

## Publications Baxter Novum 2017-2022

1. Carrero JJ, Johansen KL, **Lindholm B**, Stenvinkel P, Cuppari L, Avesani CM. Screening for muscle wasting and dysfunction in patients with chronic kidney disease. *Kidney Int.* 2016 Jul;90(1):53-66. PMID: 27157695
2. Chen Z, Qureshi AR, Ripsweden J, Wennberg L, Heimbürger O, **Lindholm B**, Barany P, Haarhaus M, Brismar TB, Stenvinkel P. Vertebral bone density associates with coronary artery calcification and is an independent predictor of poor outcome in end-stage renal disease patients. *Bone.* 2016 Aug 9. pii: S8756-3282(16)30218-6. doi: 10.1016/j.bone.2016.08.007. PMID: 27519971
3. Chen Z, Sun J, Haarhaus M, Barany P, Wennberg L, Ripsweden J, Brismar TB, **Lindholm B**, Wernerson A, Söderberg M, Stenvinkel P, Qureshi AR. Bone mineral density of extremities is associated with coronary calcification and biopsy-verified vascular calcification in living-donor renal transplant recipients. *J Bone Miner Metab.* 2016 Dec 2. PMID: 27913900
4. Cobo G, Hecking M, Port FK, Exner I, **Lindholm B**, Stenvinkel P, Carrero JJ. Sex and gender differences in chronic kidney disease: progression to end-stage renal disease and haemodialysis. *Clin Sci (Lond).* 2016 Jul 1;130(14):1147-63. PMID: 27252402
5. Cobo G, Qureshi AR, **Lindholm B**, Stenvinkel P. C-reactive Protein: Repeated Measurements will Improve Dialysis Patient Care. *Semin Dial.* 2016 Jan;29(1):7-14 PMID: 26360923
6. Isoyama N, Machowska A, Qureshi AR, Yamamoto T, Anderstam B, Heimbürger O, Barany P, Stenvinkel P, **Lindholm B**. Elevated circulating S100A12 associates with vascular disease and worse clinical outcome in peritoneal dialysis patients. *Perit Dial Int.* 2016 5-6;36(3):269-276. PMID: 26493750
7. Kato S, **Lindholm B**, Yuzawa Y, Tsuruta Y, Nakauchi K, Yasuda K, Sugiura S, Morozumi K, Tsuboi N, Maruyama S. High Ferritin Level and Malnutrition Predict High Risk of Infection-Related Hospitalization in Incident Dialysis Patients: A Japanese Prospective Cohort Study. *Blood Purif.* 2016 Apr 20;42(1):56-63. PMID: 27093060
8. Kato S, Shiels PG, McGuinness D, **Lindholm B**, Stenvinkel P, Nordfors L, Qureshi AR, Yuzawa Y, Matsuo S, Maruyama S. Telomere Attrition and Elongation after Chronic Dialysis Initiation in Patients with End-Stage Renal Disease. *Blood Purif.* 2016;41(1-3):25-33. PMID: 26960211
9. **Lindholm B**. Anders Tranaeus (1946 - 2015). *Perit Dial Int.* 2016 1-2;36(1):5-6. No abstract available. PMID: 26838989
10. Luttrupp K, Debowska M, Lukaszuk T, Bobrowski L, Carrero JJ, Qureshi AR, Stenvinkel P, **Lindholm B**, Waniewski J, Nordfors L. Genotypic and phenotypic predictors of inflammation in patients with chronic kidney disease. *Nephrol Dial Transplant.* 2016 Dec; 31(12):2033-2040. Epub 2016 Apr 19. PMID: 27190335

11. Machowska A, Carrero JJ, **Lindholm B**, Stenvinkel P. Therapeutics targeting persistent inflammation in chronic kidney disease. *Transl Res.* 2016 Jan;167 (1):204-13. doi: 10.1016/j.trsl.2015.06.012. Review. PMID: 2617318
12. Machowska A, Sun J, Qureshi AR, Isoyama N, Leurs P, Anderstam B, Heimbürger O, Barany P, Stenvinkel P, **Lindholm B**. Plasma Pentosidine and Its Association with Mortality in Patients with Chronic Kidney Disease. *PLoS One.* 2016 Oct 4;11(10):e0163826. doi: 10.1371/journal.pone.0163826. PMID: 27701453
13. Machowska A, Alscher MD, Reddy Vanga S, Koch M, Aarup M, Qureshi AR, **Lindholm B**, Rutherford PA. Factors influencing access to education, decision making, and receipt of preferred dialysis modality in unplanned dialysis start patients. *Patient Prefer Adherence.* 2016 Nov 2; 10: 2229-2237. eCollection 2016. PMID: 27843302
14. Missailidis C, Hällqvist J, Qureshi AR, Barany P, Heimbürger O, **Lindholm B**, Stenvinkel P, Bergman P. Serum Trimethylamine-N-Oxide Is Strongly Related to Renal Function and Predicts Outcome in Chronic Kidney Disease. *PLoS One.* 2016 Jan 11;11(1):e0141738. doi: 10.1371/journal.pone.0141738. eCollection 2016. PMID: 26751065
15. Nilsson E, Carrero JJ, Heimbürger O, Hellberg O, **Lindholm B**, Stenvinkel P. A cohort study of insulin-like growth factor 1 and mortality in haemodialysis patients. *Clin Kidney J.* 2016 Feb; 9(1):148-52. doi: 10.1093/ckj/sfv118. PMID: 26798476
16. Pietribiasi M, Waniewski J, Załuska A, Załuska W, **Lindholm B**. Modelling Transcapillary Transport of Fluid and Proteins in Hemodialysis Patients. *PLoS One.* 2016 Aug 2;11(8):e0159748. doi: 10.1371/journal.pone.0159748. eCollection 2016. PMID: 27483369
17. Rodrigues J, Santin F, Barbosa Brito FS, Carrero JJ, **Lindholm B**, Cuppari L, Avesani CM. Sensitivity and Specificity of Body Mass Index as a Marker of Obesity in Elderly Patients on Hemodialysis. *J Ren Nutr.* 2016 Mar;26(2):65-71. doi: 10.1053/j.jrn.2015.09.001. PMID: 26525267
18. Sikorska D, Pawlaczyk K, Olewicz-Gawlik A, Czepulis N, Posnik B, Baum E, Wanic-Kossowska M, **Lindholm B**, Oko A. The importance of residual renal function in peritoneal dialysis. *Int Urol Nephrol.* 2016 Oct 12. PMID: 27734218
19. Stachowska-Pietka J, Waniewski J, Flessner MF, **Lindholm B**. Concomitant bidirectional transport during peritoneal dialysis can be explained by a structured interstitium. *Am J Physiol Heart Circ Physiol.* 2016 Jun 1;310(11):H1501-11. doi: 10.1152/ajpheart.00925.2014. Epub 2016 Mar 4. PMID: 26945084
20. Sun J, Axelsson J, Machowska A, Heimbürger O, Bárány P, **Lindholm B**, Lindström K, Stenvinkel P, Qureshi AR. Biomarkers of Cardiovascular Disease and Mortality Risk in Patients with Advanced CKD. *Clin J Am Soc Nephrol.* 2016 Jul 7;11(7):1163-72. doi: 10.2215/CJN.10441015. Epub 2016 Jun 8. PMID: 27281698

