

Pernille Just Vinholt  
Chief Physician  
KI, Clinical Biochemistry and Pharmacology  
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## Employment

### **Clinical Associate Professor**

Chief Physician  
KI, Clinical Biochemistry and Pharmacology  
University of Southern Denmark  
1. Jan 2018 → 31. Dec 2023

## Activities

### **Bestyrelsesmedlem, Dansk selskab for klinisk Biokemi (akademisk sekretær) (Event)**

Pernille Just Vinholt (Member)  
2019 → ...

### **Fagudvalg for forebyggelse og behandling af blodpropper, medicinrådet (Event)**

Pernille Just Vinholt (Chairman)  
2019 → ...

### **Bedømmer i OUH's prægraduat forskningspulje (Event)**

Pernille Just Vinholt (Member)  
2018 → ...

### **Fagudvalg for benign hæmatologi, medicinrådet (Event)**

Pernille Just Vinholt (Member)  
2018 → ...

## Qualifications

Lean for Leaders, Odense University Hospital  
2019

Award Date: 10. Sep 2019

Subspeciality in Thrombosis and Hemostasis  
2018

Award Date: 1. Oct 2018

Speciality in Clinical Biochemistry  
2017

Award Date: 7. Dec 2017

PhD, University of Southern Denmark  
2017

Award Date: 18. Jul 2017

Course in pedagogy for associate professors, University of Southern Denmark  
2018

MD, University of Southern Denmark  
2000 → 2007

Undergraduate research student, Odense University Hospital  
2004 → 2005

## Projects

### **Artificial intelligence til forudsigelse af prostatacancer forløb**

Sheikh, S. P., Poulsen, M. H., Vinholt, P. J., Søndergaard, J., Krogh, M. & Kidholm, K.  
01/10/2019 → 01/10/2022

**CISTRON - Impact of stereotactic body radiation therapy on the coagulation system in patients with non-small cell lung cancer**

Kirkelund Bentsen, K., Jeppesen, S. S., Vinholt, P. J., Hvas, A. & Højbjerg, J. A.  
26/03/2019 → ...

**Ropca Ultrasound**

Savarimuthu, T. R., Just, S. A., Vinholt, P. J., Duedal Pedersen, C., Skjøth, M. M., Iversen, N. & Ellekilde, L.  
01/08/2017 → 31/07/2020

**Research outputs**

**Modeling the Effects of Intravasal Administration of AstraZeneca ChAdOx1 nCoV-19 Vaccine on Human Platelets**

Vinholt, P. J., Frederiksen, H. & Nielsen, C., Dec 2021, In: Thrombosis and Haemostasis. 121, 12, p. 1681-1683

**Translation, validation, and usability of the International Society on Thrombosis and Haemostasis Bleeding Assessment Tool (Self-ISTH-BAT)**

Hansen, R. S., Carlsen, M., Rasmussen, K. F. & Vinholt, P. J., Jul 2021, In: European journal of haematology. 107, 1, p. 104-110

**Deep learning detects and visualizes bleeding events in electronic health records**

Pedersen, J. S., Laursen, M. S., Savarimuthu, T. R., Søgaard Hansen, R., Alnor, A. B., Bjerre, K. V., Kjær, I. M., Gils, C., Thorsen, A-S. F., Sandvig Andersen, E., Nielsen, C. B., Andersen, L-A. C., Just, S. A. & Vinholt, P. J., May 2021, In: Research and Practice in Thrombosis and Haemostasis. 5, 4, 8 p., e12505.

**Platelet parameters and leukocyte morphology is altered in COVID-19 patients compared to non-COVID-19 patients with similar symptomatology**

Alnor, A., Sandberg, M. B., Toftanes, B. E. & Vinholt, P. J., May 2021, In: Scandinavian journal of clinical and laboratory investigation. 81, 3, p. 213-217

**In vitro effect of biological and conventional disease-modifying antirheumatic drugs on fibrocyte differentiation in patients with rheumatoid arthritis and healthy controls**

Tenstad, H. B., Vinholt, P. J., Nielsen, C., Lindegaard, H. & Just, S. A., 2021, In: European Journal of Rheumatology. 8, p. 184-189

**Severity of COVID-19 at elevated exposure to perfluorinated alkylates**

Grandjean, P., Timmermann, C. A. G., Kruse, M., Nielsen, F., Vinholt, P. J., Boding, L., Heilmann, C. & Mølbak, K., 31. Dec 2020, In: PLOS ONE. 15, 12, e0244815.

