to have the congress of our dentistry students and the papers presented there collected in a new issue. Our publication quality increases every day with the numerous articles sent to our journal.

In this issue, we chose the cover image from the article "Köprülü MS, Erdener Çeliktürk C, Tamer Türk D, Öz Puyan F, İnan M. Trichoblastoma in a Newborn: A Case Report."

A rare case of Trichoblastoma is presented in this article. Trichoblastoma is a benign skin tumor originating from the hair germ, the precursor of the hair follicle. It is most commonly seen on the scalp and face. Trichoblastoma formation is quite rare in the pediatric population. A 10-day-old male newborn was admitted with a swelling in the right submandibular region that had been present since birth. Physical examination revealed a painless, firm, and mobile mass measuring approximately 3 cm in size in the right submandibular region. Magnetic resonance imaging was consistent with a well-defined mass with diffuse contrast enhancement. Tru-cut biopsy showed that the tumor consisted of epithelial and myoepithelial components. Total mass excision was performed and the final pathological report was trichoblastoma. Our editorial board found it appropriate to include the picture of this case on the cover as it reminds us to keep trichoblastoma in mind in newborns presenting with a neck mass.

Other featured articles are as follows:

"Trichoblastoma in a Newborn: A Case Report" by Köprülü et al.,

"Enhancing Diagnostic Accuracy of Adnexal Masses: The Prognostic Value of Systemic Immune-Inflammatory Index in Conjunction with CA125" by Körpe et al.,

"The Impact of Preoperative Negative Overjet Amount on Postoperative Patient Satisfaction and Quality of Life in Orthognathic Surgery Patients with Skeletal Class III Malocclusion" by Akkoyun et al.,

"The Relationship of Tumor Marker Panel with Tumor Size and Histopathological Results in Borderline Ovarian Tumor" by Satır Özel et al.,

"The Role of 4D-CT in Hyperparathyroidism with Negative Scintigraphy: Identifying Causes of Diagnostic Challenges" by Keven et al.

This issue is again the product of a labor-intensive effort. I would like to thank my assistant editors, referees and publishing house that have contributed to the preparation of this issue, and to our valued readers have always supported us.

I wish you all the best...

Sincerely,

**Prof. Dr. Adem AKÇAKAYA**  
Editor in Chief