21. Waniewski J, Antosiewicz S, Baczynski D, Poleszczuk J, Pietribiasi M, **Lindholm B**, Wankowicz Z. Peritoneal Fluid Transport rather than Peritoneal Solute Transport Associates with Dialysis Vintage and Age of Peritoneal Dialysis Patients. *Comput Math Methods Med.* 2016; 2016:8204294. doi: 10.1155/2016/8204294. Epub 2016 Feb 16. PMID: 26989432
22. Xu H, Xiong Z, Ärnlöv J, Qureshi AR, Cederholm T, Sjögren P, **Lindholm B**, Risérus U, Carrero JJ. Circulating Alpha-Tocopherol and Insulin Sensitivity Among Older Men With Chronic Kidney Disease. *J Ren Nutr.* 2016 Jan 7. pii: S1051-2276(15)00200-9. doi: 10.1053/j.jrn.2015.11.005. [Epub ahead of print] PMID: 26776598
23. Xu H, Rossi M, Campbell KL, Sencion GL, Ärnlöv J, Cederholm T, Sjögren P, Risérus U, **Lindholm B**, Carrero JJ. Excess protein intake relative to fiber and cardiovascular events in elderly men with chronic kidney disease. *Nutr Metab Cardiovasc Dis.* 2016 Jul;26(7):597-602. doi: 10.1016/j.numecd.2016.02.016. Epub 2016 Mar 8. PMID:27089977
24. Xu H, Brusselaers N, **Lindholm B**, Zoccali C, Carrero JJ. Thyroid Function Test Derangements and Mortality in Dialysis Patients: A Systematic Review and Meta-analysis. *Am J Kidney Dis.* 2016 Dec;68(6):923-932. doi: 10.1053/j.ajkd.2016.06.023. Epub 2016 Sep 2. Review. PMID: 27596516
25. Xu H, Ärnlöv J, Sandhagen B, Risérus U, **Lindholm B**, Lind L, Carrero JJ. Lipophilic index, kidney function, and kidney function decline. *Nutr Metab Cardiovasc Dis.* 2016 Dec;26(12):1096-1103. doi: 10.1016/j.numecd.2016.09.006. Epub 2016 Sep 16. PMID: 2777346
26. Bergman A, Qureshi AR, Haarhaus M, **Lindholm B**, Barany P, Heimbürger O, Stenvinkel P, Anderstam B. Total and bone-specific alkaline phosphatase are associated with bone mineral density over time in end-stage renal disease patients starting dialysis. *J Nephrol.* 2017 Apr;30(2):255-262. doi: 10.1007/s40620-016-0292-7. PMID:26994005
27. Carrero JJ, Grams ME, Sang Y, Ärnlöv J, Gasparini A, Matsushita K, Qureshi AR, Evans M, Barany P, **Lindholm B**, Ballew SH, Levey AS, Gansevoort RT, Elinder CG, Coresh J. Albuminuria changes are associated with subsequent risk of end-stage renal disease and mortality. *Kidney Int.* 2017 Jan;91(1):244-251. doi: 10.1016/j.kint.2016.09.037. PMID: 27927597
28. Chen Z, Qureshi AR, Parini P, Hurt-Camejo E, Ripsweden J, Brismar TB, Barany P, Jaminon A, Schurgers LJ, Heimbürger O, **Lindholm B**, Stenvinkel P. Does statins promote vascular calcification in chronic kidney disease? *Eur J Clin Invest.* 2017 Feb;47(2):137-148. doi: 10.1111/eci.12718. PMID: 28036114
29. Cobo G, Cordeiro AC, Amparo FC, Amodeo C, **Lindholm B**, Carrero JJ. Visceral Adipose Tissue and Leptin Hyperproduction Are Associated With Hypogonadism in Men With Chronic Kidney Disease. *J Ren Nutr.* 2017 Jul;27(4):243-248. doi: 10.1053/j.jrn.2017.01.023. PMID: 2836644
30. Cobo G, Gallar P, Di Gioia C, García Lacalle C, Camacho R, Rodríguez I, Ortega O, Mon C, Vigil A, **Lindholm B**, Carrero JJ. Hypogonadism associated with muscle atrophy, physical inactivity and

ESA hyporesponsiveness in men undergoing haemodialysis. *Nefrologia* 2017 Jan-Feb;37(1):54-60. doi: 10.1016/j.nefro.2016.04.009. Epub 2016 Aug 21. English, Spanish. PMID: 27553987

31. Cobo G, Jankowska M, **Lindholm B**, Stenvinkel P. Inflammation in chronic kidney disease. Chapter 56 in *Chronic Kidney Disease, Dialysis, and Transplantation: Companion to Brenner & Rector's The Kidney*. 11th Edition. Eds Jonathan Himmelfarb & Alp Ikizler 2017
32. Dai L, Golembiewska E, **Lindholm B**, Stenvinkel P. End-Stage Renal Disease, Inflammation and Cardiovascular Outcomes. *Contrib Nephrol.* 2017;191:32-43. doi: 10.1159/000479254. PMID: 28910789
33. Dai L, Mukai H, **Lindholm B**, Heimbürger O, Barany P, Stenvinkel P, Qureshi AR. Clinical global assessment of nutritional status as predictor of mortality in chronic kidney disease patients. *PLoS One.* 2017 Dec 6;12(12):e0186659. doi: 10.1371/journal.pone.0186659. eCollection 2017. PMID: 29211778
34. Golembiewska E, Machowska A, Stenvinkel P, **Lindholm B**. Prognostic value of copeptin in chronic kidney disease: from general population to end-stage renal disease. *Curr Protein Pept Sci.* doi: 10.2174/1389203718666170717095301. PMID: 28714397
35. Gomez R, Waniewski J, Zapata A, Pietribiasi M, **Lindholm B**. Phosphate equilibration rate and daily clearance in patients on CAPD, CCPD and APD. *Int J Artif Organs.* 2017 Jan 24;39(12):596-602. doi: 10.5301/ijao.5000547. PMID: 28127739
36. Heaf J, Petersons A, Vernere B, Heiro M, Povlsen JV, Sørensen AB, Rosenberg M, Løkkegaard N, Alonso-Garcia F, Kampmann JD, Clyne N, Randers E, Heimbürger O, **Lindholm B**. Why do physicians prescribe dialysis? A prospective questionnaire study. *PLoS One.* 2017 Dec 20;12(12):e0188309. doi: 10.1371/journal.pone.0188309. eCollection 2017. PMID: 29261657
37. Hoppe K, Schwermer K, Olewicz-Gawlik A, Klysz P, Kawka A, Baum E, Sikorska D, Ścigacz K, Roszak M, **Lindholm B**, Pawlaczyk K, Oko A. Dialysis vintage and cardiovascular injury as factors influencing long-term survival in peritoneal dialysis and hemodialysis. *Adv Clin Exp Med.* 2017 Mar-Apr;26(2):251-258. doi: 10.17219/acem/64936. PMID: 28791842
38. Jankowska M, Cobo G, **Lindholm B**, Stenvinkel P. Inflammation and Protein Energy Wasting in the Uremic Milieu. *Contrib Nephrol.* 2017;191:58-71. doi: 10.1159/000479256. Epub 2017 Sep 14. PMID: 28910791
39. Jankowska M, Haarhaus M, Qureshi AR, **Lindholm B**, Evenepoel P, Stenvinkel P. Sclerostin—A Debutant on the Autosomal Dominant Polycystic Kidney Disease Scene? *Kidney Int Rep.* 2017 Jan 10;2(3):481-485. doi: 10.1016/j.ekir.2017.01.001. eCollection 2017 May. PMID: 29142975
40. Klatte DCF, Gasparini A, Xu H, de Deco P, Trevisan M, Johansson ALV, Wettermark B, Ärnlöv J, Janmaat CJ, **Lindholm B**, Dekker FW, Coresh J, Grams ME, Carrero JJ. Association Between

Proton Pump Inhibitor Use and Risk of Progression of Chronic Kidney Disease. *Gastroenterology*. 2017 Sep;153(3):702-710 doi: 10.1053/j.gastro.2017.05.046. PMID: 28583827

