

Prof. ABDURRAHMAN COSKUN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: C-3906-2015

ScopusID: 8909290600

Yoksis Researcher ID: 139593

Education Information

Undergraduate, Istanbul University, Open And Distance Education Faculty, Philosophy, Turkey 2016 - 2022

Expertise In Medicine, Erciyes University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1996 - 2000

Undergraduate, Erciyes University, Tıp Fakültesi, Turkey 1988 - 1994

Research Areas

Biochemistry

Academic Titles / Tasks

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

Associate Professor, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, 2008 - 2014

Courses

Temel Biyokimya, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Biyokimya II, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Medical Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Tıbbi Laboratuvar Organizasyonu, Associate Degree, 2023 - 2024, 2022 - 2023

Medical Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Medical Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Tıbbi Laboratuvar Organizasyonu, Associate Degree, 2023 - 2024, 2022 - 2023

Biyokimya I, Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Medical Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Medical Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023

Advising Theses

- Coskun A., Gestasyonel diabetes mellituslu gebelerde 4-22 karbonlu yağ asitleri ve 8-hidroksi-2'-deoksiguanozin düzeylerinin değerlendirilmesi, Postgraduate, C.ARSLAN(Student), 2019
- Coskun A., Akciğer kanserinin farklı tip ve evrelerinde gebelikle ilişkili plazma protein-A (PAPP-A)'nın potansiyel bir biyobelirteç olarak kullanılabilirliğinin değerlendirilmesi, Postgraduate, İ.NUR(Student), 2019
- Coskun A., Farklı pasajlardan alınan mezenkimal kök hücre ve fibroblast hücre kültürlerinde IGF-I, IGFBP-3, IGFBP-4 ve PAPP-A düzeylerindeki değişimin araştırılması, Postgraduate, B.ÇETİNER(Student), 2015
- Coskun A., The Effect of Zinc Modified University of Wisconsin Solution on In Vitro Liver and Kidney Survival, Expertise In Medicine, İ.ETHEM(Student), 2007
- Coskun A., The Effect of Modified University of Wisconsin Solution on In Vitro Liver Survival, Expertise In Medicine, E.Çelik(Student), 2006

Jury Memberships

- Associate Professor Exam, Associate Professor Exam, Acibadem Mehmet Ali Aydınlar University, December, 2023
- Associate Professor Exam, Associate Professor Exam, Üniversitelerarası kurul başkanlığı, December, 2022
- Associate Professor Exam, Associate Professor Exam, Üniversitelerarası kurul , June, 2022
- Associate Professor Exam, Associate Professor Exam, Üniversitelerarası kurul, January, 2022
- Associate Professor Exam, Associate Professor Exam, Üniversitelerarası kurul, March, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Concept for Reference Change Values-Regression to the Population Mean.**
Jones G. R. D., Aarsand A. K., Carobene A., Coskun A., Fernandez-Calle P., Bartlett B., Diaz-Garzon J., Sandberg S.
Clinical chemistry, 2024 (SCI-Expanded)
- II. **Prediction interval: A powerful statistical tool for monitoring patients and analytical systems**
Coskun A.
BIOCHEMIA MEDICA, vol.34, no.2, pp.1-11, 2024 (SCI-Expanded)
- III. **Analytical performance specifications based on biological variation data – considerations, strengths and limitations**
Coskun A.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.62, no.3, pp.1-7, 2024 (SCI-Expanded)
- IV. **The impact of physiological variations on personalized reference intervals and decision limits: an in-depth analysis**
Coskun A., Lippi G.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.62, no.-, pp.1-12, 2024 (SCI-Expanded)
- V. **The European Biological Variation Study (EuBIVAS): Biological variation data for testosterone, follicle stimulating hormone, prolactin, luteinizing hormone and dehydroepiandrosterone sulfate in men.**
Itkonen O., Jonker N., Aarsand A. K., Sandberg S., Diaz-Garzon J., Fernandez-Calle P., Coskun A., Bartlett W. A., Locatelli M., Carobene A.
Clinica chimica acta; international journal of clinical chemistry, pp.117806, 2024 (SCI-Expanded)
- VI. **Bias in Laboratory Medicine: The Dark Side of the Moon.**
Coskun A.
Annals of laboratory medicine, vol.44, no.1, pp.6-20, 2024 (SCI-Expanded)
- VII. **Biological variation of inflammatory and iron metabolism markers in high-endurance recreational athletes; are these markers useful for athlete monitoring?**
Coskun A.

