

Clinical Biochemistry – Publications 2025

Al Bakir, M., Reading, J. L., Gamble, S., & Rosenthal, R. et al. (2025). Clonal driver neoantigen loss under *EGFR*TKI and immune selection pressures. *Nature*, *639*, 1052-1059. artikel 216.

<https://doi.org/10.1038/s41586-025-08586-y>

Antonsen, K. W., Jensen, A. G., Sorensen, B., & Etzerodt, A. et al. (2025). In vitro ovarian tumor-conditioned CD163+ human macrophages retain phagocytic response to CD47 blockade. *Cellular Immunology*, *409-410*, artikel 104932.

<https://doi.org/10.1016/j.cellimm.2025.104932>

Babae, A., Wichmann, T. O., Rasmussen, M. M., & Brink, O. et al. (2025). Extracellular Vesicle Glial Fibrillary Acidic Protein as a Circulating Biomarker of Traumatic Brain Injury Severity. *Journal of Molecular Neuroscience*, *75*(2), artikel 69.

<https://doi.org/10.1007/s12031-025-02360-5>

Blauenfeldt, R. A., Waller, J. L., Drasbek, K. R., & Bech, J. N. et al. (2025). Effect of Remote Ischemic Conditioning and Red Blood Cells Biomarkers on Outcomes in Patients With Acute Stroke. *Journal of the American Heart Association*, *14*(10), e040787. artikel e040787.

<https://doi.org/10.1161/JAHA.124.040787>

Blauenfeldt, R. A., Waller, J., Drasbek, K. R., & Bech, J. N. et al. (2025). Effect of Remote Ischemic Conditioning on the Form and Function of Red Blood Cells in Patients with Acute Ischemic Stroke. *Stroke*, *56*(3), 603-612.

<https://doi.org/10.1161/STROKEAHA.124.048976>

Blavnsfeldt, A. B. G., & Abildgaard, A. M. (2025). Interference from haemolysis on serum protein electrophoresis in the identification and quantification of monoclonal immunoglobulins. *Scandinavian Journal of Clinical and Laboratory Investigation*, *85*(4), 305-307.

<https://doi.org/10.1080/00365513.2025.2511303>

Brock, C., Andersen, H., Alibegovic, A. C., & Andersen, S. T. et al. (2025). Barriers and new opportunities in developing effective therapies for diabetic neuropathy: International expert consensus recommendations. *Diabetes Research and Clinical Practice*, *221*, artikel 112010.

<https://doi.org/10.1016/j.diabres.2025.112010>

Bruun, V., Parkner, T., Winther-Larsen, A., & Schjorring, M. E. et al. (2025). A step forward in pediatric hemophagocytic lymphohistiocytosis and autoimmune disease: Pediatric reference interval for serum soluble IL-2 receptor and soluble CD163. *Clinical Chemistry and Laboratory Medicine*, *63*(11), 2310-2317.

<https://doi.org/10.1515/cclm-2025-0653>

Christensen, S. H., Kirk, F., Gyldenholm, T., & Lynderup, E. M. et al. (2025). Exchangeable serum copper: Adult and pediatric reference intervals and in vitro stability in a nordic cohort. *Clinica Chimica Acta*, *565*, 1-7. artikel 119978.

<https://doi.org/10.1016/j.cca.2024.119978>

do Canto, L. M., Jacobsen, C. M., Nissen, P. H., & Højbjerg, J. A. et al. (2025). Impact of pneumatic tube system transport and blood collection tubes on cell-free DNA analysis of plasma samples. *Clinical Chemistry and Laboratory Medicine*,64(2), 332-342.

<https://doi.org/10.1515/cclm-2025-0367>

Gal, D. B., Farkas, D. K., Laugesen, K., & Sørensen, H. T. et al. (2025). Response by Gal et al to Letter Regarding Article, "Predictors of Neurodevelopmental and Mental Health Diagnoses in Congenital Heart Disease: A Danish Population-Based Cohort Study". *Circulation. Cardiovascular quality and outcomes*,18(11), e012690.

<https://doi.org/10.1161/CIRCOUTCOMES.125.012690>

Greibe, E., Sorensen, B., Meldgaard, P., & Hoffmann-Lücke, E. (2025). Development and validation of an LC-MS/MS method for quantification of Osimertinib and its two metabolites AZ7550 and AZ5104 in human plasma including long-time storage. *Journal of Pharmaceutical and Biomedical Analysis*,255, artikel 116662.