41. Machowska A, Alscher MD, Vanga SR, Koch M, Aarup M, Qureshi AR, **Lindholm B**, Rutherford P. Offering Patients Therapy Options in Unplanned Start (OPTiONS): Implementation of an educational program is feasible and effective. *BMC Nephrol*. 2017 Jan 13;18(1):18. doi: 10.1186/s12882-016-0419-z. PMID: 28086826
42. Machowska A, Alscher MD, Vanga SR, Koch M, Aarup M, Qureshi AR, **Lindholm B**, Rutherford P. Dialysis access, infections, and hospitalisations in unplanned dialysis start patients: results from the OPTiONS study. *Int J Artif Organs*. 2017 Mar 16;40(2):48-59. doi: 10.5301/ijao.5000557. PMID: 28218354
43. Nilsson E, Cao Y, **Lindholm B**, Ohyama A, Carrero JJ, Qureshi AR, Stenvinkel P. Pregnancy-associated plasma protein-A predicts survival in end-stage renal disease-confounding and modifying effects of cardiovascular disease, body composition and inflammation. *Nephrol Dial Transplant* 2018 Jun 1;33(6):971-977. doi: 10.1093/ndt/gfx215 PMID: 28992321
44. Prado-Uribe MDC, Ventura MD, Ávila-Díaz M, Mora CJ, Méndez-Durán A, Villanueva-Noches D, Cisneros A, Ilabaca B, Cueto-Manzano A, García-Contreras F, **Lindholm B**, García-López E, Paniagua R. Low triiodothyronine is associated with elevation of N-terminal pro-brain natriuretic peptide (NT-proBNP) and mortality in dialysis patients. *Nefrologia* 2017;37(6):598-607. doi: 10.1016/j.nefro.2017.05.015 PMID: 28755902
45. Su G, Xu H, Marrone G, **Lindholm B**, Wen Z, Liu X, Carrero JJ, Lundborg CS. Chronic kidney disease is associated with poorer in-hospital outcomes in patients hospitalized with infections: Electronic record analysis from China. *Sci Rep*. 2017 Sep 14;7(1):11530. doi: 10.1038/s41598-017-11861-2. PMID: 28912532
46. Stenvinkel Peter, Korkeila Maarit, Heimbürger Olof, **Lindholm B**. Obesity in kidney disease. Chapter 20 in *Handbook of Nutrition and the Kidney*. 7th Edition edited by William E. Mitch and T. Alp Ikizler. Lippincott Williams & Wilkins, Philadelphia, 2017
47. Tong M, Wang Y, Ni J, Weng N, Chen C, Chen H, **Lindholm B**. Clinical features of patients treated by peritoneal dialysis for over a decade. *Am J Clin Exp Urol*. 2017 Nov 9;5(3):49-54. eCollection 2017. PMID: 29181437
48. van Craenenbroeck AH, Bragfors-Helin AC, Qureshi AR, **Lindholm B**, Sjöberg B, Anderstam B, Heimbürger O, Stenvinkel P, Bárány P. Plasma Beta-Trace Protein as a Marker of Residual Renal Function: The Effect of Different Hemodialysis Modalities and Intra-Individual Variability over Time. *Kidney Blood Press Res*. 2017 Nov 22;42(5):877-885. doi: 10.1159/000484537 PMID: 29161688
49. Waniewski J, Antosiewicz S, Baczynski D, Poleszczuk J, Pietribiasi M, **Lindholm B**, Wankowicz Z. Changes of peritoneal transport parameters with time on dialysis: assessment with sequential

- peritoneal equilibration test. *Int J Artif Organs*. 2017 Oct 27;40(11):595-601. doi: 10.5301/ijao.5000622 PMID: 28708209
50. Xu H, Evans M, Gasparini A, Szummer K, Spaak J, Ärnlöv J, **Lindholm B**, Jernberg T, Carrero JJ. Outcomes associated to serum phosphate levels in patients with suspected acute coronary syndrome. *Int J Cardiol*. 2017 Oct 15;245:20-26. doi: 10.1016/j.ijcard.2017.07.050 PMID: 28734575
  51. Xu H, Gasparini A, Ishigami J, Mzayen K, Su G, Barany P, Ärnlöv J, **Lindholm B**, Elinder CG, Matsushita K, Carrero JJ. eGFR and the Risk of Community-Acquired Infections. *Clin J Am Soc Nephrol*. 2017 Sep 7;12(9):1399-1408 doi: 10.2215/CJN.00250117 PMID: 28818849
  52. Anjos JS, Cardozo LFMF, Esgalhado M, **Lindholm B**, Stenvinkel P, Fouque D, Mafra D. Could Low-Protein Diet Modulate Nrf2 Pathway in Chronic Kidney Disease? *J Ren Nutr*. 2018 Jul;28(4):229-234. doi: 10.1053/j.jrn.2017.11.005. PMID: 29452888
  53. Alves FC, Sun J, Qureshi AR, Dai L, Snaedal S, Bárány P, Heimbürger O, **Lindholm B**, Stenvinkel P. The higher mortality associated with low serum albumin is dependent on systemic inflammation in end-stage kidney disease. *PLoS One*. 2018 Jan 3;13(1):e0190410. doi: 10.1371/journal.pone.0190410. eCollection 2018. PMID: 29298330
  54. Carrero JJ, Thomas F, Nagy K, Arogundade F, Avesani CM, Chan M, Chmielewski M, Cordeiro AC, Espinosa-Cuevas A, Fiaccadori E, Guebre-Egziabher F, Hand RK, Hung AM, Ikizler TA, Johansson LR, Kalantar-Zadeh K, Karupaiah T, **Lindholm B**, Marckmann P, Mafra D, Parekh RS, Park J, Russo S, Saxena A, Sezer S, Teta D, Ter Wee PM, Verseput C, Wang AYM, Xu H, Lu Y, Molnar MZ, Kovesdy CP. Global Prevalence of Protein-Energy Wasting in Kidney Disease: A Meta-analysis of Contemporary Observational Studies From the International Society of Renal Nutrition and Metabolism. *J Ren Nutr*. 2018 Nov;28(6):380-392. doi: 10.1053/j.jrn.2018.08.006. PMID: 30348259
  55. Cobo G, **Lindholm B**, Stenvinkel P. Chronic inflammation in end-stage renal disease and dialysis. *Nephrol Dial Transplant*. 2018 Oct 1;33(suppl\_3):iii35-iii40. doi: 10.1093/ndt/gfy175. PMID: 30281126
  56. Hoppe K, Schwermer K, Kawka A, Klysz P, Baum E, Kaluzna M, Sikorska D, Scigacz A, **Lindholm B**, Pawlaczyk K, Oko A. Dialysis vintage stratified comparison of body composition, hydration and nutritional state in peritoneal dialysis and hemodialysis patients. *Arch Med Sci*. 2018 Jun;14(4):807-817. doi: 10.5114/aoms.2016.61902. PMID: 30002698
  57. Hu S, Ming P, Rashid Qureshi A, **Lindholm B**, Bo Y, Yang H. Peritonitis: Episode Sequence, Microbiological Variation, Risk Factors and Clinical Outcomes in a North China Peritoneal Dialysis Center. *Kidney Blood Press Res*. 2018 Oct 22;43(5):1573-1582. doi: 10.1159/000494443. PMID: 30347399
  58. Jankowska M, Qureshi AR, Barany P, Heimbürger O, Stenvinkel P, **Lindholm B**. Do metabolic derangements in end-stage polycystic kidney disease differ versus other primary kidney

- diseases? *Nephrology* (Carlton). 2018 Jan;23(1):31-36. doi: 10.1111/nep.12927. PMID: 27653449
59. Mafra D, Borges NA, Cardozo LFMF, Anjos JS, Black AP, Moraes C, Bergman P, **Lindholm B**, Stenvinkel P. Red meat intake in chronic kidney disease patients: Two sides of the coin. *Nutrition*. 2018 Feb;46:26-32. doi: 10.1016/j.nut.2017.08.015. PMID: 29290351
  60. Mafra D, Gidlund EK, Borges NA, Magliano DC, **Lindholm B**, Stenvinkel P, von Walden F. Bioactive food and exercise in chronic kidney disease: Targeting the mitochondria. *Eur J Clin Invest*. 2018 Aug 25:e13020. doi: 10.1111/eci.13020. PMID: 30144313
  61. Martins ICVS, Borges NA, Stenvinkel P, **Lindholm B**, Rogez H, Pinheiro MCN, Nascimento JLM, Mafra D. The value of the Brazilian açai fruit as a therapeutic nutritional strategy for chronic kidney disease patients. *Int Urol Nephrol*. 2018 Dec;50(12):2207-2220. doi: 10.1007/s11255-018-1912-z PMID: 29915880
  62. Molanaei H, Qureshi AR, Heimbürger O, **Lindholm B**, Diczfalusy U, Anderstam B, Bertilsson L, Stenvinkel P. Inflammation down-regulates CYP3A4-catalysed drug metabolism in hemodialysis patients. *BMC Pharmacol Toxicol*. 2018 Jun 25;19(1):33. doi: 10.1186/s40360-018-0221-6. PMID: 29941014
  63. Morelle J, Sow A, Fustin CA, Fillée C, Garcia-Lopez E, **Lindholm B**, Goffin E, Vandemaele F, Rippe B, Öberg CM, Devuyst O. Mechanisms of Crystalloid versus Colloid Osmosis across the Peritoneal Membrane. *J Am Soc Nephrol*. 2018 Jul;29(7):1875-1886. doi: 10.1681/ASN.2017080828 PMID: 29844208
  64. Mukai H, Ming P, **Lindholm B**, Heimbürger O, Barany P, Anderstam B, Stenvinkel P, Qureshi AR. Restrictive lung disorder is common in patients with kidney failure and associates with protein-energy wasting, inflammation and cardiovascular disease. *PLoS One*. 2018 Apr 27;13(4):e0195585. doi: 10.1371/journal.pone.0195585. eCollection 2018. PMID: 29702682
  65. Mukai H, Ming P, **Lindholm B**, Heimbürger O, Barany P, Stenvinkel P, Qureshi AR. Lung Dysfunction and Mortality in Patients with Chronic Kidney Disease. *Kidney Blood Press Res*. 2018;43(2):522-535. doi: 10.1159/000488699 PMID: 29627840
  66. Mukai H, Villafuerte H, Qureshi AR, **Lindholm B**, Stenvinkel P. Serum albumin, inflammation, and nutrition in end-stage renal disease: C-reactive protein is needed for optimal assessment. *Semin Dial*. 2018 Sep;31(5):435-439. doi: 10.1111/sdi.12731 PMID: 29926516
  67. Nilsson E, De Deco P, Trevisan M, Bellocco R, **Lindholm B**, Lund LH, Coresh J, Carrero JJ. A real-world cohort study on the quality of potassium and creatinine monitoring during initiation of mineralocorticoid receptor antagonists in patients with heart failure. *Eur Heart J Qual Care Clin Outcomes*. 2018 Oct 1;4(4):267-273. doi:10.1093/ehjqcco/qcy019 PMID: 29726982