**AB0414 The in vitro effect of biological and conventional disease modifying anti rheumatic drugs (DMARDs) on fibrocyte differentiation in rheumatoid arthritis patients and healthy controls**

Tenstad, H., Vinholt, P., Nielsen, C., Lindegaard, H. M. & Just, S. A., 1. Nov 2020.

**Severity of COVID-19 at elevated exposure to perfluorinated alkylates**

Grandjean, P., Timmermann, C. A. G., Kruse, M., Nielsen, F., Vinholt, P. J., Boding, L., Heilmann, C. & Molbak, K., 26. Oct 2020, In: medRxiv : the preprint server for health sciences.

**Contributing factors to the plasma albumin level at diagnosis of hematological malignancy**

Gradel, K. O., Engberg, H., Zampieri, F. G., Póvoa, P., Simonsen, S. F., Vinholt, P. J., Garvik, O. S., Ljungdahl, P. S. & Frederiksen, H., Oct 2020, In: Hospital practice (1995). 48, 4, p. 223-229

**Laboratory Tests and Outcome for Patients with Coronavirus Disease 2019: A systematic review and meta-analysis**

Alnor, A., Sandberg, M. B., Gils, C. & Vinholt, P. J., Sep 2020, In: The Journal of Applied Laboratory Medicine. 5, 5, p. 1038-1049

**C-reactive protein and albumin kinetics after antibiotic therapy in community-acquired bloodstream infection**

Póvoa, P., Garvik, O. S., Vinholt, P. J., Pedersen, C., Jensen, T. G., Kolmos, H. J., Lassen, A. T. & Gradel, K. O., Jun 2020, In: International Journal of Infectious Diseases. 95, p. 50-58

**Platelet aggregation is not altered among men with diabetes mellitus**

Kring, C., Rasmussen, L. M., Lindholt, J. S., Diederichsen, A. C. P. & Vinholt, P. J., Apr 2020, In: Acta Diabetologica. 57, 4, p. 389-399

**Use of clinical data and acceleration profiles to validate pneumatic transportation systems**

Gils, C., Broell, F., Vinholt, P. J., Nielsen, C. & Nybo, M., 26. Mar 2020, In: Clinical Chemistry and Laboratory Medicine. 58, 4, p. 560-568

**Longitudinal trajectory patterns of plasma albumin and C-reactive protein levels around diagnosis, relapse, bacteraemia, and death of acute myeloid leukaemia patients**

Gradel, K. O., Póvoa, P., Garvik, O. S., Vinholt, P. J., Nielsen, S. L., Jensen, T. G., Chen, M., Dessau, R. B., Møller, J. K., Coia, J. E., Ljungdahl, P. S., Lassen, A. T. & Frederiksen, H., 24. Mar 2020, In: BMC Cancer. 20, 13 p., 249.

**Escaping the catch 22 of lupus anticoagulant testing**

Vinholt, P. J. & Just, S. A., 5. Mar 2020, In: RMD Open. 6, 1, 3 p., e001156.

**The effect of mycophenolate mofetil on platelet function**

Knudsen, G. H., Nielsen, C., Nielsen, C. B., Frederiksen, H. & Vinholt, P. J., 1. Mar 2020, In: Blood coagulation & fibrinolysis : an international journal in haemostasis and thrombosis. 31, 2, p. 132-139

**Application of adult reference intervals in children**

Alnor, A. B. & Vinholt, P. J., Mar 2020, In: european journal of pediatrics. 179, 3, p. 483-491

**C-reactive protein and albumin kinetics before community-acquired bloodstream infections- A Danish population-based cohort study**

Garvik, O. S., Póvoa, P., Magnussen, B., Vinholt, P. J., Pedersen, C., Jensen, T. G., Kolmos, H. J., Lassen, A. T. & Gradel, K. O., 1. Jan 2020, In: Epidemiology and Infection. 148, 6 p., e38.

