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Education Information

Expertise In Medicine, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Department Of Basic Medical Sciences, Turkey 1993 - 1996

Undergraduate, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Turkey 1984 - 1990

Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2014 - Continues

Associate Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Basic Sciences, 2013 - 2014

Associate Professor, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Department Of Basic Medical Sciences, 2003 - 2013

Assistant Professor, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Department Of Basic Medical Sciences, 1998 - 2003

Expert, Gulhane Military Academy Of Medicine, Gülhane Military Faculty Of Medicine, Department Of Basic Medical Sciences, 1996 - 1998

Advising Theses

Serdar M. A. , Sıvı kromatografisi kütle spektrometresi ile serum metilmalonik asit tayini ve serum B12 vitamini, serum homosistein düzeyleriyle karşılaştırılması, Expertise In Medicine, E.İSPİR(Student), 2012

Serdar M. A. , TSK Sağlık Komutanlığı asker hastaneleri biyokimya laboratuvarları arasında dış kalite değerlendirmesi ve uyum çalışması, Expertise In Medicine, B.UCUZCU(Student), 2010

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Acibadem Mehmet Ali Aydınlar Üniversitesi, June, 2022

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Meta-analysis of hearing outcomes of chronic otitis media surgery in the only hearing ear**
Yücel L., Satar B., SERDAR M. A.
Auris Nasus Larynx, vol.49, no.3, pp.322-334, 2022 (Journal Indexed in SCI Expanded)
- II. Influence of periodontal inflammation on tryptophan-kynurenine metabolism: a cross-sectional study**

KURGAN Ş., ÖNDER C., Balci N., Akdogan N., ALTINGÖZ S. M. , SERDAR M. A. , GÜNHAN M.

CLINICAL ORAL INVESTIGATIONS, 2022 (Journal Indexed in SCI)

- III. **Increased maternal leptin levels may be an indicator of subclinical hypothyroidism in a newborn.**
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- IV. **Evaluation of salivary and serum methylated arginine metabolites and nitric oxide synthase in advanced periodontitis patients**
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- V. **Kynurenine pathway in Coronavirus disease (COVID-19): Potential role in prognosis**
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JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol.36, no.3, 2022 (Journal Indexed in SCI)
- VI. **Comparison of the modified polyacrylamide gradient gel electrophoresis and high-performance liquid chromatography methods in determining LDL size**
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TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, 2022 (Journal Indexed in SCI)
- VII. **Zinc protoporphyrin levels in COVID-19 are indicative of iron deficiency and potential predictor of disease severity.**
Kilercik M., Ucal Y., Serdar M. A. , Serteser M., Ozpinar A., Schweigert F. J.
PloS one, vol.17, no.2, 2022 (Journal Indexed in SCI Expanded)
- VIII. **THE EFFECT OF RETICULOCYTE HEMOGLOBIN CONTENT ON THE DIAGNOSIS OF IRON DEFICIENCY ANEMIA: A META-ANALYSIS STUDY**
Kilic M., ÖZPINAR A., SERTESER M., KILERCİK M., SERDAR M. A.
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- IX. **Kappa/Lambda light-chain typing in Alzheimer's Disease.**
Kaya Z. Z. , Tuzuner M. B. , Sahin B., Akgun E., Aksungar F., Koca S., Serdar M., Sahin S., Cinar N., Karsidag S., et al.
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- X. **Biological variation and reference change value data for serum copper, zinc and selenium in Turkish adult population**
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Turkish Journal of Biochemistry, vol.46, no.5, pp.587-592, 2021 (Journal Indexed in SCI)
- XI. **Evaluation of optimal urine screening and confirmation cut-off values for opiates, at a national reference laboratory**
KARAKÜKCÜ Ç., Ciraci M. Z. , Kocer D., Faydali M. Y. , SERDAR M. A.
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- XII. **A cross-sectional overview of SARS-CoV-2 genome variations in Turkey**
ERGÜNAY K., Kaya M., SERDAR M. A. , AKYÖN YILMAZ Y., YILMAZ E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, no.5, pp.491-498, 2021 (Journal Indexed in SCI)
- XIII. **Salivary and serum oxidative stress biomarkers and advanced glycation end products in periodontitis patients with or without diabetes: A cross-sectional study**
Altingoz S. M. , KURGAN Ş., ÖNDER C., SERDAR M. A. , ÜNLÜTÜRK U., Uyanik M., Baskal N., Tatakis D. N. , GÜNHAN M.
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- XIV. **A new haematocytometric index: Predicting severity and mortality risk value in COVID-19 patients.**
Kilercik M., Demirelce Ö., Serdar M. A. , Mikailova P., Serteser M.
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- XV. **Comparison of the correlation of various site transcutaneous bilirubin measurements with serum bilirubin levels at the end of phototherapy**
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- XVII. **Potential biomarkers reflecting inflammation in patients with severe periodontitis: Fractalkine (CX3CL1) and its receptor (CX3CR1)**
Balci N., Cekici A., KURGAN Ş., Sahinkaya S., SERDAR M. A.
JOURNAL OF PERIODONTAL RESEARCH, vol.56, no.3, pp.589-596, 2021 (Journal Indexed in SCI)
- XVIII. **Transcutaneous Bilirubin Levels and Risk of Significant Hyperbilirubinemia in Early-Term and Term Newborns**
Sarici S. U. , Ozcan M., Akpınar M., Altun D., Yasartekin Y., Koklu E., SERDAR M. A. , Sarici D.
JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING, vol.50, no.3, pp.307-315, 2021 (Journal Indexed in SCI)
- XIX. **Truncation limits of patient-based real-time quality control: a new model derived from between-subject biological variations**
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- XX. **Evaluation of four different HPLC devices for hemoglobinopathy screening**
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- XXI. **The effects of a novel non-invasive application of platelet-rich fibrin on periodontal clinical parameters and gingival crevicular fluid transforming growth factor-beta and collagen-1 levels: A randomized controlled clinical study**
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- XXII. **Sample size, power and effect size revisited: Simplified and practical approach in pre-clinical, clinical and laboratory studies**
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- XXIII. **Endocan (ESM-1) levels in gingival crevicular fluid correlate with ICAM-1 and LFA-1 in periodontitis**
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- XXVI. **Association of maternal serum trace elements with newborn screening-thyroid stimulating hormone**
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- XXVII. **COVID-19 laboratory biosafety guide**
Zengi O., Aykal G., Coskun C., SERDAR M. A. , YÜCEL D.
Turkish Journal of Biochemistry, vol.45, no.4, pp.461-463, 2020 (Journal Indexed in SCI)
- XXVIII. **Maternal omega-3 polyunsaturated fatty acids supplementation in pregnancy decreases MMP-1**