68. Pietribiasi M, Waniewski J, Wójcik-Zańska A, Zańska W, **Lindholm B**. Model of fluid and solute shifts during hemodialysis with active transport of sodium and potassium. *PLoS One*. 2018 Dec 28;13(12):e0209553. doi: 10.1371/journal.pone.0209553. eCollection 2018. PMID: 30592754
69. Su G, Xu Y, Xu X, Xu H, Lu L, Marrone G, **Lindholm B**, Wen Z, Liu X, Johnson DW, Carrero JJ, Stålsby Lundborg C. Association between reduced renal function and cardiovascular mortality in patients hospitalized with infection: A multi-center cohort study. *Eur J Intern Med*. 2018 Nov;57:32-38. doi: 10.1016/j.ejim.2018.06.017 PMID: 29958748
70. Su G, Xu H, Riggi E, He Z, Lu L, **Lindholm B**, Marrone G, Wen Z, Liu X, Johnson DW, Carrero JJ, Lundborg CS. Association of Kidney Function with Infections by Multidrug-Resistant Organisms: An Electronic Medical Record Analysis. *Sci Rep*. 2018 Sep 6;8(1):13372. doi: 10.1038/s41598-018-31612-1 PMID: 30190585
71. Trevisan M, de Deco P, Xu H, Evans M, **Lindholm B**, Bellocco R, Barany P, Jernberg T, Lund LH, Carrero JJ. Incidence, predictors and clinical management of hyperkalaemia in new users of mineralocorticoid receptor antagonists. *Eur J Heart Fail*. 2018 Apr 18. doi: 10.1002/ejhf.1199. PMID: 29667759
72. Villela-Torres ML, Higareda-Mendoza AE, Gómez-García A, Alvarez-Paredes AR, García-López E, Stenvinkel P, Gu HF, Rashid-Qureshi A, **Lindholm B**, Alvarez-Aguilar C. Copeptin Plasma Levels are Associated With Decline of Renal Function in Patients With Type 2 Diabetes Mellitus. *Arch Med Res*. 2018 Jan;49(1):36-43. doi: 10.1016/j.arcmed.2018.04.002 PMID: 29665969
73. Yao Q, Dong J, Feng T, **Lindholm B**. What PD research in China tells us. *Perit Dial Int*. 2018 Dec;38(Suppl 2):S19-S24. doi: 10.3747/pdi.2018.00027 PMID: 30315043
74. Aguiar R, Pei M, Qureshi AR, **Lindholm B**. Health-related quality of life in peritoneal dialysis patients: A narrative review. *Semin Dial*. 2019 Sep;32(5):452-462. doi: 10.1111/sdi.12770. PMID: 3057512
75. Boltenstål H, Qureshi AR, Behets GJ, **Lindholm B**, Stenvinkel P, D'Haese PC, Haarhaus M. Association of Serum Sclerostin with Bone Sclerostin in Chronic Kidney Disease is Lost in Glucocorticoid Treated Patients. *Calcif Tissue Int*. 2019 Feb;104(2):214-223. doi: 10.1007/s00223-018-0491-4 PMID: 30406279
76. Borges NA, Stenvinkel P, Bergman P, Qureshi AR, **Lindholm B**, Moraes C, Stockler-Pinto MB, Mafra D. Effects of Probiotic Supplementation on Trimethylamine-N-Oxide Plasma Levels in Hemodialysis Patients: a Pilot Study. *Probiotics Antimicrob Proteins*. 2019 Jun;11(2):648-654. doi: 10.1007/s12602-018-9411-1. PMID: 29651635
77. Carrero JJ, Stenvinkel P and **Lindholm B**. Endocrine Aspects of Chronic Kidney Disease. Chapter 56 for Brenner & Rector's *The Kidney*. 11th Edition. Eds Yu A, Chertow G, Luyckx V et al. Elsevier 2019 ISBN: 9780323532655



78. Chen Z, Qureshi AR, Brismar TB, Ripsweden J, Haarhaus M, Barany P, Heimbürger O, **Lindholm B**, Stenvinkel P. Differences in association of lower bone mineral density with higher coronary calcification in female and male end-stage renal disease patients. *BMC Nephrol.* 2019 Feb 18;20(1):59. doi: 10.1186/s12882-019-1235-z. PMID: 30777028
79. Dai L, Qureshi AR, Witasz A, **Lindholm B**, Stenvinkel P. Early Vascular Ageing and Cellular Senescence in Chronic Kidney Disease. *Comput Struct Biotechnol J.* 2019 Jun 18;17:721-729. doi: 10.1016/j.csbj.2019.06.015 PMID: 31303976
80. Dai L, Watanabe M, Qureshi AR, Mukai H, Machowska A, Heimbürger O, Barany P, **Lindholm B**, Stenvinkel P. Serum 8-hydroxydeoxyguanosine, a marker of oxidative DNA damage, is associated with mortality independent of inflammation in chronic kidney disease. *Eur J Intern Med.* 2019 Oct;68:60-65. doi: 10.1016/j.ejim.2019.07.035. PMID: 31402276
81. de Almeida Alvarenga L, Borges NA, Moreira LSG, Resende Teixeira KT, Carraro-Eduardo JC, Dai L, Stenvinkel P, **Lindholm B**, Mafra D. Cranberries - potential benefits in patients with chronic kidney disease. *Food Funct.* 2019 Jun 19;10(6):3103-3112. doi: 10.1039/c9fo00375d. PMID: 31140512
82. Fijałkowski M, Safranow K, **Lindholm B**, Ciechanowski K, Muraszko AM, Dołęgowska B, Dołęgowska K, Golembiewska E. Dialysate copeptin and peritoneal transport in incident peritoneal dialysis patients. *Int Urol Nephrol.* 2019 Sep;51(9):1667-1673. doi: 10.1007/s11255-019-02191-5 PMID: 31187425
83. Fu EL, Trevisan M, Clase CM, Evans M, **Lindholm B**, Rotmans JJ, van Diepen M, Dekker FW, Carrero JJ. Association of Acute Increases in Plasma Creatinine after Renin-Angiotensin Blockade with Subsequent Outcomes. *Clin J Am Soc Nephrol.* 2019 Sep 6;14(9):1336-1345. doi: 10.2215/CJN.03060319. PMID: 31395593
84. Mafra D, Esgalhado M, Borges NA, Cardozo LFMF, Stockler-Pinto MB, Craven H, Buchanan SJ, **Lindholm B**, Stenvinkel P, Shiels PG. Methyl Donor Nutrients in Chronic Kidney Disease: Impact on the Epigenetic Landscape. *J Nutr.* 2019 Mar 1;149(3):372-380. doi: 10.1093/jn/nxy289. PMID: 30796783
85. Mafra D, Borges N, Alvarenga L, Esgalhado M, Cardozo L, **Lindholm B**, Stenvinkel P. Dietary Components That May Influence the Disturbed Gut Microbiota in Chronic Kidney Disease. *Nutrients.* 2019 Feb 27;11(3). pii: E496. doi: 10.3390/nu11030496. Review. PMID: 30818761
86. Mafra D, Borges NA, **Lindholm B**, Stenvinkel P. Mitochondrial dysfunction and gut microbiota imbalance: An intriguing relationship in chronic kidney disease. *Mitochondrion.* 2019 Jul;47:206-209. doi: 10.1016/j.mito.2018.11.006. PMID: 30408595
87. Mukai H, Svedberg O, **Lindholm B**, Dai L, Heimbürger O, Barany P, Anderstam B, Stenvinkel P, Qureshi AR. Skin autofluorescence, arterial stiffness and Framingham risk score as predictors