**The in vitro effect of antirheumatic drugs on platelet function**

Nielsen, C. B., Nielsen, C., Nybo, M., Just, S. A. & Vinholt, P. J., 2020, In: Platelets. 31, 2, p. 248-257

**The role of platelets in bleeding in patients with thrombocytopenia and hematological disease**

Vinholt, P. J., 26. Nov 2019, In: Clinical Chemistry and Laboratory Medicine. 57, 12, p. 1808-1817

**Platelet function tests predict bleeding in patients with acute myeloid leukemia and thrombocytopenia**

Vinholt, P. J., Knudsen, G. H., Sperling, S., Frederiksen, H. & Nielsen, C., Aug 2019, In: American Journal of Hematology. 94, 8, p. 891-901

**Paediatric reference intervals are heterogeneous and differ considerably in the classification of healthy paediatric blood samples**

Alnor, A. B. & Vinholt, P. J., Jul 2019, In: European Journal of Pediatrics. 178, 7, p. 963-971

**The In Vitro Effect of Biological and Conventional Disease Modifying Anti Rheumatic Drugs (DMARDs) on Fibrocyte Differentiation in Rheumatoid Arthritis Patients and Healthy Controls**

Tenstad, H., Vinholt, P. J., Nielsen, C., Lindegaard, H. M. & Just, S. A., 1. Jun 2019, In: Annals of the rheumatic diseases. 78, Suppl. 2, p. 1668-1669 2 p.

**Falsely prolonged activated partial thromboplastin time - a pre- and post-analytical issue**

Gils, C., Vinholt, P. J. & Nybo, M., 15. Feb 2019, In: Biochemia Medica. 29, 1, p. 157-161 5 p., 011001.

**The effects of storage on platelet function in different blood products**

Sperling, S., Vinholt, P. J., Sprogøe, U., Yazer, M. H., Frederiksen, H. & Nielsen, C., 2019, In: Hematology. 24, 1, p. 89-96

**Real-life data patterns of C-reactive protein and albumin level trajectories around bacteremia**

Gradel, K. O., Póvoa, P., Vinholt, P. J., Magnussen, B., Pedersen, C., Jensen, T. G., Kolmos, H. J. & Lassen, A. T., 30. Nov 2018, In: Biomarkers in Medicine. 12, 11, p. 1251–1259

**Reduced platelet activation and platelet aggregation in patients with alcoholic liver cirrhosis**

Vinholt, P. J., Hvas, A-M., Nielsen, C., Söderström, A. C., Sprogøe, U., Fialla, A. D. & Nybo, M., 4. Jul 2018, In: Platelets. 29, 5, p. 520-527

**False increase of glycated hemoglobin due to aspirin interference in Tosoh G8 analyzer**

Gils, C., Reinholdt, B., Andreassen, B. D., Brandslund, I. & Vinholt, P. J., 25. Apr 2018, In: Clinical Chemistry and Laboratory Medicine. 56, 5, p. e118-e120

**Hypoalbuminaemia as a marker of trans-capillary leakage in community-acquired bacteraemia patients**

Gradel, K. O., Vinholt, P. J., Magnussen, B., Pedersen, C., Jensen, T. G., Kolmos, H. J. & Lassen, A. T., Apr 2018, In: Epidemiology and Infection. 146, 5, p. 648-655

**The primary haemostasis is more preserved in thrombocytopenic patients with liver cirrhosis than cancer**

Vinholt, P. J., Alnor, A. B., Nybo, M. & Hvas, A-M., Apr 2018, In: Blood Coagulation and Fibrinolysis. 29, 3, p. 307-313

**Venous Thromboembolism in Patients With Thrombocytopenia: Risk Factors, Treatment, and Outcome**

Bælum, J. K., Ellingsen Moe, E., Nybo, M. & Vinholt, P. J., 1. May 2017, In: Clinical and Applied Thrombosis/Hemostasis. 23, 4, p. 345-350

**Dabigatran reduces thrombin-induced platelet aggregation and activation in a dose-dependent manner**

Vinholt, P. J., Nielsen, C., Söderström, A. C., Brandes, A. & Nybo, M., 2017, In: Journal of Thrombosis and Thrombolysis. 44, 2, p. 216–222

**Light transmission aggregometry using pre-coated microtiter plates and a Victor X5 plate reader**

Vinholt, P. J., Nybo, M., Nielsen, C. B. & Hvas, A-M., 2017, In: PLOS ONE. 12, 10, 12 p., e0185675.

**Measurement of platelet aggregation, independently of patient platelet count: A flow-cytometric approach**

Vinholt, P. J., Frederiksen, H., Hvas, A. M., Sprogøe, U. & Nielsen, C., 2017, In: Journal of Thrombosis and Haemostasis. 15, 6, p. 1191–1202

**Platelet function and bleeding in thrombocytopenia**

Vinholt, P. J., 2017, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

**Platelet function during storage - assessed by a novel flow-cytometric platelet aggregation assay**

Sperling, S., Vinholt, P. J., Sprogøe, U., Yazer, M., Frederiksen, H. & Nielsen, C., 2017. 1 p.