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.62, no.2, pp.1-9, 2023 (SCI-Expanded)

- VIII. **Biological variation estimates of Alzheimer's disease plasma biomarkers in healthy individuals.**
Brum W. S., Ashton N. J., Simrén J., di Molfetta G., Karikari T. K., Benedet A. L., Zimmer E. R., Lantero-Rodriguez J., Montoliu-Gaya L., Jeromin A., et al.
Alzheimer's & dementia : the journal of the Alzheimer's Association, 2023 (SCI-Expanded)
- IX. **Sex-related differences in within-subject biological variation estimates for 22 essential and non-essential amino acids.**
Coskun A., Carobene A., Demirelce O., Mussap M., Braga F., Sezer E., Karine Aarsand A., Sandberg S., Fernández Calle P., Díaz-Garzón J., et al.
Clinica chimica acta; international journal of clinical chemistry, vol.552, no.117632, pp.117632, 2023 (SCI-Expanded)
- X. **Biological variation estimates for serum neurofilament light chain in healthy subjects.**
Carobene A., Maiese K., Abou-Diwan C., Locatelli M., Serteser M., Coskun A., Unsal I.
Clinica chimica acta; international journal of clinical chemistry, vol.551, no.2023, pp.117608, 2023 (SCI-Expanded)
- XI. **Personalized and Population-Based Reference Intervals for 48 Common Clinical Chemistry and Hematology Measurands: A Comparative Study.**
Coskun A., Sandberg S., Unsal I., Cavusoglu C., Serteser M., Kilercik M., Aarsand A. K.
Clinical chemistry, vol.69, no.8, pp.1009-1030, 2023 (SCI-Expanded)
- XII. **Personalized laboratory medicine in the digital health era: recent developments and future challenges**
Coskun A., Lippi G.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.62, no.3, pp.1-8, 2023 (SCI-Expanded)
- XIII. **Physiological Rhythms and Biological Variation of Biomolecules: The Road to Personalized Laboratory Medicine**
Coskun A., Zarepour A., Zarrabi A.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.24, pp.6275-6298, 2023 (SCI-Expanded)
- XIV. **Long-Term Within- and Between-Subject Biological Variation Data of Hematological Parameters in Recreational Endurance Athletes.**
Diaz-Garzon J., Fernandez-Calle P., Aarsand A. K., Sandberg S., Coskun A., Equey T., Aikin R., Soto A. B.
Clinical chemistry, 2023 (SCI-Expanded)
- XV. **Performance specifications for sodium should not be based on biological variation**
Oosterhuis W. P., Coskun A., Sandberg S., Theodorsson E.
CLINICA CHIMICA ACTA, vol.540, no.2, pp.117221, 2023 (SCI-Expanded)
- XVI. **Biological variation: recent development and future challenges.**
Sandberg S., Carobene A., Bartlett B., Coskun A., Fernandez-Calle P., Jonker N., Díaz-Garzón J., Aarsand A. K.
Clinical chemistry and laboratory medicine, 2022 (SCI-Expanded)
- XVII. **Biological variation of serum iron from the European biological variation study (EuBIVAS).**
Carobene A., Aarsand A. K., Coşkun A., Díaz-Garzón J., Locatelli M., Fernandez-Calle P., Sandberg S., Ceriotti F.
Clinical chemistry and laboratory medicine, 2022 (SCI-Expanded)
- XVIII. **Bias, the unfinished symphony**
Coskun A.
BIOCHEMIA MEDICA, vol.32, no.3, pp.1-3, 2022 (SCI-Expanded)
- XIX. **Melatonin in preservation solutions prevents ischemic injury in rat kidneys.**
Coskun A., Arbak S., Serteser M., Özpınar A.
PLOS ONE, vol.17, no.8, pp.1-19, 2022 (SCI-Expanded)
- XX. **Melatonin in preservation solutions prevents ischemic injury in rat kidneys**
Coskun A., Yegen Ş. C., Arbak S., Can Ö.
PLOS ONE, vol.17, no.8, pp.1-19, 2022 (SCI-Expanded)
- XXI. **Measurement uncertainty for practical use.**
Coskun A., Theodorsson E., Oosterhuis W. P., Sandberg S.
Clinica chimica acta; international journal of clinical chemistry, 2022 (SCI-Expanded)

