Assessment of vascular calcification in the context of inhibitors in chronic kidney disease
Adoberg, Annika; **Holmar, Jana** XVII Baltic Nephrology Conference, Tartu, Estonia, October 3rd-5th, 2024 : Abstracts 2024 / 3 p https://balticnephrology2024.eu/abstracts

Association between renal function and troponin T over time in stable chronic kidney disease patients
Chesnaye, Nicholas C.; Szummer, Karolina; Bárány, Peter; Heimbürger, Olof; Magin, Hasan; Almquist, Tora; **Uhlin, Nils Fredrik Arne** Journal of the American heart association 2019 / art. e013091, 18 p. : ill https://doi.org/10.1161/JAHA.119.013091 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Association of Longitudinal High-Sensitivity Troponin T with mortality in patients with chronic kidney disease
Chesnaye, Nicholas C.; Al-Sodany, Ehab; Szummer, Karolina; Barany, Peter; Heimbürger, Olof; Almquist, Tora; **Melander, Stefan**; **Uhlin, Nils Fredrik Arne**; Dekker, Friedo; Wanner, Christoph; Jager, Kitty J.; Evans, Marie Journal of the American College of Cardiology 2022 / p. 327-336 : ill https://doi.org/10.1016/j.jacc.2021.11.023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Association of the cystatin C/creatinine ratio with the renally cleared hormones parathyroid hormone (PTH) and brain natriuretic peptide (BNP) in primary care patients : a cross-sectional study
Risch, Martin; Risch, Lorenz; **Purde, Mette**; Renz, Harald; Ambühl, Patrice; Szucs, Thomas; Tomonaga, Yuki Scandinavian Journal of Clinical and Laboratory Investigation 2016 / p. 379 - 385 https://doi.org/10.1080/00365513.2016.1183262 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Calcium and phosphate induce different vascular calcification
Holmar, Jana; Jankowski, Joachim; Bhargava, Shruti; Alampour-Rajabi, Setareh Nephrology dialysis transplantation 56th ERA-EDTA Congress Abstracts 2019 / p. 468 : ill https://doi.org/10.1093/ndt/gfz103.SP323

Chemical composition of essential oil of common juniper (Juniperus communis L.) branches from Estonia
Raal, Ain; Komarov, Rostislav; **Orav, Anne**; Kapp, Karmen; Grytsyk, Andriy; Koshovyi, Oleh ScienceRise: Pharmaceutical Science 2022 / p. 66 - 73 https://doi.org/10.15587/2519-4852.2022.271048 Journal metrics at Scopus Article at Scopus

Cognitive disorders in patients with chronic kidney disease : approaches to prevention and treatment
Pepin, Marion; Klimkowicz-Mrowiec, Aleksandra; Godefroy, Oliver; Delgado, Pilar; Carriazo, Sol; Ferreira, Ana Carina; Golenia, Aleksandra; Malyszko, Jolanta; Grodzicki, Tomasz; Giannakou, Konstantino; Andrade, Alexandre; **Bachmann, Maie**; **Fridolin, Ivo** European Journal of Neurology 2023 / p. 2899-2911 : ill https://doi.org/10.1111/ene.15928

Combined displacer-enhanced removal of protein-bound uremic toxins estimated in spent dialysate
Adoberg, Annika; Leis, Liisi; **Uhlin, Nils Fredrik Arne**; **Arund, Jürgen**; Segelmark, Marten; Fernström, Anders; Luman, Merike; **Fridolin, Ivo** Kidney International Reports 2019 / art.: MON-105 ; p. S347 https://doi.org/10.1016/j.ekir.2019.05.895

Comparison of protein-bound uremic toxins indoxyl sulfate and indole acetic acid reduction ratios in blood and spent dialysate during haemodialysis with different modalities
Leis, Liisi; **Adoberg, Annika**; **Paats, Joosep**; **Tanner, Risto**; **Fridolin, Ivo** XVII Baltic Nephrology Conference, Tartu, Estonia, October 3rd-5th, 2024 : Abstracts 2024 / 1 p https://balticnephrology2024.eu/abstracts

