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

Development of a method for optical monitoring of creatinine in the spent dialysate
Tomson, Ruth; **Uhlin, Nils Fredrik Arne**; **Holmar, Jana**; **Lauri, Kai**; Luman, Merike; **Fridolin, Ivo** Estonian journal of engineering 2011 / 2, p. 140-150 : ill

Development of the model for the optical monitoring of urea in spent dialysate
Tomson, Ruth; **Fridolin, Ivo**; **Uhlin, Nils Fredrik Arne**; **Holmar, Jana**; **Lauri, Kai**; Luman, Merike BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 179-182 : ill

Development, establishment and validation of in vitro and ex vivo assays of vascular calcification
Holmar, Jana; Noels, Heidi; Böhm, Michael; Bhargava, Shruti; Jankowski, Joachim; Orth-Alampour, Setareh Biochemical and biophysical research communications 2020 / p. 462-470 https://doi.org/10.1016/j.bbrc.2020.05.085

The effect of Kt/V on post dialysis urea rebound in hemodialysis and hemodiafiltration
Tomson, Ruth; **Fridolin, Ivo**; **Luman, Merike**; **Holmar, Jana** Nephrology dialysis transplantation 2016 / p. i490 https://doi.org/10.1093/ndt/gfw194.3

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)

Estimation of dialysis patients' survival through combined approach of small molecule uremic markers
Holmar, Jana; **Fridolin, Ivo**; **Uhlin, Nils Fredrik Arne**; Fernström, Anders; **Luman, Merike** Proceedings of the Estonian Academy of Sciences 2014 / p. 227-233 : ill

Estimation of removed uremic toxin indoxyl sulphate during hemodialysis by using optical data of the spent dialysate
Holmar, Jana; **Uhlin, Nils Fredrik Arne**; **Ferenets, Rain**; **Lauri, Kai**; **Tanner, Risto**; **Arund, Jürgen**; Luman, Merike; **Fridolin, Ivo** The 2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) proceedings 2013 / p. 6707-6710 : ill

Fluorescence of Beta-2-microglobulin in the spent dialysate
Kalle, Sigrid; **Kressa, H.**; **Tanner, Risto**; **Holmar, Jana**; **Fridolin, Ivo** 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 59-62 : ill

In Vitro and Ex Vivo experiments of vascular calcification
Holmar, Jana; Noels, Heidi; Jankowski, Joachim; Orth-Alampour, Setareh Nephrology Dialysis Transplantation 2021 / p. 1 https://doi.org/10.1093/ndt/gfab086.0021

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

Kaks direktorit ja üks tenuuriprofessor
Jõeveer, Karin; **Tapaninen, Ulla Pirita**; **Holmar, Jana** Mente et Manu 2021 / lk. 22-23 : portr https://www.ester.ee/record=b1242496*est

Neerupuudulikkusega inimeste elu võib tänu Eesti teadlastele paraneda
digi.geenius.ee 2023 Neerupuudulikkusega inimeste elu võib tänu Eesti teadlastele paraneda

Nutikad tehnoloogiad aitavad ravijärjekordi lühendada
Holmar, Jana Postimees 2023 / Lk. 11 https://dea.digar.ee/article/postimees/2023/06/28/10.6

Optical assessment of calcification markers phosphorus and calcium during hemodialysis
Holmar, Jana; **Uhlin, Nils Fredrik Arne**; Fernström, Anders; **Luman, Merike**; Jankowski, Joachim; **Fridolin, Ivo** Nephrology Dialysis Transplantation 2015 / iii556 https://doi.org/10.1093/ndt/gfv197.03

Optical dialysis adequacy monitoring: small uremic toxins and contribution to UV-absorbance studied by HPLC
Lauri, Kai; **Arund, Jürgen**; **Holmar, Jana**; **Tanner, Risto**; **Luman, Merike**; **Fridolin, Ivo** Progress in hemodialysis - from emergent biotechnology to clinical practice 2011 / p. 143-160 : ill https://www.intechopen.com/chapters/21275

Optical Estimation of Beta 2 Microglobulin during Hemodiafiltration - Does It Work?