- XXII. **Wrong Sigma metric causes chaos**
Coskun A.
Journal of Laboratory Medicine, vol.46, no.2, pp.143-145, 2022 (SCI-Expanded)
- XXIII. **The European Biological Variation Study (EuBIVAS): a summary report.**
Carobene A., Aarsand A. K., Bartlett W. A., Coskun A., Diaz-Garzon J., Fernandez-Calle P., Guerra E., Jonker N., Locatelli M., Plebani M., et al.
Clinical chemistry and laboratory medicine, vol.60, pp.505-517, 2022 (SCI-Expanded)
- XXIV. **Biological variation estimates of thyroid related measurands - meta-analysis of BIVAC compliant studies.**
Fernández-Calle P., Díaz-Garzón J., Bartlett W., Sandberg S., Braga F., Beatriz B., Carobene A., Coskun A., Gonzalez-Lao E., Marques F., et al.
Clinical chemistry and laboratory medicine, vol.60, pp.483-493, 2022 (SCI-Expanded)
- XXV. **Critical appraisal and meta-analysis of biological variation estimates for kidney related analytes.**
Jonker N., Aslan B., Boned B., Marqués-García F., Ricós C., Alvarez V., Bartlett W., Braga F., Carobene A., Coskun A., et al.
Clinical chemistry and laboratory medicine, vol.60, pp.469-478, 2022 (SCI-Expanded)
- XXVI. **Within- and between-subject biological variation data for tumor markers based on the European Biological Variation Study.**
Coşkun A., Aarsand A. K., Sandberg S., Guerra E., Locatelli M., Díaz-Garzón J., Fernandez-Calle P., Ceriotti F., Jonker N., Bartlett W. A., et al.
Clinical chemistry and laboratory medicine, vol.60, pp.543-552, 2022 (SCI-Expanded)
- XXVII. **Long-term within- and between-subject biological variation of 29 routine laboratory measurands in athletes.**
Diaz-Garzon J., Fernandez-Calle P., Aarsand A. K., Sandberg S., Coskun A., Carobene A., Jonker N., Itkonen O., Bartlett W. A., Buno A.
Clinical chemistry and laboratory medicine, vol.60, pp.618-628, 2022 (SCI-Expanded)
- XXVIII. **Personalized reference intervals - statistical approaches and considerations**
COSKUN A., Sandberg S., Unsal I., Yavuz F. G., Cavusoglu C., SERTESER M., KILERCİK M., Aarsand A. K.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.60, no.4, pp.629-635, 2022 (SCI-Expanded)
- XXIX. **European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates for serum thyroid biomarkers based on weekly samplings from 91 healthy participants.**
Bottani M., Aarsand A. K., Banfi G., Locatelli M., Coşkun A., Díaz-Garzón J., Fernandez-Calle P., Sandberg S., Ceriotti F., Carobene A.
Clinical chemistry and laboratory medicine, vol.60, pp.523-532, 2022 (SCI-Expanded)
- XXX. **Critical review and meta-analysis of biological variation estimates for tumor markers**
Marques-Garcia F., Boned B., Gonzalez-Lao E., Braga F., Carobene A., COSKUN A., Diaz-Garzon J., Fernandez-Calle P., Carmen Perich M., Simon M., et al.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.60, no.4, pp.494-504, 2022 (SCI-Expanded)
- XXXI. **Within- and between-subject biological variation data for serum zinc, copper and selenium obtained from 68 apparently healthy Turkish subjects**
Coşkun A., Carobene A., Aarsand A. K., Aksungar F., Serteser M., Sandberg S., Díaz-Garzón J., Fernandez-Calle P., Karpuzoğlu F. H., Coskun C., et al.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.60, no.4, pp.533-542, 2022 (SCI-Expanded)
- XXXII. **Systematic review and meta-analysis of within-subject and between-subject biological variation estimates of serum Zinc, Copper and Selenium.**
Coşkun A., Aarsand A. K., Braga F., Carobene A., Díaz-Garzón J., Fernandez-Calle P., Jonker N., Lao E. G., Marques-Garcia F., Sandberg S.
Clinical chemistry and laboratory medicine, vol.60, pp.479-482, 2022 (SCI-Expanded)
- XXXIII. **Biological variation of serum insulin: updated estimates from the European Biological Variation Study (EuBIVAS) and meta-analysis.**
Carobene A., Lao E. G., Simon M., Locatelli M., Coşkun A., Díaz-Garzón J., Fernandez-Calle P., Sandberg S., Aarsand A.