A concept for smart real-time monitoring of intermittent renal replacement therapy
Fridolin, Ivo International journal of artificial organs 2019 / p. 462 https://journals.sagepub.com/doi/10.1177/0391398819860985

Development of a measurement system for estimation of local peripheral arterial stiffness parameters
Pilt, Kristjan; **Karai, Deniss**; **Fridolin, Ivo** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / p. 1-5 https://doi.org/10.1109/BEC61458.2024.10737944 Article at Scopus Conference proceeding at Scopus Article at WOS

Diagnostic and therapeutic potential of interleukin-37 in kidney diseases: A mini-review
Demikhova, Nadiia; Kuts, L.; Bokova, Svitlana; Vlasenko, O.; **Merisalu, Eda** Ukrainian journal of nephrology and dialysis 2025 / p. 90-97 https://doi.org/10.31450/ukrjnd.2(86).2025.09 https://ukrjnd.com.ua/index.php/journal/article/view/955

Dialysis dose and nutrition assessment by an optical method = Dialüüsravi doosi ja patsientide toitumuse hindamine optilise meetodiga
Luman, Merike 2010 https://www.ester.ee/record=b2599301*est

Dialysis patients survival in HD centres from Belgium, Estonia, Spain, and Sweden—association with BMI and hypocalcemia
Holmar, Jana; Luman, Merike; Adoberg, Annika; **Leis, Liisi**; **Paats, Joosep**; Uhlin, Fredrik; Ortiz, Alberto; Gloerieux, Griet; Dhondt, Annemieke; **Pilt, Kristjan**; **Tanner, Risto**; **Fridolin, Ivo** Nephrology Dialysis Transplantation 2024 / p. i1456–i1457 https://doi.org/10.1093/ndt/gfae069.885

Economically affordable anatomical kidney phantom with calyxes for puncture and drainage training in interventional urology and radiology

Ristolainen, Asko; **Ross, Peeter**; **Gavšin, Juri**; Semjonov, Eero; **Kruusmaa, Maarja** Acta radiologica short reports 2014 / p. 1-7 : ill

Elimination of uremic toxins during dialysis assessed with the optical and analytical methods = Ureemiliste toksiinide elimineerimise hindamine dialüüsravil optiliste ja analüütiliste meetoditega
Lauri, Kai 2020 https://digikogu.taltech.ee/et/Item/85965453-b6b4-4a1c-bdb6-8ebb28420fe9 Doktoritöö aitab hinnata jooksvalt neerudialüüsi tõhusust (novaator.err.ee, 15.09.2020)

Endopeptidase cleavage of anti-glomerular basement membrane antibodies in vivo in severe kidney disease : an open-label phase 2a study
Uhlin, Nils Fredrik Arne; Szpirt, Wladimir; Kronbichler, Andreas; Bruchfeld, Annette; Soveri, Inga; Rostaing, Lionel; Daugas, Eric; Lionet, Arnaud; Kamar, Nassim; Rafat, Cedric Journal of the American Society of Nephrology 2022 / p. 829-838 https://doi.org/10.1681/ASN.2021111460 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estonian professor introduces an artificial kidney therapy monitoring platform [Online resource]
Petrone, Justin estonianworld.com 2021 "Estonian professor introduces an artificial kidney therapy monitoring platform"

4-pyridoxic acid in the spent dialysate : contribution to fluorescence and optical monitoring
Kalle, Sigrid; **Tanner, Risto**; **Arund, Jürgen**; **Tomson, Ruth**; **Luman, Merike**; **Fridolin, Ivo** PLoS ONE 2016 / art. e0162346, p. 1-11 : ill https://doi.org/10.1371/journal.pone.0162346 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hemodialysis optical monitoring toward greener technology : a potential for water saving dialysis treatment
Leis, Liisi; **Adoberg, Annika**; **Paats, Joosep**; **Holmar, Jana**; **Arund, Jürgen**; **Karai, Deniss**; **Luman, Merike**; **Pilt, Kristjan**; **Taklaja, Paul**; **Tanner, Risto**; **Fridolin, Ivo** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 162 - 171 https://doi.org/10.1007/978-3-031-37132-5_21 Conference Proceedings at Scopus Article at Scopus