- of clinical outcome in chronic kidney disease patients: a cohort study. *Nephrol Dial Transplant*. 2019 Mar 1;34(3):442-448. doi: 10.1093/ndt/gfx371. PMID: 29378035
88. Olofsson C, Anderstam B, Bragfors-Helin AC, Eriksson M, Qureshi AR, **Lindholm B**, Hilding A, Wiczkowski W, Orsini N, Stenvinkel P, Rajamand Ekberg N. Effects of acute fructose loading on levels of serum uric acid—a pilot study. *Eur J Clin Invest*. 2019 Jan;49(1):e13040. doi: 10.1111/eci.13040. Epub 2018 Nov 16. PMID: 30368775
  89. Olszowska A, Waniewski J, Stachowska-Pietka J, Garcia-Lopez E, **Lindholm B**, Wańkowicz Z. Long Peritoneal Dialysis Dwells with Icodextrin: Kinetics of Transperitoneal Fluid and Polyglucose Transport. *Front Physiol*. 2019 Oct 29;10:1326. doi: 10.3389/fphys.2019.01326. eCollection 2019. PMID: 31736769
  90. Pei M, Aguiar R, Pagels AA, Heimbürger O, Stenvinkel P, Bárányi P, Medin C, Jacobson SH, Hylander B, **Lindholm B**, Qureshi AR. Health-related quality of life as predictor of mortality in end-stage renal disease patients: an observational study. *BMC Nephrol*. 2019 Apr 29;20(1):144. doi: 10.1186/s12882-019-1318-x. PMID: 31035977
  91. Rodrigues J, Santin F, Brito FDSB, **Lindholm B**, Stenvinkel P, Avesani CM. Nutritional status of older patients on hemodialysis: Which nutritional markers can best predict clinical outcomes? *Nutrition*. 2019 Sep;65:113-119. doi: 10.1016/j.nut.2019.03.002. PMID: 31082788
  92. Romani RF, Waniewski J, Kruger L, **Lindholm B**, Nascimento MM. Comparison of three PET methods to assess peritoneal membrane transport. *Braz J Med Biol Res*. 2019;52(8):e8596. doi: 10.1590/1414-431X20198596. PMID: 31389491
  93. Runesson B, Qureshi AR, Xu H, Gasparini A, **Lindholm B**, Barany P, Elinder CG, Carrero JJ. Causes of death across categories of estimated glomerular filtration rate: The Stockholm CREATinine Measurements (SCREAM) project. *PLoS One*. 2019 Jan 16;14(1):e0209440. doi: 10.1371/journal.pone.0209440. eCollection 2019. PMID: 30650090
  94. Runesson B, Trevisan M, Iseri K, Qureshi AR, **Lindholm B**, Barany P, Elinder CG, Carrero JJ. Fractures and their sequelae in non-dialysis-dependent chronic kidney disease: the Stockholm CREATinine measurements project. *Nephrol Dial Transplant*. 2020 Nov 1;35(11):1908-1915. doi: 10.1093/ndt/gfz142 PMID: 31361316
  95. Sanabria M, Buitrago G, **Lindholm B**, Vesga J, Nilsson LG, Yang D, Bunch A, Rivera A. Remote Patient Monitoring Program in Automated Peritoneal Dialysis: Impact on Hospitalizations. *Perit Dial Int*. 2019 Sep-Oct;39(5):472-478. doi: 10.3747/pdi.2018.00287. PMID: 31337698
  96. Santin F, Canella D, Borges C, **Lindholm B**, Avesani CM. Dietary Patterns of Patients with Chronic Kidney Disease: The Influence of Treatment Modality. *Nutrients*. 2019 Aug 15;11(8):1920. doi: 10.3390/nu11081920. PMID: 31443269
  97. Stachowska-Pietka J, Poleszczuk J, Flessner MF, **Lindholm B**, Waniewski J. Alterations of peritoneal transport characteristics in dialysis patients with ultrafiltration failure: tissue and

- capillary components. *Nephrol Dial Transplant*. 2019 May 1;34(5):864-870. doi: 10.1093/ndt/gfy313. PMID: 3040381
98. Su G, Liu Z, Qin X, Hong X, Liu X, Wen Z, **Lindholm B**, Carrero JJ, Johnson DW, Brusselsaers N, Stålsby Lundborg C. Vitamin D deficiency and treatment versus risk of infection in end-stage renal disease patients under dialysis: a systematic review and meta-analysis. *Nephrol Dial Transplant*. 2019 Jan 1;34(1):146-156. doi: 10.1093/ndt/gfy216. PMID: 30060084
99. Vavilis G, Bäck M, Occhino G, Trevisan M, Bellocco R, Evans M, **Lindholm B**, Szummer K, Carrero JJ. Kidney Dysfunction and the Risk of Developing Aortic Stenosis. *J Am Coll Cardiol*. 2019 Jan 29;73(3):305-314. doi: 10.1016/j.jacc.2018.10.068. PMID: 30678761
100. Ward RA, Beck W, Bernardo AA, Alves FC, Stenvinkel P, **Lindholm B**. Hypoalbuminemia: a price worth paying for improved dialytic removal of middle-molecular-weight uremic toxins? *Nephrol Dial Transplant*. 2019 Jun 1;34(6):901-907. doi: 10.1093/ndt/gfy236. PMID: 30102329
101. Xu H, Matsushita K, Su G, Trevisan M, Ärnlöv J, Barany P, **Lindholm B**, Elinder CG, Lambe M, Carrero JJ. Estimated Glomerular Filtration Rate and the Risk of Cancer. *Clin J Am Soc Nephrol*. 2019 Apr 5;14(4):530-539. doi: 10.2215/CJN.10820918. Epub 2019 Mar 14. PMID: 3087227
102. Alvarenga L, Salarolli R, Cardozo LFMF, Santos RS, de Brito JS, Kemp JA, Reis D, de Paiva BR, Stenvinkel P, **Lindholm B**, Fouque D, Mafra D. Impact of curcumin supplementation on expression of inflammatory transcription factors in hemodialysis patients: A pilot randomized, double-blind, controlled study. *Clin Nutr*. 2020 Mar 13. pii: S0261-5614(20)30110-2. doi: 10.1016/j.clnu.2020.03.007. PMID: 32204978
103. Alvarenga L, Cardozo LFMF, Borges NA, **Lindholm B**, Stenvinkel P, Shiels PG, Fouque D, Mafra D. Can nutritional interventions modulate the activation of the NLRP3 inflammasome in chronic kidney disease? *Food Res Int*. 2020 Oct;136:109306. doi: 10.1016/j.foodres.2020.109306. PMID: 32846516
104. Alvarenga L, Cardozo LFMF, **Lindholm B**, Stenvinkel P, Mafra D. Intestinal alkaline phosphatase modulation by food components: predictive, preventive, and personalized strategies for novel treatment options in chronic kidney disease. *EPMA J*. 2020 Nov 18;11(4):565-579. doi: 10.1007/s13167-020-00228-9. eCollection 2020 Dec. PMID: 33240450
105. Coelho VA, Santos GG, Avesani CM, Bezerra CIL, Silva LCA, Lauer JC, **Lindholm B**, Stenvinkel P, Jacob-Filho W, Noronha IL, Zatz R, Moysés RMA, Elias RM. Design and methodology of the Aging Nephropathy Study (AGNES): a prospective cohort study of elderly patients with chronic kidney disease. *BMC Nephrol*. 2020 Nov 7;21(1):461. doi: 10.1186/s12882-020-02116-w. PMID: 33160321
106. Corzo L, Wilkie M, Vesga JI, **Lindholm B**, Buitrago G, Rivera AS, Sanabria RM. Technique failure in remote patient monitoring program in patients undergoing automated peritoneal dialysis: A retrospective cohort study. *Perit Dial Int*. 2020 Dec 31;896860820982223. doi: 10.1177/0896860820982223. PMID: 33380265