K.

Clinical chemistry and laboratory medicine, vol.60, pp.518-522, 2022 (SCI-Expanded)

- XXXIV. **Personalized reference intervals: Using estimates of within-subject or within-person biological variation requires different statistical approaches.**

Coskun A., Sandberg S., Unsal I., Cavusoglu C., Serteser M., Kilercik M., Aarsand A. K.

Clinica chimica acta; international journal of clinical chemistry, vol.524, pp.201-202, 2022 (SCI-Expanded)

- XXXV. **Personalized reference intervals: from theory to practice**

COSKUN A., Sandberg S., Unsal I., SERTESER M., Aarsand A. K.

CRITICAL REVIEWS IN CLINICAL LABORATORY SCIENCES, vol.59, no.7, pp.501-516, 2022 (SCI-Expanded)

- XXXVI. **The European Biological Variation Study (EuBIVAS): Biological Variation Data for Coagulation Markers Estimated by a Bayesian Model.**

Aarsand A. K., Kristoffersen A. H., Sandberg S., Støve B., Coşkun A., Fernandez-Calle P., Díaz-Garzón J., Guerra E., Ceriotti F., Jonker N., et al.

Clinical chemistry, vol.67, pp.1259-1270, 2021 (SCI-Expanded)

- XXXVII. **IGFBP-4: A promising biomarker for lung cancer.**

Nur S. I., Ozturk A., Kavas M., Bulut I., Alparslan S., Aydogan E. S., Atinkaya B. C., Kolay M., Coskun A.

Journal of medical biochemistry, vol.40, pp.237-244, 2021 (SCI-Expanded)

- XXXVIII. **False negative results and tolerance limits of SARS-CoV-2 laboratory tests.**

Çubukçu H. C., Coşkun A.

Pathogens and global health, vol.115, pp.137-138, 2021 (SCI-Expanded)

- XXXIX. **Truncation limits of patient-based real-time quality control: a new model derived from between-subject biological variations**

Coşkun A., Çavuşoğlu C., Serteser M., Serdar M. A., Kilercik M., Aksungar F., Ünsal İ.

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.59, no.4, 2021 (SCI-Expanded)

- XL. **Utilization of biological variation data in the interpretation of laboratory test results - survey about clinicians' opinion and knowledge**

Emre H. O., Karpuzoglu F. H., Coskun C., Sezer E. D., Ozturk O. G., Ucar F., Cubukcu H. C., Arslan F. D., Deniz L., Senes M., et al.

BIOCHEMIA MEDICA, vol.31, no.1, 2021 (SCI-Expanded)

- XLI. **Personalized Reference Intervals in Laboratory Medicine: A New Model Based on Within-Subject Biological Variation.**

Coşkun A., Sandberg S., Unsal I., Cavusoglu C., Serteser M., Kilercik M., Aarsand A.

Clinical chemistry, vol.67, pp.374-384, 2021 (SCI-Expanded)

- XLII. **Biological Variation of Cardiac Troponins in Health and Disease: A Systematic Review and Meta-analysis.**

Diaz-Garzon J., Fernandez-Calle P., Sandberg S., Özcürümez M., Bartlett W., Coskun A., Carobene A., Perich C., Simon M., Marques F., et al.

Clinical chemistry, vol.67, pp.256-264, 2021 (SCI-Expanded)

- XLIII. **Biological variation of morning serum cortisol: updated estimates from the European Biological Variation Study (EuBIVAS) and meta-analysis.**

Carobene A., Guerra E., Marqués-García F., Boned B., Locatelli M., Coşkun A., Díaz-Garzón J., Fernandez-Calle P., Sandberg S., Aarsand A., et al.

Clinica chimica acta; international journal of clinical chemistry, vol.509, pp.268-272, 2020 (SCI-Expanded)

- XLIV. **The European Biological Variation Study (EuBIVAS): weekly biological variation of cardiac troponin I estimated by the use of two different high-sensitivity cardiac troponin I assays.**

Ceriotti F., Díaz-Garzón M., Fernández-Calle P., Maregnani A., Aarsand A., Coskun A., Jonker N., Sandberg S., Carobene A., European F.