Uhlin, Nils Fredrik Arne; **Holmar, Jana**; Yngman-Uhlin, Pia; Fernström, Anders; **Fridolin, Ivo** Blood Purification 2015 / 113-119 https://doi.org/10.1159/000381797

Optical measurement of creatinine in spent dialysate
Tomson, Ruth; **Fridolin, Ivo**; **Uhlin, Nils Fredrik Arne**; **Holmar, Jana**; **Lauri, Kai**; Luman, Merike Clinical nephrology 2013 / p. 107-117 : ill

Optical method for cardiovascular risk marker uric acid removal assessment during dialysis
Holmar, Jana; **Fridolin, Ivo**; **Uhlin, Nils Fredrik Arne**; **Lauri, Kai**; **Luman, Merike** The scientific world journal 2012 / p. 1-8 : ill

Optical method for uric acid removal assessment during dialysis = Optiline meetod kusihappe eemaldamise määramiseks dialüüsiravi käigus
Holmar, Jana 2013 https://www.ester.ee/record=b3004743*est

POS-648 medicines intake influences accuracy of the uremic retention molecules' optical monitoring in spent dialysate : the case of uremic toxin uric acid and paracetamol
Paats, Joosep; Adoberg, Annika; **Arund, Jürgen**; **Fridolin, Ivo**; **Holmar, Jana**; Leis, Liisi; **Pilt, Kristjan**; **Tanner, Risto**; **Uhlin, Nils Fredrik Arne**; **Luman, Merike** Kidney International Reports 2022 / p. S277-S278 : ill https://doi.org/10.1016/j.ekir.2022.01.681

Reduction of urea and indoxyl sulphate concentration during different dialysis treatment modalities
Holmar, Jana; Luman, Merike; **Arund, Jürgen**; Lauri, Kai; **Tomson, Ruth**; **Tanner, Risto**; **Kalle, Sigrid**; **Fridolin, Ivo** International journal of artificial organs 2016 / p. 379 http://dx.doi.org/10.5301/ijao.5000508

Removal estimation of uremic CVD marker phosphate in dialysis using spectrophoto- and fluorimetrical signals
Holmar, Jana; **Arund, Jürgen**; **Kalle, Sigrid**; **Lauri, Kai**; **Luman, Merike**; **Tanner, Risto**; **Tomson, Ruth**; **Fridolin, Ivo** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 358-361 : ill https://doi.org/10.1007/978-981-10-5122-7_90

Removal of phosphate as the trigger of vascular calcification by different dialysis treatment modalities
Holmar, Jana; Jankowski, Joachim; **Fridolin, Ivo**; Alampour-Rajabi, Setareh; **Luman, Merike** Nephrology dialysis transplantation 2018 / p. i224 : ill https://doi.org/10.1093/ndt/gfy104.FP548

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

A systematic review of available removal techniques of protein bound toxins : a limited pursuit
Orth-Alampour, Setareh; Schmitz, Corinna; Jankowski, Joachim; **Holmar, Jana**; **Jankowski, Vera** Nephrology dialysis transplantation 2018 / p. i186 http://dx.doi.org/10.1093/ndt/gfy104.FP447

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

Time-averaged concentration estimation of uraemic toxins with different removal kinetics: a novel approach based on intradialytic spent dialysate measurements
Paats, Joosep; **Adoberg, Annika**; **Arund, Jürgen**; Dhondt, Annemieke; Fernström, Anders; Glorieux, Griet; **Fridolin, Ivo**; **Holmar, Jana**; **Luman, Merike**; Pilt, Kristjan Clinical Kidney Journal 2023 / p. 735-744 : ill https://doi.org/10.1093/ckj/sfac273 https://academic.oup.com/ckj/article/16/4/735/6948331

Total removed beta 2-microglobulin and urea during different dialysis treatment modalities
Holmar, Jana; **Luman, Merike**; **Lauri, Kai**; **Fridolin, Ivo** XIII Baltic Nephrology Conference : October 13-15, 2016, Jurmala, Latvia : final programme 2016 / p. 21-22 : ill http://nefrologs.lv/wp-content/uploads/2016/10/XIII-BNC.pdf

Treatment with paracetamol can interfere with the intradialytic optical estimation in spent dialysate of uric acid but not of indoxyl sulfate
Adoberg, Annika; **Paats, Joosep**; **Arund, Jürgen**; Dhondt, Annemieke; **Fridolin, Ivo**; Glorieux, Griet; **Holmar, Jana**; Lauri, Kai; Leis, Liisi; **Luman, Merike**; **Pilt, Kristjan**; **Uhlin, Nils Fredrik Arne**; **Tanner, Risto** Toxins 2022 / art. 610

https://doi.org/10.3390/toxins14090610 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Uremic toxins affecting cardiovascular calcification: a systematic review
Holmar, Jana; Puente-Secades, Sofia De la; Floege, Jürgen; Noels, Heidi; Jankowski, Joachim; Orth-Alampour, Setareh Cells 2020 / art. 2428, 22 p https://doi.org/10.3390/cells9112428