107. Dai L, Plunde O, Qureshi AR, **Lindholm B**, Brismar TB, Schurgers LJ, Söderberg M, Ripsweden J, Bäck M, Stenvinkel P. Aortic Valve Calcium Associates with All-Cause Mortality Independent of Coronary Artery Calcium and Inflammation in Patients with End-Stage Renal Disease. *J Clin Med*. 2020 Feb 24;9(2). pii: E607. doi: 10.3390/jcm9020607. PMID: 32102408
108. Dai L, Debowska M, Lukaszuk T, Bobrowski L, Barany P, Söderberg M, Thiagarajan D, Frostegård J, Wennberg L, **Lindholm B**, Qureshi AR, Waniewski J, Stenvinkel P. Phenotypic features of vascular calcification in chronic kidney disease. *J Intern Med*. 2020 Apr;287(4):422-434. doi: 10.1111/joim.13012. PMID: 31823455
109. Debowska M, Dai L, Wojcik-Zaluska A, Poleszczuk J, Zaluska W, **Lindholm B**, Waniewski J. Association between Biomarkers of Mineral and Bone Metabolism and Removal of Calcium and Phosphate in Hemodialysis. *Blood Purif*. 2020;49(1-2):71-78. doi: 10.1159/000503623. PMID: 31726453
110. Debowska M, Gomez R, Pinto J, Waniewski J, **Lindholm B**. Phosphate clearance in peritoneal dialysis. *Sci Rep*. 2020 Oct 15;10(1):17504. doi: 10.1038/s41598-020-74412-2. PMID: 33060672
111. Eroglu E, Kocyigit I, **Lindholm B**. The endothelin system as target for therapeutic interventions in cardiovascular and renal disease. *Clin Chim Acta*. 2020 Mar 6. pii: S0009-8981(20)30110-8. doi: 10.1016/j.cca.2020.03.008. PMID: 32151622
112. Evans M, Xu H, Rydell H, Prütz KG, **Lindholm B**, Stendahl M, Segelmark M, Carrero JJ. Association Between Implementation Of Novel Therapies And Improved Survival In Patients Starting Hemodialysis: The Swedish Renal Registry 2006-2015. *Nephrol Dial Transplant*. 2020 Dec 16:gfaa357. doi: 10.1093/ndt/gfaa357. PMID: 3332603
113. Golembiewska E, Qureshi AR, Dai L, **Lindholm B**, Heimbürger O, Söderberg M, Brismar TB, Ripsweden J, Barany P, Johnson RJ, Stenvinkel P. Copeptin is independently associated with vascular calcification in chronic kidney disease stage 5. *BMC Nephrol*. 2020 Feb 7;21(1):43. doi: 10.1186/s12882-020-1710-6. PMID: 32033584
114. González-Ortiz A, Xu H, Avesani CM, **Lindholm B**, Cederholm T, Risérus U, Ärnlöv J, Espinosa-Cuevas A, Carrero JJ. Plant-based diets, insulin sensitivity and inflammation in elderly men with chronic kidney disease. *J Nephrol* 2020 Oct;33(5):1091-1101. doi: 10.1007/s40620-020-00765-6
115. Iseri K, Carrero JJ, Evans M, Felländer-Tsai L, Berg H, Runesson B, Stenvinkel P, **Lindholm B**, Qureshi AR. Major fractures after initiation of dialysis: Incidence, predictors and association with mortality. *Bone*. 2020 Jan 17:115242. doi: 10.1016/j.bone.2020.115242. PMID: 31958531
116. Iseri K, Qureshi AR, Dai L, Ripsweden J, Heimbürger O, Barany P, Bergström I, Stenvinkel P, Brismar TB, **Lindholm B**. Bone mineral density at different sites and 5 years mortality in end-

- stage renal disease patients: A cohort study. *Bone*. 2020 Jan;130:115075. doi: 10.1016/j.bone.2019.115075. PMID: 31669253
117. Iseri K, Dai L, Chen Z, Qureshi AR, Brismar TB, Stenvinkel P, **Lindholm B**. Bone mineral density and mortality in end-stage renal disease patients. *Clin Kidney J*. 2020 Jun 26;13(3):307-321. doi: 10.1093/ckj/sfaa089. PMID: 32699616
118. Iseri K, Carrero JJ, Evans M, Felländer-Tsai L, Berg HE, Runesson B, Stenvinkel P, **Lindholm B**, Qureshi AR. Incidence of fractures before and after dialysis initiation. *J Bone Miner Res*. 2020 Jul 27. doi: 10.1002/jbmr.4141. PMID: 32717115
119. Iseri K, Carrero JJ, Evans M, Felländer-Tsai L, Berg HE, Runesson B, Stenvinkel P, **Lindholm B**, Qureshi AR. Fractures after kidney transplantation: Incidence, predictors, and association with mortality. *Bone*. 2020 Jul 27:115554. doi: 10.1016/j.bone.2020.115554. PMID: 32730931
120. Kato S, **Lindholm B**, Qureshi AR, Mukai H, Yuzawa Y, Maruyama S. Inter-leg systolic blood pressure difference predicts cardiovascular events and mortality in incident hemodialysis patients. *Int J Artif Organs*. 2020 Apr;43(4):217-224. doi: 10.1177/0391398819882703.
121. **Lindholm B**, Davies SJ, Yao Q, Yu Z, Fang W, Ni Z. In memoriam: Jiaqi Qian, 1939-2019: Pioneer of PD in China. *Perit Dial Int*. 2020; 40:433-434 doi: 10.1177/0896860820920131. PMID: 32329407
122. Mukai H, Dai L, Chen Z, **Lindholm B**, Ripsweiden J, Brismar TB, Heimbürger O, Barany P, Qureshi AR, Söderberg M, Bäck M, Stenvinkel P. Inverse J-shaped relation between coronary arterial calcium density and mortality in advanced chronic kidney disease. *Nephrol Dial Transplant*. 2020 Jul 1;35(7):1202-1211. doi: 10.1093/ndt/gfy352. PMID: 30534995
123. Niu YY, Zhang YY, Zhu Z, Zhang XQ, Liu X, Zhu SY, Song Y, Jin X, **Lindholm B**, Yu C. Elevated intracellular copper contributes a unique role to kidney fibrosis by lysyl oxidase mediated matrix crosslinking. *Cell Death Dis*. 2020 Mar 31;11(3):211. doi: 10.1038/s41419-020-2404-5. PMID: 32235836
124. Pstras L, Waniewski J, **Lindholm B**. Transcapillary transport of water, small solutes and proteins during hemodialysis. *Sci Rep*. 2020 Oct 30;10(1):18736. doi: 10.1038/s41598-020-75687-1. PMID: 33127932
125. Runesson B, Xu Y, Qureshi AR, **Lindholm B**, Barany P, Elinder CG, Carrero JJ. Association between reduced kidney function and incident hypoglycaemia in people with diabetes: The Stockholm Creatinine Measurements (SCREAM) project. *Diabetes Obes Metab*. 2020 Aug;22(8):1425-1435. doi: 10.1111/dom.14051. PMID: 32250539