Clinical chemistry and laboratory medicine, vol.58, pp.1741-1747, 2020 (SCI-Expanded)

- XLV. **European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates of β -isomerized C-terminal telopeptide of type I collagen (β -CTX), N-terminal propeptide of type I collagen (PINP), osteocalcin, intact fibroblast growth factor 23 and uncarboxylated-**

unphosphorylated matrix-Gla protein-a cooperation between the EFLM Working Group on Biological Variation and the International Osteoporosis Foundation-International Federation of Clinical Chemistry Committee on Bone Metabolism.

Cavalier E., Lukas P., Bottani M., Aarsand A., Ceriotti F., Coşkun A., Díaz-Garzón J., Fernández-Calle P., Guerra E., Locatelli M., et al.

Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA, vol.31, no.8, pp.1461-1470, 2020 (SCI-Expanded)

- XLVI. **European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates for serum biointact parathyroid hormone based on weekly samplings from 91 healthy participants.**
Bottani M., Banfi G., Guerra E., Locatelli M., Aarsand A., Coşkun A., Díaz-Garzón J., Fernandez-Calle P., Sandberg S., Ceriotti F., et al.
Annals of translational medicine, vol.8, pp.855, 2020 (SCI-Expanded)
- XLVII. **Analytical Performance Specifications for Lipoprotein(a), Apolipoprotein B-100, and Apolipoprotein A-I Using the Biological Variation Model in the EuBIVAS Population.**
Clouet-Foraison N., Marcovina S., Guerra E., Aarsand A., Coşkun A., Díaz-Garzón J., Fernandez-Calle P., Sandberg S., Ceriotti F., Carobene A.
Clinical chemistry, vol.66, pp.727-736, 2020 (SCI-Expanded)
- XLVIII. **Statistical distributions commonly used in measurement uncertainty in laboratory medicine.**
Coskun A., Oosterhuis W.
Biochemia medica, vol.30, pp.10101, 2020 (SCI-Expanded)
- XLIX. **Six Sigma revisited: We need evidence to include a 1.5 SD shift in the extraanalytical phase of the total testing process.**
Coskun A., Ialongo C.
Biochemia medica, vol.30, pp.10901, 2020 (SCI-Expanded)
- L. **Systematic review and meta-analysis of within-subject and between-subject biological variation estimates of 20 haematological parameters**
COSKUN A., Braga F., Carobene A., Tejedor Ganduxe X., Aarsand A. K., Fernandez-Calle P., Diaz-Garzon Marco J., Bartlett W., Jonker N., Aslan B., et al.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.58, no.1, pp.25-32, 2020 (SCI-Expanded)
- LI. **An Assessment of HbA1c in Diabetes Mellitus and Pre-diabetes Diagnosis: a Multi-centered Data Mining Study.**
Serdar M. A., Serteser M., Uçal Y., Karpuzoglu H., Aksungar F., Coşkun A., Kilercik M., Ünsal İ., Özpınar A.
Applied biochemistry and biotechnology, vol.190, pp.44-56, 2020 (SCI-Expanded)
- LII. **The short story of the long-term Sigma metric: shift cannot be treated as a linear parameter**
COŞKUN A., SERTESER M., Unsal I.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.57, no.9, 2019 (SCI-Expanded)
- LIII. **European Biological Variation Study (EuBIVAS): Within- and Between-Subject Biological Variation Data for 15 Frequently Measured Proteins**
Carobene A., Aarsand A. K., Guerra E., Bartlett W. A., Coskun A., Diaz-Garzon J., Fernandez-Calle P., Jonker N., Locatelli M., Sandberg S., et al.
CLINICAL CHEMISTRY, vol.65, no.8, pp.1031-1041, 2019 (SCI-Expanded)
- LIV. **Biological variation data for lipid cardiovascular risk assessment biomarkers. A systematic review applying the biological variation data critical appraisal checklist (BIVAC)**
Diaz-Garzon J., Fernandez Calle P., Minchinela J., Aarsand A. K., Bartlett W. A., Aslan B., Boned B., Braga F., Carobene A., COŞKUN A., et al.
CLINICA CHIMICA ACTA, vol.495, pp.467-475, 2019 (SCI-Expanded)
- LV. **Quality will determine the future of mass spectrometry imaging in clinical laboratories: the need for standardization**
UÇAL Y., COŞKUN A., ÖZPINAR A.

