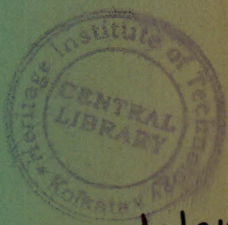




Indian Journal of Clinical Biochemistry

Association of
Clinical Biochemists of India



02/2/24
SB

For Circulation in India only

Submit manuscripts at:
www.editorialmanager.com/ijcb

 Springer



Indian Journal of Clinical Biochemistry

12291

Official Journal of the Association of Clinical Biochemists of India

EDITORIAL

Artificial Intelligence in Clinical Chemistry: Dawn of a New Era?

P. Mitra · S. Gupta · P. Sharma 405

REVIEW ARTICLES

Metabolic and Genetic Association of Vitamin D with Calcium Signaling and Insulin Resistance

N. Tarfeen · K.U. Nisa · M.B. Ahmad · A.A. Waza · B.A. Ganai 407

Mosaic Recombination Inflicted Various SARS-CoV-2 Lineages to Emerge into Novel Virus Variants: a Review Update

P. Singh · K. Sharma · D. Shaw · A. Bhargava · S.S. Negi 418

Association Between Blood Lead Levels and Thyroid Function: An Updated Systematic Review and Meta-Analysis

R. Balachandar · A. Viramgami · B.S. Bagepally · K. Upadhyay 426

ORIGINAL RESEARCH ARTICLES

Sars-Cov2 Induced Biochemical Mechanisms in Liver Damage and Intestinal Lesions

L.V. Spirina · V.N. Masunov · D.A. Dyakov · O.E. Akbasheva · A.Y. Kebekbayeva · I.Yu. Shuvalov · N.V. Masunova · I.V. Kovaleva · Y. Dagbaeva 437

Association of Serum Complement C3 Levels with Severity and Mortality in COVID 19

S. Tomo · P. Kiran Kumar · D. Yadav · S. Sankanagoudar · J. Charan · A. Purohit · V.L. Nag · P.K. Bhatia · K. Singh · N. Dutt · M.K. Garg · S. Misra · P. Sharma · P. Purohit 447

Efficacy of Serum Anti-Mullerian Hormone (AMH) Levels for Prediction of Polycystic Ovary Syndrome (PCOS) and its Association with Clinical, Biochemical and Hormonal Parameters

S. Sumji · A. Bhat · A. Rashid · R. Bashir · I.A. Wani · V. Vasudevan · T. Sehar · Mohd.A. Ganie 457

In Vitro and in Vivo Evaluation of Dual Clofazimine and Verapamil Loaded PLGA Nanoparticles

B. Kaur · M. Kaur · P. Ahlawat · S. Sharma 466

Mid-Regional Proadrenomedullin Levels in Primary Immunodeficiencies Complicated with Pulmonary Manifestations

E. Azarsiz · N. Karaca · N. Kutukculer 475

Age- and Gender-Based Predisposition of MMP-9 -1562 C>T Genotype and Allele Frequencies with Serum MMP-9 Levels as Probable Risk Factors in Patients with Coronary Artery Disease

D. Balakrishna · B. Sowjanya · M. Prasad · R. Viswakumar 485

Correlation Between Estrogen Receptor α Gene Polymorphism (c454-397T>C) with Serum Estradiol Levels and Known Risk Factors in Patients with Myocardial Infarction

R.R. Aparna · D. Rajarajeswari · M. Prasad · T.S. Krishna · K. Ramalingam · R. Viswakumar · N. Fathima · A.A. Khan 495

Association of the Human Leptin Receptor Gene (rs1137101; Gln223Arg) Polymorphism and Circulating Leptin in Patients with Metabolic Syndrome in the Indian Population

D. Parchwani · S. Dholariya · D.D. Patel · A. Agravatt · J. Uperia · T. Parchwani · R. Singh · M. Radadiya · Y. Desai 505

Vitamin C Improves Inflammatory-related Redox Status in Hyperlipidemic Rats

R. Kumar · S.I. Rizvi 512

Reference Range of Plasma Fatty Acids in North Indian Pregnant Population

S. Thakur · A.P. Kaur · K. Singh · R. Kaur · M. Kaur · S.K. Jain 519

Expression of miR-145 and miR-18b in Peripheral Blood Samples of Head and Neck Cancer Patients

A.K. Yadav · N. Singh · S.K. Yadav · M.L.B. Bhatt · A. Pandey · D.K. Yadav · S. Yadav 528

SHORT COMMUNICATIONS

Evaluation of Expression Level of miR-3135b-5p in Blood Samples of Breast Cancer Patients Experiencing Chemotherapy-Induced Cardiotoxicity

N. Zare · N. Dana · A. Mosayebi · G. Vaseghi · S.H. Javanmard 536

Acton-Prolongatum Stimulated Blood Steroid Profile in Apparently Healthy Asian Indian Women of Reproductive-Age Group

V. Sarathi · A. Reddy · S. Tirupati · K. Jumkhawala 541

CASE REPORTS

“Liver Failure in an Infant of Late-Onset Glutaric Aciduria Type II”: Case Report

S. Keshri · A.K. Goel · J. Johns · S. Shah 545

A Novel Mutation in Cystic Fibrosis Presenting as Pseudo Bartter Syndrome: A Case Report

S. Shah · S. Jondhale · M.R. Sahoo · T. Jagzape · S. Keshri · A.K. Goel 550

Further articles can be found at <http://link.springer.com/journal/12291>

Indexed/abstracted in *PubMed, PubMedCentral, SCOPUS, EMBASE, Chemical Abstracts Service (CAS), Google Scholar, Academic OneFile, Elsevier Biobase, Expanded Academic, Index Copernicus, Indian Science Abstracts, IndMed, INIS Atomindex, MedInd, OCLC, PubMed (12 months embargo), SCImago, Summon by Serial Solutions, Zoological Record*

Instructions for Authors for *Ind J Clin Biochem* are available at <http://www.springer.com/life+sciences/biochemistry+%26+biophysics/journal/12291>

Compliance with Ethical Requirements

Indian Journal of Clinical Biochemistry requests that all authors comply with Springer's ethical policies. To view our ethics statements please visit the following:

- Conflict of Interest and Ethical Standards: <http://www.springer.com/authors?SGWID=0-111-6-791531-0>
- Informed Consent: <http://www.springer.com/authors?SGWID=0-111-6-608209-0>

Statement of Human and Animal Rights: <http://www.springer.com/authors?SGWID=0-111-6-608309-0>