



PRESS RELEASE

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AUTOMATED WEARABLE ARTIFICIAL KIDNEY MAY IMPROVE PERITONEAL DIALYSIS

Highlights

- Peritoneal dialysis performed with an automated wearable artificial kidney was safe and effective for removing toxins from the blood of patients with kidney failure.
- Results from the study will be presented at ASN Kidney Week 2019 November 5–November 10 at the Walter E. Washington Convention Center in Washington, DC.

Washington, DC (November 8, 2019) — Peritoneal dialysis performed with an automated wearable artificial kidney can effectively remove toxins from the blood of patients with kidney failure. The findings come from a study that will be presented at ASN Kidney Week 2019 November 5–November 10 at the Walter E. Washington Convention Center in Washington, DC.

Researchers are testing the potential of an Automated Wearable Artificial Kidney (AWAK) device for peritoneal dialysis (PD) treatments, which would allow dialysis to be performed on-the-go, overcoming the challenge of long hours of therapy and connection to large dialysis machines. A sorbent-based regenerative technology in the AWAK PD therapy allows for high dose dialysis to be delivered with a low volume of dialysis solution. The technology regenerates and reconstitutes used dialysis fluid into fresh fluid while removing toxins.

In a first-in-human study, 15 participants underwent over 100 AWAK PD sessions. There were no serious adverse events up to 1 month after treatment, and the AWAK PD sessions were effective at removing waste substances from the blood.

“The regenerative sorbent technology used in AWAK PD is an innovation with the potential to revolutionize the way peritoneal dialysis has been done in the past 40 years, providing portability and flexibility of treatment,” said principal investigator Marjorie Foo Wai Yin, MD (Singapore General Hospital). “This technology also helps to reduce wastes and save resources by reusing dialysis fluids.”

Study: “Effect of Automated Wearable Artificial Kidney (AWAK) Device on Toxin Clearance and Safety in Peritoneal Dialysis Patients”

ASN Kidney Week 2019, the largest nephrology meeting of its kind, will provide a forum for more than 13,000 professionals to discuss the latest findings in kidney health research and engage in educational sessions related to advances in the care of patients with kidney and related disorders. Kidney Week 2019 will take place November 5 – November 10 in Washington, DC.

Since 1966, ASN has been leading the fight to prevent, treat, and cure kidney diseases throughout the world by educating health professionals and scientists, advancing research and innovation, communicating new knowledge, and advocating for the highest quality care for patients. ASN has more than 20,000 members representing 131 countries. For more information, please visit www.asn-online.org or contact the society at 202-640-4660.

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