Prof. ABDURRAHMAN COSKUN

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Education Information

Undergraduate, Istanbul University, Open And Dıstance Educatıon 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, 2021 - 2022, 2020 - 2021
Biyokimya II, Doctorate, 2021 - 2022, 2020 - 2021
Medical Biochemistry, Undergraduate, 2021 - 2022, 2020 - 2021
Tıbbi Laboratuvar Organizasyonu, Associate Degree, 2021 - 2022, 2020 - 2021
Medical Biochemistry, Undergraduate, 2021 - 2022, 2020 - 2021
Medical Biochemistry, Undergraduate, 2021 - 2022, 2020 - 2021
Biyokimya I, Doctorate, 2021 - 2022, 2020 - 2021
Medical Biochemistry, Undergraduate, 2021 - 2022, 2020 - 2021
Medical Biochemistry, Undergraduate, 2021 - 2022, 2020 - 2021
Tıbbi Laboratuvar Organizasyonu, Associate Degree, 2020 - 2021

Advising Theses

Coskun A., Gestasyonel diabetes mellituslu gebelerde 4-22 karbonlu yağ asitleri ve8-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 Aydinlar 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. **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)

II. **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)

III. **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)

IV. **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)

V. **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)

VI. **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)

VII. **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)

VIII. **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)

IX. **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)

X. **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)

XI. **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)

XII. **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)

XIII. **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)

XIV. **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)

XV. **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)

XVI. **Bias, the unfinished symphony**
Coskun A.
BIOCHEMIA MEDICA, vol.32, no.3, pp.1-3, 2022 (SCI-Expanded)

XVII. **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)

XVIII. **Melatonin in preservation solutions prevents ischemic injury in rat kidneys**
Coskun A., Yegen Ş. C., Arbak S., Can Ö.
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XIX. **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)

XX. **Wrong Sigma metric causes chaos**
Coskun A.
Journal of Laboratory Medicine, vol.46, no.2, pp.143-145, 2022 (SCI-Expanded)

XXI. **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)

XXII. **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)

XXIII. **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)

XXIV. **Critica appraisal and meta-analysis of lbiological 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)

XXV. **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)

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. **Personalized reference intervals - statistical approaches and considerations**
COSKUN A., Sandberg S., Unsal I., Yavuz F. G., Cavusoglu C., SERTESER M., KILERCIK M., Aarsand A. K.
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.60, no.4, pp.629-635, 2022 (SCI-Expanded)

XXVIII. **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)

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. **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)

XXXI. **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)

XXXII. **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)

XXXIII. **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)

XXXIV. **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)

XXXV. **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)

XXXVI. **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)

XXXVII. **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)

XXXVIII. **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)

XXXIX. **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)

XL. **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)

XLI. **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)

XLII. **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)

XLIII. **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., Fernàndez-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)

XLIV. **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)

XLV. **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.
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XLVI. **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)

XLVII. **Statistical distributions commonly used in measurement uncertainty in laboratory medicine.**
Coskun A., Oosterhuis W.
Biochemia medica, vol.30, pp.10101, 2020 (SCI-Expanded)

XLVIII. **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)

XLIX. **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)

L. **The short story of the long-term Sigma metric: shift cannot be treated as a linear parameter**
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LI. **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)

LII. **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)

LIII. **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)

LIV. **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)

LV. **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.
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LVI. **Sigma metric revisited: True known mistakes**
COŞKUN A., SERTESER M., Unsal I.
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LVII. **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.
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LVIII. **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)

LIX. **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)

LX. **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.
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LXI. **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)

LXII. **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.
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LXIII. **Within-subject and between-subject biological variation estimates of 21 hematological parameters in 30 healthy subjects**
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LXIV. **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)

LXV. **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.
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LXVI. **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.
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LXVII. **Sigma metrics in laboratory medicine revisited: We are on the right road with the wrong map**

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LXVIII. **The EuBIVAS Project: Within- and Between-Subject Biological Variation Data for Serum Creatinine Using Enzymatic and Alkaline Picrate Methods and Implications for Monitoring**
Carobene A., Marino I., COŞKUN A., SERTESER M., Unsal I., Guerra E., Bartlett W. A., Sandberg S., Aarsand A. K., Sylte M. S., et al.
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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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Supported Projects

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Coskun A., Serteser M., TUBITAK Project, Quality Control and Accreditation in Clinical Laboratories, 2016 - 2019
COSKUN A., CAN Ö., TUBITAK Project, Modifiye University Of Wisconsin Solüsyonunun Sıçan Böbrek Dokusu Saklama Süresine Etkisi, 2014 - 2015
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Patent

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Activities in Scientific Journals

HELIYON, Committee Member, 2022 - Continues
JOURNAL OF PERSONALIZED MEDICINE, Special Issue Editor, 2022 - Continues
TURKISH JOURNAL OF BIOCHEMISTRY, Committee Member, 2020 - Continues

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, February 2024
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, SCI Journal, February 2024
ANNALS OF LABORATORY MEDICINE, SCI Journal, February 2024
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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 Coıngress, 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., Özpınar 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., Özpınar A., Baykal A. T., Coskun A., 1. Ulusal Proteomik Kongresi, Scientific Congress, Antalya, Turkey, Kasım 2014
Uçal Y., Özpınar 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-Grıd), İtalya, https://ifcc.org/executive-board-and-council/eb-task-forces/task-force-on-global-reference-interval-database-tf-grid/, 2021 - Continues

Metrics

Publication: 179
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H-Index (WoS): 23
H-Index (Scopus): 25

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