126. Zhang XQ, Li X, Zhou WQ, Liu X, Huang JL, Zhang YY, **Lindholm B**, Yu C. Serum Lysyl Oxidase Is a Potential Diagnostic Biomarker for Kidney Fibrosis. *Am J Nephrol*. 2020 Nov 5:1-12. doi: 10.1159/000509381. PMID: 33152735
127. Avesani CM, Sabatino A, Guerra A, Rodrigues J, Carrero JJ, Rossi GM, Garibotto G, Stenvinkel P, Fiaccadori E, **Lindholm B**. A Comparative Analysis of Nutritional Assessment Using Global Leadership Initiative on Malnutrition Versus Subjective Global Assessment and Malnutrition Inflammation Score in Maintenance Hemodialysis Patients. *J Ren Nutr*. 2021 Jul 27:S1051-2276(21)00172-2. doi: 10.1053/j.jrn.2021.06.008. Online ahead of print. PMID: 34330567
128. Avesani CM, Heimbürger O, Stenvinkel P and **Lindholm B**. Nutritional management of chronic peritoneal dialysis patients. Chapter 32 in *Nutritional Management of Renal Disease 4th edition* (eds. Joel D Kopple, Shaul Massry, Kamyar Kalantar-Zadeh, Denis Fouque), Elsevier 2021.
129. Bichels AV, Cordeiro AC, Avesani CM, Amparo FC, Giglio J, Souza NC, Pinho N, Amodeo C, Carrero JJ, **Lindholm B**, Stenvinkel P, Kamimura MA. Muscle Mass Assessed by Computed Tomography at the Third Lumbar Vertebra Predicts Patient Survival in Chronic Kidney Disease. *J Ren Nutr*. 2021 Jul;31(4):342-350. doi: 10.1053/j.jrn.2020.05.007. Epub 2020 Nov 27. PMID: 33257228
130. Cardozo LFMF, Alvarenga LA, Ribeiro M, Dai L, Shiels PG, Stenvinkel P, **Lindholm B**, Mafra D. Cruciferous vegetables: rationale for exploring potential salutary effects of sulforaphane-rich foods in patients with chronic kidney disease. *Nutr Rev*. 2021 Oct 11;79(11):1204-1224. doi: 10.1093/nutrit/nuaa129. PMID: 33338213
131. Chen Z, Zhang X, Han F, Xie X, Hua Z, Huang X, **Lindholm B**, Haarhaus M, Stenvinkel P, Qureshi AR, Chen J. High alkaline phosphatase and low intact parathyroid hormone associate with worse clinical outcome in peritoneal dialysis patients. *Perit Dial Int*. 2021 Mar;41(2):236-243. doi: 10.1177/0896860820918131. Epub 2020 May 4. PMID: 32363998
132. Dai L, Li L, Erlandsson H, Jaminon AMG, Qureshi AR, Ripsweden J, Brismar TB, Witasp A, Heimbürger O, Jørgensen HS, Barany P, **Lindholm B**, Evenepoel P, Schurgers LJ, Stenvinkel P. Functional vitamin K insufficiency, vascular calcification and mortality in advanced chronic kidney disease: A cohort study. *PLoS One*. 2021 Feb 24;16(2):e0247623. doi: 10.1371/journal.pone.0247623. eCollection 2021. PMID: 33626087
133. Fu EL, Clase CM, Evans M, **Lindholm B**, Rotmans JI, Dekker FW, van Diepen M, Carrero JJ. Comparative Effectiveness of Renin-Angiotensin System Inhibitors and Calcium Channel Blockers in Individuals With Advanced CKD: A Nationwide Observational Cohort Study. *Am J Kidney Dis*. 2021 May;77(5):719-729.e1. doi: 10.1053/j.ajkd.2020.10.006. PMID: 33246024
134. González-Ortiz A, Xu H, Ramos-Acevedo S, Avesani CM, **Lindholm B**, Correa-Rotter R, Espinosa-Cuevas Á, Carrero JJ. Nutritional status, hyperkalaemia and attainment of energy/protein intake targets in haemodialysis patients following plant-based diets: a longitudinal cohort study. *Nephrol Dial Transplant*. 2021 Mar 29;36(4):681-688. doi: 10.1093/ndt/gfaa194. PMID: 33020805

135. Heaf J, Heiro M, Petersons A, Vernere B, Povlsen JV, Sørensen AB, Clyne N, Bumblyte I, Zilinskiene A, Randers E, Løkkegaard N, Ots-Rosenberg M, Kjellevoid S, Kampmann JD, Rogland B, Lagreid I, Heimbürger O, **Lindholm B**. Suboptimal dialysis initiation is associated with comorbidities and uraemia progression rate but not with estimated glomerular filtration rate. *Clin Kidney J*. 2020 Apr 17;14(3):933-942. doi: 10.1093/ckj/sfaa041. eCollection 2021 Mar. PMID: 33777377
136. Heaf J, Heiro M, Petersons A, Vernere B, Povlsen JV, Sørensen AB, Clyne N, Bumblyte I, Zilinskiene A, Randers E, Løkkegaard N, Ots-Rosenberg M, Kjellevoid S, Kampmann JD, Rogland B, Lagreid I, Heimbürger O, **Lindholm B**. Choice of dialysis modality among patients initiating dialysis: results of the Peridialysis study. *Clin Kidney J*. 2020 Dec 24;14(9):2064-2074. doi: 10.1093/ckj/sfaa260. eCollection 2021 Sep. PMID: 34476093
137. Iseri K, Carrero JJ, Evans M, Runesson B, Stenvinkel P, **Lindholm B**, Berg HE, Felländer-Tsai L, Qureshi AR. Secular trends in hip fracture incidence and subsequent mortality in dialysis patients and the general population in Sweden. *Bone*. 2021 Mar 11:115909. doi: 10.1016/j.bone.2021.115909. PMID: 33716163
138. Iseri K, Qureshi AR, Ripsweiden J, Heimbürger O, Barany P, Bergström IB, Stenvinkel P, Brismar TB, **Lindholm B**. Sparing effect of peritoneal dialysis vs hemodialysis on BMD changes and its impact on mortality. *J Bone Miner Metab*. 2021 Mar;39(2):260-269 doi: 10.1007/s00774-020-01144-8. PMID: 32888063
139. Jankowska M., **Lindholm B**., Stenvinkel P. (2021) Cardiovascular Disease and Inflammation. In: Khanna R., Krediet R.T. (eds) *Nolph and Gokal's Textbook of Peritoneal Dialysis*. Springer, Cham. doi.org/10.1007/978-3-319-90760-4\_23-1
140. Mafra D, Borges NA, **Lindholm B**, Shiels PG, Evenepoel P, Stenvinkel P. Food as medicine: targeting the uraemic phenotype in chronic kidney disease. *Nat Rev Nephrol*. 2021 Mar;17(3):153-171. doi: 10.1038/s41581-020-00345-8. PMID: 32963366
141. Marques GL, Hayashi S, Bjällmark A, Larsson M, Riella M, Olandoski M, **Lindholm B**, Nascimento MM. Osteoprotegerin is a marker of cardiovascular mortality in patients with chronic kidney disease stages 3-5. *Sci Rep*. 2021 Jan 28;11(1):2473. doi: 10.1038/s41598-021-82072-z. PMID: 3351034
142. Muto R, Kato S, **Lindholm B**, Qureshi AR, Ishimoto T, Kosugi T, Maruyama S. Increased Monocyte/Lymphocyte Ratio as Risk Marker for Cardiovascular Events and Infectious Disease Hospitalization in Dialysis Patients. *Blood Purif*. 2021 Nov 23:1-9. doi: 10.1159/000519289. PMID: 34814140
143. Kyriakidis NC, Cobo G, Dai L, **Lindholm B**, Stenvinkel P. Role of Uremic Toxins in Early Vascular Ageing and Calcification. *Toxins (Basel)*. 2021 Jan 3;13(1):26. doi: 10.3390/toxins13010026. PMID: 33401534

144. Pstras L, Waniewski J, **Lindholm B**. Monitoring relative blood volume changes during hemodialysis: impact of the priming procedure impact of the priming procedure impact of the priming procedure. *Artif Organs*. 2021 Oct;45(10):1189-1194. doi: 10.1111/aor.13972. PMID: 33908070
145. Sabatino A, Cuppari L, Stenvinkel P, **Lindholm B**, Avesani CM. Sarcopenia in chronic kidney disease: what have we learned so far? *J Nephrol*. 2020 J Nephrol. 2021 Aug;34(4):1347-1372 PMID: 32876940
146. Sanabria RM, Vesga JI, Johnson DW, Rivera AS, Buitrago G, **Lindholm B**, Sanchez R. Dialysis Outcomes in a Middle-Income Country: An Updated Comparison of Patient Mortality between Hemodialysis and Peritoneal Dialysis. *Blood Purif*. 2021 Dec 10:1-11. doi: 10.1159/000520518. Online ahead of print. PMID: 34903682
147. Stachowska-Pietka J, Naumnik B, Suchowierska E, Gomez R, Waniewski J, **Lindholm B**. Water removal during automated peritoneal dialysis assessed by remote patient monitoring and modelling of peritoneal tissue hydration. *Sci Rep*. 2021 Aug 2;11(1):15589. doi: 10.1038/s41598-021-95001-x. PMID: 34341373
148. Xu H, Garcia-Ptacek S, Trevisan M, Evans M, **Lindholm B**, Eriksdotter M, Carrero Pharm JJ. Kidney Function, Kidney Function Decline, and the Risk of Dementia in Older Adults: A Registry-Based Study. *Neurology*. 2021 May 5;96(24):e2956-65. doi: 10.1212/WNL.0000000000012113. PMID: 33952656
149. Waniewski J, Stachowska-Pietka J, **Lindholm B**. On the change of transport parameters with dwell time during peritoneal dialysis. *Perit Dial Int*. 2021 Jul;41(4):404-412. doi: 10.1177/0896860820971519. PMID: 33190614
150. Xu Y, Li L, Evans M, Xu H, **Lindholm B**, Carrero JJ. Burden and causes of hospital admissions and readmissions in patients undergoing hemodialysis and peritoneal dialysis: a nationwide study. *J Nephrol*. 2021 May 13. doi: 10.1007/s40620-021-01023-z. PMID: 33987824
151. Xu H, Garcia-Ptacek S, **Lindholm B**, Eriksdotter M, Carrero JJ. Author Response: Kidney Function, Kidney Function Decline, and the Risk of Dementia in Older Adults. *Neurology*. 2021 Nov 16;97(20):967. doi: 10.1212/WNL.0000000000012876. PMID: 34782416
152. Xu H, **Lindholm B**, Lundström UH, Heimbürger O, Stendahl M, Rydell H, Segelmark M, Carrero JJ, Evans M. Treatment practices and outcomes in incident peritoneal dialysis patients: the Swedish Renal Registry 2006-2015. *Clin Kidney J*. 2021 Jul 9;14(12):2539-2547. doi: 10.1093/ckj/sfab130. PMID: 34950465
153. Avesani CM, Sabatino A, Guerra A, Rodrigues J, Carrero JJ, Rossi GM, Garibotto G, Stenvinkel P, Fiaccadori E, **Lindholm B**. A Comparative Analysis of Nutritional Assessment Using Global Leadership Initiative on Malnutrition Versus Subjective Global Assessment and Malnutrition Inflammation Score in Maintenance Hemodialysis Patients. *J Ren Nutr*. 2022 Jul;32(4):476-482. doi: 10.1053/j.jrn.2021.06.008. PMID: 34330567 Free article.