Interrelationship between protein bound uremic toxin indoxyl sulfate oncentration in blood and spent dialysate during hemodialysis treatment : [abstract]
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; **Lauri, Kai**; Leis, Liisi; **Pilt, Kristjan**; **Tanner, Risto**; **Luman, Merike** Nephrology dialysis transplantation 2021 / p. 382 : ill https://doi.org/10.1093/ndt/gfab099.005

Intima-media thickness of the common carotid artery of patients with chronic kidney disease
Silluta, Sandra; **Pilt, Kristjan**; **Kööts, Kristina**; **Viigimaa, Margus**; **Meigas, Kalju** Cardiology 2015 / p. 37 https://www.karger.com/Article/Abstract/431110

Intradialytic on-line multicomponent total removed solute monitoring in spent dialysate by a novel miniaturized optical sensor
Adoberg, Annika; **Paats, Joosep**; **Arund, Jürgen**; Leis, Liisi; **Pilt, Kristjan**; **Fridolin, Ivo**; **Luman, Merike** Nephrology Dialysis Transplantation 2021 https://doi.org/10.1093/ndt/gfaa141.TO015

Intradialytic optical assessment of C-mannosyl tryptophan removal using spent dialysate
Paats, Joosep; **Adoberg, Annika**; **Leis, Liisi**; **Arund, Jürgen**; **Lauri, Kai**; **Luman, Merike**; **Tanner, Risto**; **Holmar, Jana**; **Pilt, Kristjan**; **Fridolin, Ivo** Scientific reports 2025 / art. 20052, 12 p. : ill https://doi.org/10.1038/s41598-025-01844-z

K2- step-by-step protocol for performing in vitro and ex vivo experiments of vascular calcification
Holmar, Jana; Noels, Heidi; Jankowski, Joachim; Orth-Alampour, Setareh The International Journal of Artificial Organs 2021 https://doi.org/10.1177%2F03913988211038230

Kroonilise neeruhaiguse ennetus ja käsitlus
Luman, Merike Eesti Arst 2017 / lk. 195-198 http://www.ester.ee/record=b1072028*est

Long-term follow-up of biomarkers of vascular calcification after switch from traditional hemodialysis to online hemodiafiltration
Uhlin, Nils Fredrik Arne; Fernström, Anders; Knapen, Marjo H.J.; Vermeer, Cees; Magnusson, Per Scandinavian journal of clinical & laboratory investigation 2019 / p. 174-181 https://doi.org/10.1080/00365513.2019.1576218 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low cost anatomically realistic renal biopsy phantoms for interventional radiology trainees
Hunt, Andres; **Ristolainen, Asko**; **Ross, Peeter**; **Öpik, Rivo**; **Krumme, Andres**; **Kruusmaa, Maarja** European journal of radiology 2013 / p. 594-600 : ill https://doi.org/10.1016/j.ejrad.2012.12.020 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Major chromophores and fluorophores in the spent dialysate as cornerstones for optical monitoring of kidney replacement therapy = Peamised kromofoorid ja fluorofoorid heitdialüsaadis neeruasendusravi optilise monitooringu

nurgakividena
Arund, Jürgen 2016 http://www.ester.ee/record=b4574893*est

Management of patients with hypertension and chronic kidney disease referred to Hypertension Excellence Centres among 27 countries. On behalf of the European Society of Hypertension Working Group on Hypertension and the Kidney
Halimi, Jean-Michel; Sarafidis, Pantelis; Azizi, Michel; Bilo, Grzegorz; Burkard, Thilo; Bursztyn, Michael; Camafort, Miguel; Chapman, Neil; Cottone, Santina; de Backer, Tine; Deinum, Jaap; Delmotte, Philippe; **Viigimaa, Margus** Blood Pressure 2024 / art. 2368800 https://doi.org/10.1080/08037051.2024.2368800 Journal metrics at Scopus Article at Scopus