<https://doi.org/10.1016/j.jpba.2025.116662>

Guldbrandsen KF, Bloch M, Skougaard K, Ahlborn LB, et al. (2025). Surveillance With Fluorine-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography of Patients With Stage I-to-III Lung Cancer After Completion of Curative treatment (SUPE_R): A Randomized Controlled Trial. *Journal of Thoracic Oncology*,20(8), 1086-1097.

<https://doi.org/10.1016/j.jtho.2025.04.003>

Gyldenholm, T., Madsen, N., Katballe, N., & Kjær, D. W. et al. (2025). Patients Undergoing Oesophageal Cancer Surgery Do Not Have Impaired Haemostasis. *Clinical and Applied Thrombosis/Hemostasis*,31.

<https://doi.org/10.1177/10760296251327587>

Gyldenholm, T., Madsen, N., Katballe, N., & Kjær, D. W. et al. (2025). Prolonged vs standard thromboprophylaxis in patients with esophageal cancer undergoing surgery: a randomized controlled study. *Journal of Thrombosis and Haemostasis*,23(4), 1367-1378.

<https://doi.org/10.1016/j.jtha.2025.01.002>

Hagn-Meincke, R., Novovic, S., Hadi, A., & Jensen, A. B. et al. (2025). Circulating biomarkers of macrophage activation in different stages of chronic pancreatitis: A pilot study. *Pancreas*,54(4), e331-e339.

<https://doi.org/10.1097/MPA.0000000000002443>

Hansen, R. S., Nissen, P. H., Larsen, J. B., & Bor, M. V. (2025). Diagnosing protein S deficiency – Navigating challenges. *Clinical Biochemistry*,138, artikel 110950.

<https://doi.org/10.1016/j.clinbiochem.2025.110950>

Hansen, S. H., & Greibe, E. (2025). Uracil in plasma: comparison of two in-house-developed LC-MS/MS methods. *Clinical Chemistry and Laboratory Medicine*.

<https://doi.org/10.1515/cclm-2025-0782>

Henriksen, J., Andersen, C. U., Donskov, F., & Hoffmann-Lücke, E. et al. (2025). Therapeutic drug monitoring (TDM) of tyrosine kinase inhibitors (TKI) for optimized outcome in patients with metastatic renal cell carcinoma. The TKI-TDM Trial. Study protocol. *Acta Oncologica*,*64*, 729-733. <https://doi.org/10.2340/1651-226X.2025.43693>

Kirkeby, M. H., Højbjerg, J. A., Abildgaard, A. M., & Larsen, J. B. (2025). Intraindividual variability of von Willebrand factor and the need for repeated testing. *Research and Practice in Thrombosis and Haemostasis*,*9*(4), artikel 102889. <https://doi.org/10.1016/j.rpth.2025.102889>

Kristiansen, H. P., Petersen, J., Schou, P., & Nissen, P. H. et al. (2025). A novel 17.9 kb deletion of the beta-globin gene causing beta-thalassemia trait in a Danish male. *Clinical Biochemistry*,*140*, artikel 111035. <https://doi.org/10.1016/j.clinbiochem.2025.111035>

Larsen, J. B., & Aslan, J. E. (2025). Platelets in Personalized Medicine. *Seminars in Thrombosis and Hemostasis*,*51*(8), 841-843. <https://doi.org/10.1055/s-0045-1811582>

Larsen, M. L., Nørgaard, L., Linge, P., & Larsen, J. B. et al. (2025). Molecular mechanisms underlying thrombosis in systemic lupus erythematosus: A Systematic review. *Seminars in Arthritis and Rheumatism*,*72*, artikel 152707. <https://doi.org/10.1016/j.semarthrit.2025.152707>

Laugesen, K., Dekkers, O. M., Groenwold, R. H. H., & Skajaa, N. (2025). When selection becomes selection bias. *European Journal of Endocrinology*,*192*(2), E1-E3. <https://doi.org/10.1093/ejendo/lvaf014>

Laugesen, K., & Larsen, A. W. (2025). Paediatric reference intervals for haematology parameters analysed on Sysmex XN-9000: a comparison of methods in the framework of indirect sampling. *Clinical Chemistry and Laboratory Medicine*,*63*(4), 812-820. <https://doi.org/10.1515/cclm-2024-1179>

