

AWAK NEWSLETTER

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Current Status:

- Pilot production
- Pre-Clinical Trial Test

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Chairman's Message



Chairman: Dr. Gordon Ku

In this July issue, I would like to introduce you to AWAK latest AiO cartridge design, the Hi-Capacity cartridge which weights only 1.7kg (or 3.75lbs). This Hi-Capacity cartridge runs for 12 hours on battery and provides 48 liters dialysate at 4 liters per hour. Together with the 1kg (or 2.2. lbs) cartridge, the combination provides different operating modes to meet the needs of patients, whether in acute or chronic conditions, and their lifestyles.

AWAK AiO pilot production is proceeding as planned to meet our clinical trial schedule, both in animal and human. The pilot production batch will be used for extensive biocompatibility and safety testing. In AWAK Technologies, we subject all in-coming raw materials and all finished goods to strict quality system in accordance with ISO 13485.

From 24th - 26th June , we attended ERA EDTA Congress in Prague and showcased for the first time, our latest Hi-Capacity cartridge. The Hi-Capacity cartridge is designed to cater for either night dialysis or individuals requiring higher renal clearance. The visitors were delighted to see this latest development and the flexibility it offers. We took the opportunity to visit our clinical trial site partner, University Children's Hospital Tubingen in Germany to further discuss on trial collaborations in the area of pediatric renal dialysis.

Later this year, we will be exhibiting at the 44rd Annual Meeting & Scientific Exposition, American Society of Nephrology (ASN) on the 10th - 13th November in Philadelphia, United States of America. This in line with our global market awareness covering Europe and US. I hope to see you at our booth 307 and see for yourself the next paradigm shift of dialysis!

ERA EDTA Exhibitions Pictures



Hi-Capacity Cartridge Showcase at ERA EDTA Congress, Prague

AWAK Technologies showcase the latest design on Hi-Capacity cartridge at European Renal Association-European Dialysis and Transplant Association (ERA-EDTA) Congress in Prague, Czech Republic. We received a warm review for both cartridges especially on the use of one universal cyclers for both system.

The Hi-Capacity cartridge has a flow rate of 4 liters per hour, double of the Regular cartridge flow rate. It has the capacity to regenerate 48 liters of dialysate over 12 hours usage and it has an estimated weekly Kt/V of 2.4. Although it is designed primarily for desktop usage, it's overall weight of only 3.75 lbs or 1.7 kg gives patients freedom and mobility while on treatment.



Hi-Capacity Cartridge



AWAK Cyclers, Regular and Hi-Capacity Cartridge

The Hi-Capacity cartridge complements the use of Regular cartridge to achieve higher clearance when use at night. The Optimum Wearable Mode is a combination of 1 Regular cartridge in the day and 1 Hi-Capacity cartridge at night. This operating mode will regenerate 62 liters of dialysate in a day and achieve an estimated weekly Kt/V of 3.0.

In Acute Mode, 2 Hi-Capacity are used to achieve an estimated weekly Kt/V of 4.8. However, it also can be used for people who need higher clearances.

Our participation in previous exhibitions with valuable feedback from nephrologists, renal nurses and patient have guided us in our design with the primary focus on the benefits of patients. Weight continues to be the greatest concern for patients in their daily usage. To address the weight concern on the previous AWAK 3 kg model, we thought out of the box to develop a 1 kg Regular cartridge and 1.7 kg Hi-Capacity cartridge, with a common – use AWAK Cyclers. Both cartridges have its own carrying bag that can be converted into a pouch or a sling bag. For ease of use, the AWAK Cyclers is designed as a universal controller with a one touch button operation. This new design, besides being light and ease of use, has also improved the sterility of the system as all wetted components are removed at every change of cartridge.



AWAK All in One (AiO) Design

We welcome more feedbacks at info@awak.com