154. Avesani CM, Cardozo LF, Yee-Moon Wang A, Shiels PG, Lambert K, **Lindholm B**, Stenvinkel P, Mafra D. Planetary Health, Nutrition and Chronic Kidney Disease: Connecting the Dots for a Sustainable Future. *J Ren Nutr.* 2022 Sep 28:S1051-2276(22)00161-3. doi: 10.1053/j.jrn.2022.09.003. PMID: 36182058
155. Chen Z, Nilsson E, **Lindholm B**, Heimbürger O, Barany P, Stenvinkel P, Qureshi AR, Chen J. Low plasma insulin-like growth factor-1 associates with increased mortality in chronic kidney disease patients with reduced muscle strength. *J Ren Nutr.* 2022 Jul 2:S1051-2276(22)00122-4. doi: 10.1053/j.jrn.2022.06.008. PMID: 35792256
156. Corzo L, Wilkie M, Vesga JI, **Lindholm B**, Buitrago G, Rivera AS, Sanabria RM. Technique failure in remote patient monitoring program in patients undergoing automated peritoneal dialysis: A retrospective cohort study. *Perit Dial Int.* 2022 May;42(3):288-296. doi: 10.1177/0896860820982223. PMID: 33380265
157. Eroglu E, Heimbürger O, **Lindholm B**. Peritoneal dialysis patient selection from a comorbidity perspective. *Semin Dial.* 2022 Jan;35(1):25-39. doi: 10.1111/sdi.12927. PMID: 33094512
158. Espinosa-Cuevas Angeles, González-Ortiz Ailema, **Lindholm Bengt**, Kalantar-Zadeh Kamyar, Carrero Juan Jesus. Protein-Energy Wasting During Peritoneal Dialysis. Chapter in Nolph and Gokal's Textbook of Peritoneal Dialysis, 4th Edition 2022. Eds: Khanna, Ramesh, Krediet, Raymond T. ISBN 978-3-030-62086-8
159. Fu EL, Clase CM, Janse RJ, **Lindholm B**, Dekker FW, Jardine MJ, Carrero JJ. Comparative effectiveness of SGLT2i versus GLP1-RA on cardiovascular outcomes in routine clinical practice. *Int J Cardiol.* 2022 Jan 21:S0167-5273(22)00131-0. doi: 10.1016/j.ijcard.2022.01.042. PMID: 35074492
160. Gómez-García EF, Del Campo FM, Cortés-Sanabria L, Mendoza-Carrera F, Avesani CM, Stenvinkel P, **Lindholm B**, Cueto-Manzano AM. Transcription factor NRF2 as potential therapeutic target for preventing muscle wasting in aging chronic kidney disease patients. *J Nephrol.* 2022 Dec;35(9):2215-2225 doi: 10.1007/s40620-022-01484-w. PMID: 36322291 *J Nephrol.* 2022 Dec;35(9):2215-2225
161. Heaf J, Heiro M, Petersons A, Vernere B, Povlsen JV, Sørensen AB, Clyne N, Bumblyte I, Zilinskiene A, Randers E, Løkkegaard N, Rosenberg M, Kjellevoid S, Kampmann JD, Rogland B, Lagreid I, Heimbürger O, Qureshi AR, **Lindholm B**. First-year mortality in incident dialysis patients: results of the Peridialysis study. *BMC Nephrol.* 2022 Jun 27;23(1):229. doi: 10.1186/s12882-022-02852-1. PMID: 35761193
162. Janse RJ, Fu EL, Clase CM, Tomlinson L, **Lindholm B**, van Diepen M, Dekker FW, Carrero JJ. Stopping versus continuing renin-angiotensin-system inhibitors after acute kidney injury and adverse clinical outcomes: an observational study from routine care data. *Clin Kidney J.* 2022 Jan 12;15(6):1109-1119. doi: 10.1093/ckj/sfac003. PMID: 35664269
163. Janse RJ, Fu EL, Dahlström U, Benson L, **Lindholm B**, van Diepen M, Dekker FW, Lund LH, Carrero JJ, Savarese G. Use of guideline-recommended medical therapy in patients with heart failure and chronic kidney disease: from physician's prescriptions to patient's dispensations,

- medication adherence and persistence. *Eur J Heart Fail.* 2022 Nov;24(11):2185-2195. doi: 10.1002/ejhf.2620. PMID: 35851740
164. Kemp JA, Dos Santos HF, de Jesus HE, Esgalhado M, de Paiva BR, Azevedo R, Stenvinkel P, Bergman P, **Lindholm B**, Ribeiro-Alves M, Mafra D. Resistant Starch Type-2 Supplementation Does Not Decrease Trimethylamine N-Oxide (TMAO) Plasma Level in Hemodialysis Patients. *J Am Nutr Assoc.* 2022 Feb 15;1-8. doi: 10.1080/07315724.2021.1967814. PMID: 35512757
165. Morohoshi A, Qureshi AR, Iseri K, Morohoshi H, Li Y, **Lindholm B**, Berg HE, Felländer-Tsai L. Secular trends in incidence and seasonal variation of distal radius fracture among children: A nationwide study based on the Swedish National Patient Register 2002-2016. *Bone.* 2022 Jul 2;162:116479. doi: 10.1016/j.bone.2022.116479. PMID: 35787484
166. Paniagua R, García-López E, Ávila-Díaz M, Ventura MD, Orihuela O, Prado-Urbe MD, Gallardo-Montoya JM, **Lindholm B**. Sex Modulates Cardiovascular Effects of Icodextrin-Based Peritoneal Dialysis Solutions. *Front Physiol.* 2022 May 23;13:911072. doi: 10.3389/fphys.2022.911072. eCollection 2022. PMID: 3567709
167. Pinto J, Debowska M, Gomez R, Waniewski J, **Lindholm B**. Urine volume as an estimator of residual renal clearance and urinary removal of solutes in patients undergoing peritoneal dialysis. *Sci Rep.* 2022 Nov 5;12(1):18755. doi: 10.1038/s41598-022-23093-0. PMID: 36335200
168. Pstras L, Waniewski J, **Lindholm B**. Vascular refilling coefficient is not a good marker of whole-body capillary hydraulic conductivity in hemodialysis patients: insights from a simulation study. *Sci Rep.* 2022 Sep 10;12(1):15277. doi: 10.1038/s41598-022-16826-8. PMID: 36088359
169. Sanabria M, Vesga J, **Lindholm B**, Rivera A, Rutherford P. Time on Therapy of Automated Peritoneal Dialysis with and without Remote Patient Monitoring: A Cohort Study. *Int J Nephrol.* 2022 Aug 22;2022:8646775. doi: 10.1155/2022/8646775. PMID: 36045901; PMCID: PMC9424000.