Laugesen, K., Skajaa, N., Petersen, I., & Skovsager Andersen, M. et al. (2025). Mental Disorders Among Offspring Prenatally Exposed to Systemic Glucocorticoids. *JAMA network open*,*8*(1), artikel CD004454. <https://doi.org/10.1001/jamanetworkopen.2024.53245>

Lauridsen, K. M., Møller, H. J., Kristensen, M. W., & Frstrup, N. et al. (2025). Soluble CD206 in metastatic renal cell carcinoma: Relation to clinical–biochemical parameters and patient outcome. *International Journal of Cancer*, *156*(4), 875-885. <https://doi.org/10.1002/ijc.35194>

Lorenzen, C., Dons, K., García-Solà, C., & Forns, X. et al. (2025). Relative Exchangeable Copper, Exchangeable Copper and Total Copper in the Diagnosis of Wilson Disease. *Liver International*,*45*(5), artikel e70089. <https://doi.org/10.1111/liv.70089>

Lundbech, M., Krag, A. E., Iversen, L. H., & Brandsborg, B. et al. (2025). Effect of hyperthermic intraperitoneal chemotherapy on thrombin generation and fibrinolysis. *International Journal of Colorectal Disease*,40(1), artikel 139.

<https://doi.org/10.1007/s00384-025-04922-w>

Lundbech, M., Krag, A. E., Iversen, L. H., & Brandsborg, B. et al. (2025). Elevated Thrombin Generation and Venous Thromboembolism Incidence in Patients Undergoing Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy Compared with Minimally Invasive Rectal Surgery. *Thrombosis and Haemostasis*,125(5), 460-469.

<https://doi.org/10.1055/a-2413-4989>

Mathiesen, H., Juul-Madsen, K., Tramm, T., & Vorup-Jensen, T. et al. (2025). Prognostic value of CD163+ macrophages in solid tumor malignancies: A scoping review. *Immunology Letters*,272, 106970. artikel 106970.

<https://doi.org/10.1016/j.imlet.2025.106970>

McCaddon, A., Nexo, E., Green, R., & Ahmadi, K. R. et al. (2025). ‘Hypercobalaminuria’ – Is urinary cobalamin loss a potential determinant of parenteral cobalamin (B₁₂) efficacy in Pernicious Anaemia? *Medical Hypotheses*,199, artikel 111664.

<https://doi.org/10.1016/j.mehy.2025.111664>

Meyer, S. I. R., Skipper, M. T., Albertsen, B. K., & Tuckuviene, R. et al. (2025). Late Pulmonary Adverse Effects in Childhood and Adolescent Acute Lymphoblastic Leukaemia Survivors: A Cross-sectional ALL-STAR Lungs study. *ERJ Open Research*,11(6), artikel 00350-2025.

<https://doi.org/10.1183/23120541.00350-2025>

Meyer, S. I. R., Skipper, M. T., Albertsen, B. K., & Tuckuviene, R. et al. (2025). Physical Functioning Report and Pulmonary Function Deficit in Childhood and Adolescent Acute Lymphoblastic Leukemia Survivors: A National Cross-Sectional ALL-STAR Lungs Study. *Pediatric Pulmonology*,60(11), artikel e71389.

<https://doi.org/10.1002/ppul.71389>

Määttä, L. L., Andersen, S. T., Parkner, T., & Hviid, C. V. B. et al. (2025). Serum Neurofilament Light Chain and Structural and Functional Nerve Fiber Loss in Painful and Painless Diabetic Polyneuropathy. *Diabetes Research and Clinical Practice*,223, artikel 112098.

<https://doi.org/10.1016/j.diabres.2025.112098>

Møller, J., Hilberg, O., Nissen, P. H., & Møller, H. J. et al. (2025). Angiotensin-converting enzyme genotypes and sarcoidosis: Correlation with susceptibility, progression and treatment response. *Sarcoidosis Vasculitis and Diffuse Lung Diseases*,42(2), artikel 16324.

<https://doi.org/10.36141/svdlld.v42i2.16324>

Møller, R., Nexo, E., PrayGod, G., & Kweka, B. et al. (2025). Plasma Vitamin B12 May Be a Misleading Biomarker among Children with Severe Acute Malnutrition: An Observation from Mwanza, Tanzania. *Journal of Nutrition*,155(9), 2898-2905.

