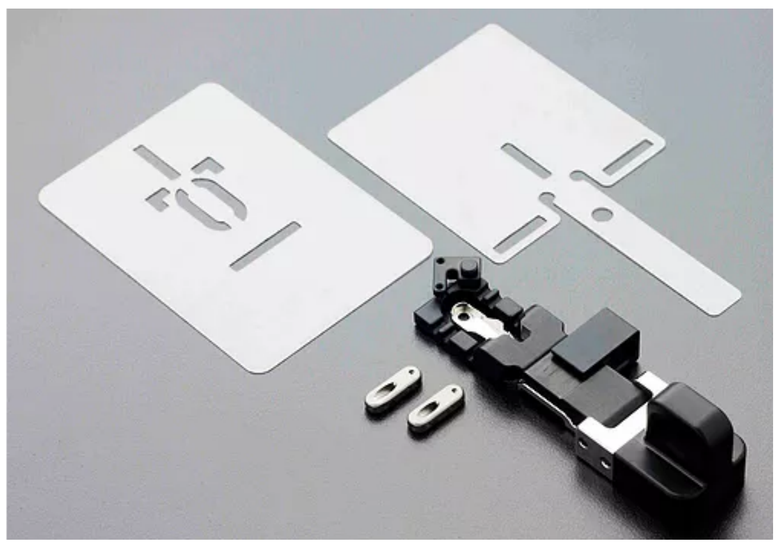
FUSIONWORLD

av-Guardian™ FOR FISTULA ACCESS DURING KIDNEY DIALYSIS

MEDICAL IMPLANT THAT GUIDES NEEDLE INSERTION DURING DIALYSIS



(From left)
1) The av-Guardian™

2) Haemodialysis

CHALLENGES

Haemodialysis sustains the life of kidney failure patients until they get a kidney transplant.

In haemodialysis, a dialysis machine is used to cleanse the patients' blood in place of the failed kidney. A minor surgery is first done to join an artery and vein in the patients' arm, to allow acce to the blood.

When patients undergo their dialysis for up to three times each week, sharp needles are used a different spots along this critical vein, the arteriovenous fistula (AV fistula), to prevent damage.

Even with this preventive measure, this lifelong dialysis process for a kidney failure patient cou cause the weakening of the vein, and eventually it may become unfit for use.

OUR SOLUTION

The world's first medical implant, av-guardian™, pioneers the concept of having a non-contact "guide-door" for dialysis needles to enter the patients' AV fistula.

It serves as a high-quality tissue track to enable less painful and reliable vascular access, as opposed to blind needling, to improve patient outcomes and comfort.

It allows patients to use blunt needles instead of sharp needles to access blood, in a consistent position, angle and depth at the same optimal place.

The development of the av-guardian™ unlocks the future of dialysis in novel or alternative care environment, and Advent Access is currently conducting a second clinical study to evaluate the potential for av-guardian™ to assist in self-cannulation and, ultimately, to enable more patients to benefit from home or self-haemodialysis

In September 2018, the av-guardian™ has completed the regulatory submission and key audits for the CE Mark in the European Union (EU).

BENEFITS

- Provides reliable access to the AV fistula
- Reduces wear and tear on the AV fistula, and also risks of hospitalisation/surgery
- Reduces injuries caused by sharp needles
- Reduce labour costs for dialysis centres, when patients gain ability to self-cannulate

CONTACT US
Dr. Peh Ruey Feng / Dr. Ye Hongye
T+65 9112 6551 E corporate@adventaccess.com

FUSIONWORLD
WWW.FUSIONWORLD.SG