EXPERT REVIEW OF PROTEOMICS, vol.16, no.6, pp.521-532, 2019 (SCI-Expanded)

- LVI. **Measurement uncertainty in laboratory medicine: the bridge between medical and industrial metrology**
COSKUN A., Inal B. B., Serdar M. A.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.2, pp.121-125, 2019 (SCI-Expanded)
- LVII. **Sigma metric revisited: True known mistakes**
COŞKUN A., SERTESER M., Unsal I.
BIOCHEMIA MEDICA, vol.29, no.1, 2019 (SCI-Expanded)
- LVIII. **Cofilin-1 as a potential biomarker to evaluate acute kidney injury**
COŞKUN A., UÇAL Y., BERBER İ., ÇAKIR Ü., SERTESER M., Moldur D. E., Derelioglu E. I., Yozgatli T. K., ÖZPINAR A., Unsal I.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.1, pp.9-15, 2019 (SCI-Expanded)
- LIX. **Systematic review of the biological variation data for diabetes related analytes**
Gonzalez-Lao E., Corte Z., Simon M., Ricos C., Coskun A., Braga F., Aarsand A. K., Carobene A., Bartlett W. A., Boned B., et al.
CLINICA CHIMICA ACTA, vol.488, pp.61-67, 2019 (SCI-Expanded)
- LX. **Proteomic Analysis of Liver Preservation Solutions Prior to Liver Transplantation**
COSKUN A., BAYKAL A. T., Oztug M., KAZAN D., KAYA E., EMİROĞLU R., YILMAZ S., DÜNDAR H. Z., Akgoz M., BERBER İ., et al.
CURRENT PROTEOMICS, vol.16, no.2, pp.119-135, 2019 (SCI-Expanded)
- LXI. **Biological variation estimates for prostate specific antigen from the European Biological Variation Study; consequences for diagnosis and monitoring of prostate cancer**
Carobene A., Guerra E., Locatelli M., Cucchiara V., Briganti A., Aarsand A. K., Coskun A., Diaz-Garzon J., Fernandez-Calle P., Roraas T., et al.
CLINICA CHIMICA ACTA, vol.486, pp.185-191, 2018 (SCI-Expanded)
- LXII. **Harmonization initiatives in the generation, reporting and application of biological variation data**
Aarsand A. K., Roraas T., Bartlett W. A., COŞKUN A., Carobene A., Fernandez-Calle P., Jonker N., Diaz-Garzon J., Braga F., Sandberg S.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.56, no.10, pp.1629-1636, 2018 (SCI-Expanded)
- LXIII. **Providing Correct Estimates of Biological Variation-Not an Easy Task. The Example of S100-beta Protein and Neuron-Specific Enolase**
Carobene A., Guerra E., Locatelli M., Ceriotti F., Sandberg S., Fernandez-Calle P., Coskun A., Aarsand A. K.
CLINICAL CHEMISTRY, vol.64, no.10, pp.1537-1539, 2018 (SCI-Expanded)
- LXIV. **The EuBIVAS: Within- and Between-Subject Biological Variation Data for Electrolytes, Lipids, Urea, Uric Acid, Total Protein, Total Bilirubin, Direct Bilirubin, and Glucose**
Aarsand A. K., Diaz-Garzon J., Fernandez-Calle P., Guerra E., Locatelli M., Bartlett W. A., Sandberg S., Roraas T., Ceriotti F., Solvik U. O., et al.
CLINICAL CHEMISTRY, vol.64, no.9, pp.1380-1393, 2018 (SCI-Expanded)
- LXV. **Within-subject and between-subject biological variation estimates of 21 hematological parameters in 30 healthy subjects**
Coskun A., Carobene A., Kilercik M., Serteser M., Sandberg S., Aarsand A. K., Fernandez-Calle P., Jonker N., Bartlett W. A., Diaz-Garzon J., et al.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.56, no.8, pp.1309-1318, 2018 (SCI-Expanded)
- LXVI. **The Biological Variation Data Critical Appraisal Checklist: A Standard for Evaluating Studies on Biological Variation**
Aarsand A. K., Roraas T., Fernandez-Calle P., Ricos C., Diaz-Garzon J., Jonker N., Perich C., Gonzalez-Lao E., Carobene A., Minchinela J., et al.
CLINICAL CHEMISTRY, vol.64, no.3, pp.501-514, 2018 (SCI-Expanded)
- LXVII. **The use of error and uncertainty methods in the medical laboratory**
Oosterhuis W. P., Bayat H., Armbruster D., COŞKUN A., Freeman K. P., Kallner A., Koch D., Mackenzie F., Migliarino G., Orth M., et al.

- CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.56, no.2, pp.209-219, 2018 (SCI-Expanded)
- LXVIII. **Pregnancy-associated plasma protein-A (PAPP-A) levels in patients with severe allergic asthma are reduced by omalizumab**
Bulut I., Ozseker Z. F., COSKUN A., SERTESER M., Unsal I.
JOURNAL OF ASTHMA, vol.55, no.10, pp.1116-1121, 2018 (SCI-Expanded)
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- IV. **Biological Variation: From Principles to Practice**
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- V. **Hücre Yaşamın Merkezi**
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- VI. **Six Sigma Projects and Personal Experiences**
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- VII. **Quality Management and Six Sigma**
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- I. **Patient based real time quality control as a complementary tool to external quality assessment schemes in clinical laboratories**
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- II. **WITHIN-SUBJECT AND BETWEEN-SUBJECT BIOLOGICAL VARIATION ESTIMATES OF GLUTAMINE, TYROSINE, PHENYLALANINE, LEUCINE AND CITRULLINE IN HEALTHY SUBJECTS**
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- III. **A PRACTICAL WAY OF CALCULATING MEASUREMENT UNCERTAINTY IN LABORATORY MEDICINE AND COMPARE IT TO ANALYTICAL PERFORMANCE SPECIFICATIONS**
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- IV. **PERSONALIZED REFERENCE INTERVALS**
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- V. **Quality Control in Research Laboratories: Perspectives on Standardization**
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- VII. **Biological variation in clinical practice: bridge between laboratorians and clinicians**
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- IX. **Biological Variation Of CBC Tests: The Effect Of Turnaround Time**
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- X. **AUTOVERIFICATION PROGRAMS FOR MEDICAL LABORATORIES**
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- XI. **OBJECTIVE EVALUATION OF REPETITIVE TESTING OF THE SAME SAMPLE**
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- XVII. BIOLOGICAL VARIATION AND REDEFINING QUALITY SPECIFICATION IN CLINICAL LABORATORIES**
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- XVIII. Identification of key meta data to enable safe accurate and effective transferability of biological variation data.**
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- XXI. A New Perspective in Quality Control Combination of Internal and External Quality Control**
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- XXIV. Does melatonin have any effect on liver preservation in ringer lactate and University of Wisconsin solutions?**
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Patent

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Activities in Scientific Journals

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, Committee Member, 2024 - Continues

Journal of Laboratory and Precision Medicine, Committee Member, 2023 - Continues

JOURNAL OF PERSONALIZED MEDICINE, Special Issue Editor, 2022 - Continues

ADVANCES IN LABORATORY MEDICINE = AVANCES EN MEDICINA DE LABORATORIO, Committee Member, 2022 - Continues

TURKISH JOURNAL OF BIOCHEMISTRY, Committee Member, 2020 - Continues

HELIYON, Committee Member, 2022 - 2023

Memberships / Tasks in Scientific Organizations

EFLM, Member of Science Committee, 2023 - Continues, Turkey

EFLM, Country Representative, 2013 - Continues, Italy

Scientific Refereeing

CLINICAL CHEMISTRY AND LABORATORY MEDICINE, SCI Journal, June 2024

BIOCHEMIA MEDICA, SCI Journal, June 2024

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BIOMED RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, January 2022
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Scientific Consultations

Ulusal Metroloji Enstitüsü, Project Consultancy, Acibadem Mehmet Ali Aydinlar University, School Of Medicine, Department Of Basic Sciences, Turkey, 2023 - Continues