<https://doi.org/10.1016/j.tjnut.2025.04.033>

Nersesjan, M., Hoffmann-Lücke, E., Greibe, E., & Aaslo, P. H. et al. (2025). Evaluation of antiseizure medication concentration ranges in blood samples using an automated big data approach. *Epilepsia*,66(6), 1888-1898.

<https://doi.org/10.1111/epi.18330>

Nielsen, S. Y., Hoffmann-Lücke, E., Henriksen, T. B., & Hartvigsen, C. M. et al. (2025). Timing and dosage of intrapartum prophylactic penicillin for preventing early-onset group B streptococcal disease: Assessing maternal and umbilical cord blood concentration. *Archives of Disease in Childhood: Fetal and Neonatal Edition*,110(2), F128-F132. artikel fetalneonatal-2024-326986.

<https://doi.org/10.1136/archdischild-2024-326986>

Nissen, P. H., & Pedersen, O. B. (2025). Unlocking the Potential of MicroRNA Expression: Biomarkers for Platelet Reactivity and Coronary Artery Disease. *Seminars in Thrombosis and Hemostasis*,51(8), 917-927.

<https://doi.org/10.1055/s-0045-1805041>

Nygaard, R. H., McGrail, R., & Betzer, C. (2025). Paediatric, age-specific reference intervals for reticulocyte count on Abbotts Alinity hq platform. *Scandinavian Journal of Clinical and Laboratory Investigation*,85(7), 538-542.

<https://doi.org/10.1080/00365513.2025.2569832>

Overgaard, D. L., Parkner, T., Jul Jarbæk Nielsen, J., & Andersen, H. et al. (2025). Impact of preanalytical factors on the stability of acetylcholine receptor antibodies in serum. *Scandinavian Journal of Clinical and Laboratory Investigation*,85(4), 308-312.

<https://doi.org/10.1080/00365513.2025.2500011>

Pedersen, O. B., Grove, E. L., Kristensen, S. D., & Pasalic, L. et al. (2025). MicroRNA dynamics and their link to platelet function following acute ST-segment elevation myocardial infarction. *Thrombosis Research*,256, artikel 109518.

<https://doi.org/10.1016/j.thromres.2025.109518>

Pedersen, O. B., Nissen, P. H., Pasalic, L., & Hvas, A.-M. et al. (2025). Changes in platelet maturity and reactivity following acute ST-segment elevation myocardial infarction. *Research and Practice in Thrombosis and Haemostasis*,9(1), artikel 102652.

<https://doi.org/10.1016/j.rpth.2024.102652>

Petersen, J. D., Hvas, C. L., & Larsen, J. B. (2025). Platelet Function in Patients with Disseminated Intravascular Coagulation: Potential Markers for Improving DIC Diagnosis? *Seminars in Thrombosis and Hemostasis*,51(8), 879-893.

<https://doi.org/10.1055/s-0045-1809696>

Petersen, S. R., Bonnesen, K., Larsen, J. B., & Pedersen, L. et al. (2025). Bleeding risk using non-steroidal anti-inflammatory drugs in anticoagulated patients with atrial fibrillation: a nationwide cohort study. *European Heart Journal - Quality of Care & Clinical Outcomes*,11(8), 1340–1350.

<https://doi.org/10.1093/ehjqcco/qcaf076>

Præstegaard, K. F., Winther-Larsen, A., & Kousholt, B. S. (2025). Hematological reference intervals for Danish crossbred Landrace Yorkshire Duroc (LYD) pigs used in biomedical research. *Acta Veterinaria Scandinavica*,67(1), artikel 11.
<https://doi.org/10.1186/s13028-025-00798-6>

Ridder, L. O. R., Just, J., Hvas, C. L., & Nielsen, M. M. et al. (2025). Elevated Liver Enzymes in Turner Syndrome: The Role of Low-grade Inflammation and Hormonal Imbalances. *Journal of the Endocrine Society*,9(6), artikel bvaf059.
<https://doi.org/10.1210/jendso/bvaf059>