The need for a multi-disciplinary reflection about frailty and cognitive impairment in chronic kidney disease
Farisco, Michele; Zecchino, Irene; Capasso, Giovambattista; **Bachmann, Maie**; **Fridolin, Ivo** Nephrology Dialysis Transplantation 2023 / p. 1064–1066 https://doi.org/10.1093/ndt/gfac334

Non-invasive optical estimation of intradialytic concentrations of uremic toxins in blood of hemodialysis patients
Paats, Joosep; **Adoberg, Annika**; **Arund, Jürgen**; **Fridolin, Ivo**; **Holmar, Jana**; Lauri, Kai; Leis, Liisi; **Pilt, Kristjan**; **Tanner, Risto**; **Luman, Merike** Nephrology Dialysis Transplantation 2023 / art. #3367, p. i149-i150 : ill https://doi.org/10.1093/ndt/gfad063b_3367

Nutrition estimation of dialysis patients by on-line monitoring and kinetic modelling
Fridolin, Ivo; **Lauri, Kai**; **Jerotskaja, Jana**; Luman, Merike Estonian journal of engineering 2008 / p. 177-188 : ill https://artiklid.elnet.ee/record=b1022244*est

Optical method and biochemical source for the assessment of the middle-molecule uremic toxin β2-microglobulin in spent dialysate
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; **Lauri, Kai**; Leis, Liisi; **Luman, Merike**; **Tanner, Risto** Toxins 2021 / art. 255, 15 p. : ill https://doi.org/10.3390/toxins13040255 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical on-line monitoring of a displacer-chromophore administration during a dialysis treatment
Arund, Jürgen; Adoberg, Annika; Leis, Liisi; **Luman, Merike**; **Uhlin, Nils Fredrik Arne**; Segelmark, Marten; Fernström, Anders; **Fridolin, Ivo** Kidney International Reports 2019 / p. S340-S341 https://doi.org/10.1016/j.ekir.2019.05.879

Optical real-time cardiorenal toxin uric acid measurement during hemodialysis using a miniaturized optical sensor
Holmar, Jana; **Arund, Jürgen**; Adoberg, Annika; Leis, Liisi; Luman, Merike; **Paats, Joosep**; **Pilt, Kristjan**; **Tanner, Risto**; **Fridolin, Ivo** Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS2023 2023 / 4 p. : ill https://doi.org/10.1109/EMBC40787.2023.10340379 Conference proceedings at Scopus Article at Scopus Article at WOS

Patient participation in dialysis care - A qualitative study of patients' and health professionals' perspectives
Årestedt, Liselott; Martinsson, Caroline; Hjelm, Carina; **Uhlin, Nils Fredrik Arne**; Eldh, Ann Catrine Health expectations 2019 / p. 1285−1293 https://doi.org/10.1111/hex.12966 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Patient participation in end-stage kidney disease care: variation over time and effects of staff-directed interventions - a quasi-experimental study
Hurtig, Caroline; Bendtsen, Marcus; Årestedt, Liselott; **Uhlin, Nils Fredrik Arne**; Eldh, Ann Catrine BMC Nephrology 2023 / art. 265, 13 p. : ill https://doi.org/10.1186/s12882-023-03313-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Removal of Urea, beta 2-Microglobulin, and Indoxyl Sulfate Assessed by Absorbance and Fluorescence in the Spent Dialysate During Hemodialysis
Lauri, Kai; **Arund, Jürgen**; **Holmar, Jana**; **Tanner, Risto**; **Kalle, Sigrid**; **Luman, Merike**; **Fridolin, Ivo** Asaio journal 2020 / p. 695−705 https://doi.org/10.1097/MAT.0000000000001058 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Removal of vascular calcification inducer phosphate in different dialysis treatment modalities
Holmar, Jana; **Fridolin, Ivo**; **Luman, Merike** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 143-147 https://doi.org/10.1007/978-981-10-9023-3_26 Conference proceeding at Scopus Article at Scopus Article at WOS