**Platelet count is associated with cardiovascular disease, cancer and mortality: A population-based cohort study**

Vinholt, P. J., Hvas, A-M., Frederiksen, H., Bathum, L., Joergensen, M. K. & Nybo, M., 1. Dec 2016, In: Thrombosis Research. 148, p. 136-142

**The effect of centrifugation speed and time on pre-analytical platelet activation**

Söderström, A. C., Nybo, M., Nielsen, C. & Vinholt, P. J., 1. Dec 2016, In: Clinical Chemistry and Laboratory Medicine. 54, 12, p. 1913–1920

**Association between hypoalbuminaemia and mortality in patients with community-acquired bacteraemia is primarily related to acute disorders**

Magnussen, B., Gradel, K. O., Jensen, T. G., Kolmos, H. J., Pedersen, C., Vinholt, P. J. & Lassen, A. T., Sep 2016, In: PLoS One. 11, 9, e0160466.

**Prediction of bleeding and prophylactic platelet transfusions in cancer patients with thrombocytopenia**

Vinholt, P. J., Alnor, A., Nybo, M. & Hvas, A-M., 17. Aug 2016, In: Platelets. 27, 6, p. 547-554

**Decreased platelet function in acute myeloid leukaemia and myelodysplasia detected by a new test of platelet aggregation of viable cells using flow cytometry**

Vinholt, P. J., Frederiksen, H. & Nielsen, C., Jun 2016.

**Reduced platelet aggregation, independent of platelet count, in malignant hematological disease: A novel flow-cytometric approach**

Vinholt, P. J., Frederiksen, H., Hvas, A. M., Sprogøe, U. & Nielsen, C., Jun 2016.

**Single test isolated lupus anticoagulant positivity is associated with increased plasma levels of inflammatory markers and dyslipidemia**

Just, S. A., Nybo, M., Lastrup, H., Jensen Hansen, I. M., Junker, P. & Vinholt, P. J., 1. Mar 2016, In: Lupus. 25, 3, p. 241-247

**Casereport: Normal platelet aggregation in a 54-year old male with a missense mutation in the was-gene and a fenotype of x-linked thrombocytopenia**

Bruun, M. T., Vinholt, P. J., Jakobsen, M. A., Frederiksen, H. & Nielsen, C., 2016.

**Casereport: Normal platelet aggregation in a 54-year old male with a missense mutation in the WAS-gene and a fenotype of X-linked thrombocytopenia**

Bruun, M. T., Vinholt, P. J., Jakobsen, M. A., Frederiksen, H. & Nielsen, C., 2016.

**Mortality and prognostic factors of patients who have blood cultures performed in the emergency department: a cohort study**

Prier Lindvig, K., Nielsen, S. L., Henriksen, D. P., Jensen, T. G., Kolmos, H. J., Pedersen, C., Vinholt, P. J. & Lassen, A. T., 2016, In: European Journal of Emergency Medicine. 23, 3, p. 166-172

**Platelet aggregation determined in thrombocytopenic patients with malignant hematological disease: A novel flow cytometric approach**

Vinholt, P. J., Frederiksen, H., Hvas, A-M., Sprogøe, U. & Nielsen, C., 2016.

**Reduced platelet aggregation, independent of platelet count, in malignant homological disease: A novel flow-cytometric approach**

Vinholt, P. J., Frederiksen, H., Hvas, A-M., Sprogøe, U. & Nielsen, C., 2016.

**Trombocytopeni i almen praksis**

Frederiksen, H. & Vinholt, P. J., 2016, In: Maanedsskrift for Praktisk Laegegerning. 2016, 12

**Hypokalemia in acute medical patients: risk factors and prognosis**

Jensen, H. C. K., Brabrand, M., Vinholt, P. J., Hallas, J. & Lassen, A. T., Jan 2015, In: American Journal of Medicine. 128, 1, p. 60-67.e1

**Interference from lupus anticoagulant on von Willebrand factor measurement in splenic marginal zone lymphoma: a case report**

Vinholt, P. J. & Nybo, M., 2015, In: Blood Coagulation and Fibrinolysis. 26, 4, p. 454-457

**CYP2C19\*17 increases clopidogrel-mediated platelet inhibition but does not alter the pharmacokinetics of the active metabolite of clopidogrel**