Rittig, N., Arlien-Søborg, M. C., Svart, M. V., & Thomsen, H. H. et al. (2025). Ketone supplementation acutely lowers androgen and glucose levels in women with polycystic ovary syndrome: a randomized clinical trial. *European Journal of Endocrinology*,192(6), 717–727.
<https://doi.org/10.1093/ejendo/lvaf106>

Rode L, Wright A, Wright D, Overgaard M. et al. (2025). Screening for pre-eclampsia using pregnancy-associated plasma protein-A or placental growth factor measurements in blood samples collected at 8–14 weeks' gestation. *Ultrasound in Obstetrics and Gynecology*,65(5), 567-574.
<https://doi.org/10.1002/uog.29204>

Rosenlund, L., Gulbrandsen, K., Ahlborn, L. B., & Bloch, M. et al. (2025). ctDNA can detect minimal residual disease in curative treated non-small cell lung cancer patients using a tumor agnostic approach. *Lung Cancer*,203, artikel 108528.
<https://doi.org/10.1016/j.lungcan.2025.108528>

Strandberg, J., Hvas, A. M., Janukonyté, J., & Kristensen, S. R. et al. (2025). Thrombophilia in women undergoing medically assisted reproduction – prevalence and clinical consequence. *Thrombosis Update*,20, artikel 100222.
<https://doi.org/10.1016/j.tru.2025.100222>

Strandkjær, N., Hansen, M. B., Afzal, S., & Hasselbalch, R. B. et al. (2025). Influence of Macrotrponin on the 99th Percentile Threshold in 2 High-Sensitivity Cardiac Troponin Assays. *Clinical Chemistry*,71(8), 884-895.
<https://doi.org/10.1093/clinchem/hvaf068>

Sørensen, H., Grove, E. L., Hojbjerg, J. A., & Andersen, A. et al. (2025). Recurrent Ischemic Stroke/Transient Ischemic Attack After Patent Foramen Ovale Closure: A cohort study. *International Journal of Stroke*,20(2), 196-204.
<https://doi.org/10.1177/17474930241281120>

Thain, A., Visser, P., Hart, K., & Nexø, E. et al. (2025). Patient-reported characteristics of pernicious anaemia: a first step to initiate James Lind Alliance Priority Setting Partnership driven research. *BMC Primary Care*,26(1), artikel 348.

<https://doi.org/10.1186/s12875-025-03036-0>

Therkildsen, J. R., & Abildgaard, A. (2025). Short-term stability of routine coagulation tests under different storage temperatures in centrifuged whole blood samples: a practical approach. *Scandinavian Journal of Clinical and Laboratory Investigation*,85(2), 168-171.

<https://doi.org/10.1080/00365513.2025.2472423>

Thrysoe, M., Parkner, T., Tankisi, H., & Nyengaard, J. R. et al. (2025). Biochemical use of neurofilament light polypeptide and vitamin B12 in relation to diabetic polyneuropathy in Danish adolescents with type 1 diabetes: a cross-sectional study. *BMJ Open*,15(3), artikel e085749.

<https://doi.org/10.1136/bmjopen-2024-085749>

Tybjerg, L., Knudsen, C. S., & Parkner, T. (2025). Neurofilament light chain – Can it be measured in urine? *Clinica Chimica Acta*,569, artikel 120163.

<https://doi.org/10.1016/j.cca.2025.120163>

Ulhoi, M. P., Andersen, E. R., Månsson, C. T., & Munch Larsen, L. et al. (2025). Clinical and molecular characteristics of 42 Danish patients with metastatic ALK fusion-positive lung cancer treated with first-line alectinib: A nationwide study. *Cancer Treatment and Research Communications*,45(100993), artikel 100993.

<https://doi.org/10.1016/j.ctarc.2025.100993>

Vestergaard, A. H. S., Jensen, S. K., Heide-Jørgensen, U., & Ladefoged, S. A. et al. (2025). Sex-specific temporal trends in incidence and prevalence of chronic kidney disease: a Danish population-based cohort study. *Clinical Kidney Journal*,18(1), artikel sfae351.

<https://doi.org/10.1093/ckj/sfae351>

Winther-Larsen, A., Vestergaard, E. M., & Abildgaard, A. (2025). Clinical value of smear review of flagged samples analyzed with the Sysmex XN hematology analyzer. *Clinical Chemistry and Laboratory Medicine*,63(3), 636-644.

<https://doi.org/10.1515/cclm-2024-0973>