Screening and management of hypertensive patients with chronic kidney disease referred to Hypertension Excellence Centres among 27 countries. A pilot survey based on questionnaire
Halimi, Jean-Michel; Sarafidis, Pantelis; Azizi, Michel; Bilo, Grzegorz; Burkard, Thilo; Bursztyn, Michael; Camafort, Miguel; Chapman, Neil; Cottone, Santina; **Viigimaa, Margus** Journal of hypertension 2024 / p. 1544-1554 https://doi.org/10.1097/HJH.0000000000003756 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sensortehnoloogiad meditsiinitehnikas uurimisrühm = Sensor Technologies in Biomedical engineering Research Group

Fridolin, Ivo Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiate instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühingut = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 31-36, p. 29-34 : ill

Serum levels and removal by haemodialysis and haemodiafiltration of tryptophan-derived uremic toxins in ESKD patients
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; Leis, Liisi; **Luman, Merike**; **Pilt, Kristjan**; **Uhlin, Nils Fredrik Arne** International journal of molecular sciences 2020 / art. 1522, 19 p. : ill https://doi.org/10.3390/ijms21041522 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Serum levels of miR-126 and miR-223 and outcomes in chronic kidney disease patients
Fourdinier, Ophélie; Schepers, Eva; Metzinger-Le Meuth, Valérie; Glorieux, Griet; Liabeuf, Sophie; Vanholder, Raymond; Brigant, Benjamin; Pletinck, Anneleen; **Fridolin, Ivo** Scientific reports 2019 / art. 447, 12 p. : ill https://doi.org/10.1038/s41598-019-41101-8 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A systematic review of vascular calcification inhibitors in chronic kidney disease
Adoberg, Annika; **Leis, Liisi**; **Luman, Merike**; **Uhlin, Fredrik**; **Fridolin, Ivo**; **Holmar, Jana** XVII Baltic Nephrology Conference, Tartu, Estonia, October 3rd-5th, 2024 : Abstracts 2024 / 2 p https://balticnephrology2024.eu/abstracts

The IgG-degrading enzyme of Streptococcus pyogenes causes rapid clearance of anti-glomerular basement membrane antibodies in patients with refractory anti-glomerular basement membrane disease
Soveri, Inga; Molne, Johan; **Uhlin, Nils Fredrik Arne**; Nilsson, Thomas; Kjellman, Christian; Sonessonm, Elisabeth; Segelmark, Marten Kidney International 2019 / p. 1234-1238 https://doi.org/10.1016/j.kint.2019.06.019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The role of calcium and phosphate in medial vascular calcification
Holmar, Jana; Jankowski, Joachim; Alampour-Rajabi, Setareh International journal of artificial organs 2019 / p. 386−474 https://doi.org/10.1177/0391398819860985

2023 ESC Guidelines for the management of cardiovascular disease in patients with diabetes : developed by the task force on the management of cardiovascular disease in patients with diabetes of the European Society of Cardiology (ESC)
Marx, Nikolaus; Federici, Massimo; Schütt, Katharina; **Viigimaa, Margus** European Heart Journal 2023 / p. 4043-4140 https://doi.org/10.1093/eurheartj/ehad192

Using imlifidase to elucidate the characteristics and importance of anti-GBM antibodies produced after start of treatment
Tyrberg, Linnea; Andersson, Fanny; **Uhlin, Nils Fredrik Arne**; Hellmark, Thomas; Segelmark, Marten Nephrology Dialysis Transplantation 2024 / p. 45-54 https://doi.org/10.1093/ndt/gfad132 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Vasoactive peptide levels after change of dialysis mode
Uhlin, Nils Fredrik Arne; Odar-Cederlöf, Ingegerd; Theodorsson, Elvar; Fernström, Anders Nephron Extra 2015 / p. 67 - 78 https://doi.org/10.1159/000440816 Journal metrics at Scopus Article at Scopus