levels in breastmilk: a cross-sectional study

ATAN SAHIN O. N. , ÖZPINAR A., Serdar M.

JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, 2020 (Journal Indexed in SCI)

- XXIX. **Investigation of the relationship between cord clamping time and risk of hyperbilirubinemia**
Yasartekin Y, Sarici S. U. , Ozcan M., Akpınar M., Altun D., Akin A., SERDAR M. A. , Sarici D.
TURKISH JOURNAL OF PEDIATRICS, vol.62, no.5, pp.756-762, 2020 (Journal Indexed in SCI)
- XXX. **The molecular footprints of COVID-19**
Yilmaz E., AKYÖN YILMAZ Y., Serdar M. A.
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- XXXI. **An Assessment of HbA1c in Diabetes Mellitus and Pre-diabetes Diagnosis: a Multi-centered Data Mining Study.**
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Falay M., Serdar M. A. , Dalgali H., Uçar M., Dagdaş S., Özet G.
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- XXXIII. **Determining biological variation of serum parathyroid hormone in healthy adults**
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- XXXIV. **A disintegrin-like and metalloproteinase with thrombospondin-1 (ADAMTS-1) levels in gingival crevicular fluid correlate with vascular endothelial growth factor-A, hypoxia-inducible factor-1 alpha, and clinical parameters in patients with advanced periodontitis**
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- XXXV. **Meta-analytic comparison of robotic and transoral laser surgical procedures in supraglottic carcinoma.**
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- XXXVI. **A practical ID-LC-MS/MS method for the most commonly analyzed steroid hormones in clinical laboratories**
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- XXXVII. **Measurement uncertainty in laboratory medicine: the bridge between medical and industrial metrology**
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- XXXVIII. **National external quality assessment follow-up: 2010-2017 Turkish experience**
Mercan F., SERDAR M. A. , Senes M., KONUKOĞLU D., İNAL T. C. , ALATAŞ İ. Ö. , PINAR A., Savci O., Guven M., Gunduz M., et al.
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- XXXIX. **Relationship between red blood cell membrane fatty acid composition and dietary fatty acids level in obese adolescents with/without metabolic syndrome**
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- XL. **Exposure to Perchlorate in Lactating Women and Its Associations With Newborn Thyroid Stimulating Hormone**
Uçal Y., Sahin O. N. , Serdar M. A. , Blount B., Kumru P., Muhcu M., Eroglu M., Akin-Levi C., Keles Z. Z. Y. , Turam C., et

al.

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- XLII. **Transcutaneous bilirubinometry should be carried out in newborn infants at least seven hours after phototherapy finishes**
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- XLIII. **Vitamin D levels and parathyroid hormone variations of children living in a subtropical climate: a data mining study**
Sahin O. N., Serdar M. A., Serteser M., Unsal I., Özpınar A.
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Tas D., ÖNDER C., KURGAN Ş., Mammadov C., SERDAR M. A.
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- XLV. **Changes in Proinflammatory Cytokines in the Cochlea in Relation to Hearing Thresholds in Noise-Exposed Rats**
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- XLVII. **Dietary supplementation with low-dose omega-3 fatty acids reduces salivary tumor necrosis factor-alpha levels in patients with chronic periodontitis: a randomized controlled clinical study**
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- XLVIII. **Impact of non-surgical periodontal therapy on saliva and serum levels of markers of oxidative stress**
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- XLIX. **Gingival crevicular fluid tissue/blood vessel-type plasminogen activator and plasminogen activator inhibitor-2 levels in patients with rheumatoid arthritis: effects of nonsurgical periodontal therapy**
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- LV. **Macro-aspartate aminotransferase (AST): a case report**
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- LVII. **Evaluation of Clinical Parameters and Levels of Proinflammatory Cytokines in the Crevicular Fluid Around Dental Implants in Patients with Type 2 Diabetes Mellitus**
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- LIX. **Comparison of blood gas, electrolyte and metabolite results measured with two different blood gas analyzers and a core laboratory analyzer**
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- LXVII. **Investigation of Relation Between Nutrition and Insulin Resistance with Erythrocyte Membrane Fatty Acid Levels in Obese Adolescents**
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- LXVIII. **The diagnostic accuracy of the Forns index, platelet count and AST to Platelet Ratio Index derived fibrosis index for the prediction of Hepatitis C virus-related significant liver fibrosis and cirrhosis**
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