Pedersen, R. S., Nielsen, F., Stage, T. B., Vinholt, P. J., Achwah, A. B. E., Damkier, P. & Brøsen, K., 1. Nov 2014, In: Clinical and Experimental Pharmacology and Physiology. 41, 11, p. 870-878

**Inflammation is strongly associated with lupus anticoagulant positivity, independent of known autoimmune disease and recent venous or arterial thrombosis**

Just, S. A., Nybo, M., Laustrup, H., Jensen Hansen, I. M. & Vinholt, P. J., 11. Jun 2014, In: Annals of the Rheumatic Diseases. 73, 2. Supplement, p. 186 1 p., THU0029.

**Characteristics of patients with community-acquired bacteremia who have low levels of C-reactive protein ( $\leq 20$  mg/L)**

Knudtzen, F. C., Nielsen, S. L., Gradel, K. O., Lassen, A. T., Kolmos, H. J., Jensen, T. G., Vinholt, P. J. & Pedersen, C., Feb 2014, In: Journal of Infection. 68, 2, p. 149–155

**An overview of platelet indices and methods for evaluating platelet function in thrombocytopenic patients**

Vinholt, P. J., Hvas, A-M. & Nybo, M., 9. Jan 2014, In: European Journal of Haematology. 92, 5, p. 367–376

**How do bacteraemic patients present to the emergency department and what is the diagnostic validity of the clinical parameters; temperature, C-reactive protein and systemic inflammatory response syndrome?**

Lindvig, K. P., Henriksen, D. P., Nielsen, S. L., Jensen, T. G., Kolmos, H. J., Pedersen, C., Vinholt, P. J. & Lassen, A. T., 2014, In: Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine. 22, 1, p. 39

**Inflammation is strongly associated with lupus anticoagulant positivity, independent of known autoimmune disease and recent venous or arterial thrombosis**

Just, S. A., Nybo, M., Laustrup, H., Jensen Hansen, I. M. & Vinholt, P. J., 2014.

**Protein S and protein C measurements should not be undertaken during vitamin K antagonist therapy**

Vinholt, P. J. & Nybo, M., 1. Feb 2013, In: Clinical Chemistry and Laboratory Medicine. 51, 2, p. e5-e7 3 p.

**An ELISA for the quantitation of von Willebrand Factor: Osteoprotegerin complexes in plasma**

Vinholt, P. J., Overgaard, M., Diederichsen, A. C. P., Mickley, H., Poulsen, T. S., Sand, N. P. R., Nybo, M. & Rasmussen, L. M., 2013, In: Thrombosis Research. 131, 5, p. 396-400

**Does C-reactive protein independently predict mortality in adult community-acquired bacteremia patients with known sepsis severity?**

Gradel, K. O., Jensen, T. G., Kolmos, H. J., Pedersen, C., Vinholt, P. J. & Lassen, A. T., 2013, In: APMIS. Acta Pathologica, Microbiologica et Immunologica Scandinavica. 21, 9, p. 835-842 8 p.

**Albumin som prædiktor for kort- og langtidsmortalitet hos voksne patienter med samfundserhvervet bakteræmi - et DORIS-projekt**

Gradel, K. O., Magnussen, B., Pedersen, C., Jensen, T. G., Vinholt, P. J., Kolmos, H. J. & Lassen, A. T., 2012.

**Ulcerating and stenosing enteropathy treated with misoprostol: a case report with analysis of prostaglandin metabolism**

Havelund, T., Jensen, B. L., Vinholt, P. J., Engvad, B. & Stubbe, J., 2012, In: European Journal of Gastroenterology and Hepatology. 24, 10, p. 1238-1241

**Existence of a clinically relevant interaction between clopidogrel and HMG-CoA reductase inhibitors? Re-evaluating the evidence**

Poulsen, T. S., Vinholt, P. J., Mickley, H., Korsholm, L., Kristensen, S. R. & Damkier, P., 2005, In: Basic & Clinical Pharmacology & Toxicology. 96, 2, p. 103-110 7 p.

**The antiplatelet effect of clopidogrel is not attenuated by statin treatment in stable patients with ischemic heart disease**

Vinholt, P. J., Poulsen, T. S., Korsholm, L., Kristensen, S. R., Hallas, J., Damkier, P. & Mickley, H., 2005, In: Thrombosis and Haemostasis. 94, 2, p. 438-43