

### **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>

### **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](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 concentration 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>

### **Intradialytic on-line multicomponent reduction ratio monitoring in spent dialysate by a novel miniaturized optical sensor**

**Pilt, Kristjan; Arund, Jürgen**; Adoberg, Annika; Leis, Liisi; **Fridolin, Ivo; Luman, Merike** *Nephrology Dialysis Transplantation* 2019 / p. 643-644 <https://doi.org/10.1093/ndt/gfz102.Su0012>

### **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.T0015>

### **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* 2020 / gfaa141.T0015 <https://doi.org/10.1093/ndt/gfaa141.T0015>

### **Intradialytic on-line multicomponent total removed solutes monitoring in spent dialysate by a novel miniaturized optical sensor**

**Pilt, Kristjan; Arund, Jürgen**; Adoberg, Annika; Leis, Liisi; Luman, Merike; **Fridolin, Ivo** *International journal of artificial organs* 2019 / p. 415-416 <https://journals.sagepub.com/doi/10.1177/0391398819860985>

### **Online urea concentration estimation from spent dialysate using optical sensor**

**Pilt, Kristjan; Arund, Jürgen**; Adoberg, Annika; Leis, Liisi; Luman, Merike; **Fridolin, Ivo** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 1459-1464 [https://doi.org/10.1007/978-3-030-31635-8\\_180](https://doi.org/10.1007/978-3-030-31635-8_180) [Conference proceedings at Scopus](#) [Article at Scopus](#)  
[Article at WOS](#)

### **Optical method and biochemical source for the assessment of the middle-molecule uremic toxin $\beta$ 2-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](#)

### **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>

### **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](#)

**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**; **Uhlen, 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](#)