The WireSafe prevents the Never Event of guidewire retention and improves sharps safety during central venous line insertion.

Retained guidewires are ranked the second highest retained foreign object in the NHS and result in increased morbidity and mortality for patients and increased costs to hospitals. This error is devastating personally for doctors. After a never event occurs, well-intentioned training programmes and procedural changes following root cause analyses have an effect but this is unsustained and the reported incidence continues to rise.

The WireSafe is a locked procedure pack that contains all the equipment needed to complete the procedure after the point the guidewire is normally removed (stitch, stitch holder, dressing, scissors etc). The guidewire is used as a key to open the WireSafe therefore, the clinician is unable to access the contents to complete the procedure without first removing the guidewire from the patient.

In human factor terms this is known as a forcing function and is commonly used in high-risk industries. After use, the WireSafe becomes a convenient sharps box, facilitating sharps safety during clean up after the procedure.

**Conclusion:**
The WireSafe was designed as a procedural pack engineered as a solution to:

- Prevent guidewire retention
- Facilitates a safe completion of the procedure
- Allow safe disposal of sharps and wires

**References:**