Tasks In Event Organizations

Coskun A., IFCC Worldlab Duai 2024, Scientific Congress, United Arab Emirates, Mayıs 2024
Coskun A., 32. National Biochemistry Congress, Scientific Congress, Gaziantep, Turkey, Kasım 2021
Coskun A., Yücel D., Girgin Sağın F., Dikmen Z. G., Ünlü A., Sepici Dinçel A., Portakal Akçin O., İnal B. B., Uzun H., Koçdor H., et al., 31. National Biochemistry Congress, Scientific Congress, Ankara, Turkey, Aralık 2020
Coskun A., Tuli A., Ünlü A., XXVII Balkan Clinical Laboratory Federation Meeting, Scientific Congress, Antalya, Turkey, Ekim 2019
Coskun A., Yücel D., Girgin Sağın F., Dikmen Z. G., Şenes M., Ünlü A., Sepici Dinçel A., TBS INTERNATIONAL BIOCHEMISTRY CONGRESS 2018, Scientific Congress, Turkey, Ekim 2018
Coskun A., 5th EFLM-UEMS European Joint Congress in Laboratory, Scientific Congress, Antalya, Turkey, Ekim 2018
Uçal Y., Baykal A. T., Özpinar A., Coskun A., Serdar M. A., Serteser M., Aksungar F., X Annual Congress of the European Proteomics Association, Scientific Congress, İstanbul, Turkey, Haziran 2016
Uçal Y., Serteser M., Özpinar A., Baykal A. T., Coskun A., 1. Ulusal Proteomik Kongresi, Scientific Congress, Antalya, Turkey, Kasım 2014
Uçal Y., Özpinar A., Baykal A. T., Coskun A., OurCON II, Scientific Congress, Antalya, Turkey, Kasım 2014

Scientific Research / Working Group Memberships

Task Force On Global Reference Interval Database (Tf-Grid), The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), Italy, <https://ifcc.org/executive-board-and-council/eb-task-forces/task-force-on-global-reference-interval-database-tf-grid/>, 2021 - Continues
Traceability İn Laboratory Medicine (C-Tlm), The International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), Italy, <https://ifcc.org/ifcc-scientific-division/sd-committees/c-tlm/>, 2019 - Continues
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Eflm Biological Variation Task Group, European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) , Italy, <https://www.eflm.eu/site/who-we-are/committee/science-committee/fu/tg-biological-variation-database>, 2015 -

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Metrics

Publication: 182

Citation (WoS): 1992

Citation (Scopus): 2149

H-Index (WoS): 23

H-Index (Scopus): 26

Congress and Symposium Activities

TBS International Biochemistry Congress 2023, Invited Speaker, Muğla, Turkey, 2023

AACB 60th Annual Scientific Conference, Invited Speaker, Brisbane, Australia, 2023

International Conference - Laboratory Medicine role in clinical outcome and challenges of laboratory medicine in Georgia, Invited Speaker, Tbilisi, Georgia, 2023

Labquality, Invited Speaker, Helsinki, Finland, 2023

Laboratory Medicine for Mobile Society in Our Area, Invited Speaker, Heraklion, Greece, 2022

Euromedlab 2021 Munich, Invited Speaker, Munich, Germany, 2021

Awards

Coskun A., EFLM Award for Achievements in Advancing Laboratory Medicine in Europe - sponsored by Roche, Eflm, May 2023

Diaz-Garzon J., Fernandez-Calle P., Sandberg S., Özçürümez M., Bartlett W., Coskun A., Carobene A., Perich C., Simon M., Marquez F., et al., EFLM Cardiac Marker Award - sponsored by HyTest, European Federation Of Clinical Chemistry And Laboratory Medicine, November 2021

Coskun A., Sandberg S., Ünsal I., Çavuşoğlu C., Serteser M., Kilercik M., Aarsand A., EFLM Award for Excellence in Outcomes Research in Laboratory Medicine - sponsored by Abbott Diagnostics, European Federation Of Clinical Chemistry And Laboratory Medicine, November 2021

Özpinar A., Serteser M., Coşkun A., Serdar M. A., Aksungar F., Baykal A. T., Kilercik M., Uçal Y., Öğretim Üyesi Başına Düşen ve Q1 Kategorisindeki Dergilerde Yapılan Yayınlar, Acıbadem Mehmet Ali Aydınlar Üniversitesi, May 2019

Coskun A., Aarsand A. K., Røraas T., Fernandez-Calle P., Ricos C., Diaz-Garzon J., Jonker N., Perich C., Gonzalez-Lao E., Carobene A., et al., EFLM Award for Excellence in Performance Specifications Research - sponsored by Abbott Diagnostics, European Federation Of Clinical Chemistry And Laboratory Medicine, May 2019

Coskun A., Yayın Teşvik Ödülü, Tübitak, December 2017

Özpinar A., ÖZBEN V., COSKUN A., Akademik Başarı Ödülü, Acıbadem Mehmet Ali Aydınlar Üniversitesi, May 2016