



INTERNATIONAL JOURNAL OF MEDICAL BIOCHEMISTRY

YEAR 2018 VOLUME I ISSUE I



ORIGINALS

The relationship between vitamin D status and graft function in renal transplant recipients
Karatay Erdem B, et al.

Ischemia-modified albumin level in vitamin D deficiency
Arslan FD, et al.

Relationship between glycemic control and serum uric acid level in acute myocardial infarction
Levent Cirakli Z, et al.

Relationship between red blood cell distribution width and schizophrenia
Ayyildiz H, et al.

Pre-analytical stability of 25-hydroxy vitamin D in human serum
Bozkurt B, et al.

Relationship between C-reactive protein, systemic immune-inflammation index, and routine hemogram-related inflammatory markers in low-grade inflammation
Ustundag Y, et al.

Comparison of measured ethanol and calculated ethanol using osmolal gap and osmolarity formulas
Guney Boru E, et al.

The importance of measuring the uncertainty of second-generation total testosterone analysis
Ayyildiz SN, et al.

CASE REPORT

Unexpected laboratory results in cold agglutinin disease
Yasar NE, et al.

INVITED REVIEW

Is soluble ST2 a new marker in heart failure?
Konukoglu D





INTERNATIONAL JOURNAL OF MEDICAL BIOCHEMISTRY

ISSN 2587-2362

EDITOR-IN-CHIEF DILDAR KONUKOGLU

Istanbul University, Cerrahpaşa Faculty of Medicine

ASSOCIATE EDITORS NECIP ILHAN

Firat University, Faculty of Medicine

ASIM OREM

Karadeniz Technical University, Faculty of Medicine

EDITORIAL ASSISTANT CUNEYT CANBULAT

General Manager of KBUDEK External Quality Control Programme

PUBLISHING MANAGER DILDAR KONUKOGLU

Istanbul University, Cerrahpaşa Faculty of Medicine

PUBLISHING MANAGER ASSISTANT FIKRET TALU

Secretary of Association of Clinical Biochemistry Specialists

SCIENTIFIC ADVISORY BOARD

KHOSROW ADELI, Canada

EVİN ADEMOĞLU, İstanbul

HALİDE AKBAS, Antalya

ANGELO AZZI, USA

ETIENNE CAVALIER, Belgium

KAYA EMERK, İstanbul

KYM FRANCIS FAULL, USA

UZAY GÖRMÜŞ DÉGRIGO, İstanbul

NEVIN İLHAN, Elazığ

FERRUH K. ISMAN, İstanbul

HUSEYİN KAYADIBİ, Corum

GABOR L. KOVACS, Hungary

MİNE KUCUR, İstanbul

İSHAK OZEL, Zonguldak

MAURO PANTEGHINI, Milano

JORGE SEPULVEDA, New York

MUHITTİN SERDAR, İstanbul

ANA-MARIA SIMUNDIC, Croatia

DOUGLAS THOMPSON, UK

TOMRIS OZBEN TOMASI, Antalya

TURAN TURHAN, Ankara

SUKRU ULUSOY, Trabzon

ALEXANDER ZOUGMAN, UK

VOLUME I ISSUE I YEAR 2018

The Owner and Publishing Manager on behalf of
the Association of Clinical Biochemistry Specialists
(Klinik Biyokimya Uzmanları Derneği)

PROF. DILDAR KONUKOGLU
Address: Maslak Mah. AOS 55. Sok. No: 2, 42 Maslak A
Phone: Blok Daire: 231 Sarıyer, İstanbul-Turkey
Fax: +90 212 241 26 53
e-mail: +90 212 241 26 54
web: www.kbud.org.tr
info@kbud.org.tr

International Journal of Medical Biochemistry is a peer-reviewed journal published triannually.
Materials published in the Journal is covered by copyright 2018. All rights reserved.
This publication is printed on paper that meets the international standard ISO 9706:1994.
National Library of Medicine (USA) recommends the use of permanent, acid-free paper in the production of biomedical literature.



Publisher: KARE PUBLISHING
Address: Altayçeşme Mah. Engin Sok. No: 3
K 4, Da: 20, Maltepe, İstanbul
Phone: +90 216 550 61 11
Fax: +90 212 550 61 12
e-mail: info@karepb.com
web: www.kareyayincilik.com

Yayın Tarihi: Uluslararası Suresli
Basım Tarihi: Ocak 2018
Basım Adedi: 1000
Basım Yıldırım Matbaacılık, İstanbul
Tel: +90 212 629 80 37



CONTENTS VOLUME I ISSUE I YEAR 2018

Editorial

Konukoglu D.....x

History

Konukoglu D.xi

ORIGINAL ARTICLES

The relationship between vitamin D status and graft function in renal transplant recipients

Karatoy Erdem B, Taner Yilmaz V, Suleymanlar G, Ozcan F, Baykal Ataman A, Akbas H.....I

Ischemia-modified albumin level in vitamin D deficiency

Arslan F. D, Karakoyun I, Baysoy A, Onur S, Isbilen Basok B, Colak A, Duman C.6

Relationship between glycemic control and serum uric acid level in acute myocardial infarction

Cirakli Z. L, Neijmann S. T, Kural A, Isiksacan N, Gedikbasi A, Erdin S.II

Relationship between red blood cell distribution width and schizophrenia

Ayyildiz H, Karabulut N, Kalayci M.15

Pre-analytical stability of 25-hydroxy vitamin D in human serum

Bozkurt B, Ercan M, Yazar H, Hurmeydan O.20

Relationship between C-reactive protein, systemic immune-inflammation index, and routine hemogram-related inflammatory markers in low-grade inflammation

Ustundag Y, Huysal K, Karadağ Geçgel S, Unal D.24

Comparison of measured ethanol and calculated ethanol using osmolal gap and osmolarity formulas

Guney Boru E, Turhan T, Yuclu D.29

The importance of measuring the uncertainty of second-generation total testosterone analysis

Ayyildiz S. N.34

CASE REPORT

Unexpected laboratory results in cold agglutinin disease

Yasar N. E, Ozgenc A, Bolayirli I. M, Adiguzel M, Konukoglu D.40

INVITED REVIEW

Is soluble ST2 a new marker in heart failure?

Konukoglu D.44