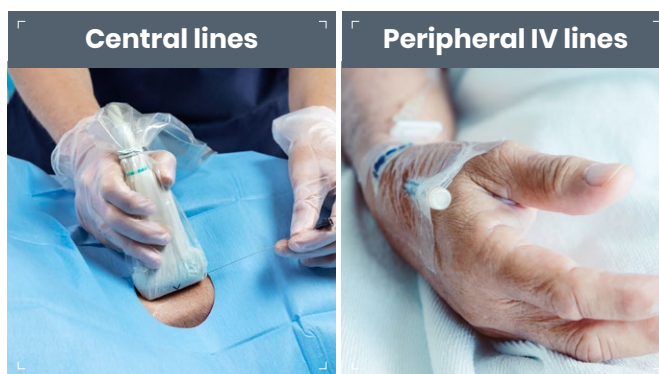


# Protect Patients and Staff IN 90 SECONDS



## High Level Disinfection – EVERY ultrasound probe for EVERY patient – is this possible?

To achieve the full benefits of utilising ultrasound for diagnostics and guided procedures in central line and arterial line placement, medical teams in Emergency and Intensive Care departments need to quickly High Level Disinfect (HLD) their ultrasound probe between patients. HLD is the only way to ensure all Non-Enveloped Viruses (norovirus, HAV, HPV) and Enveloped Viruses (HSV, Flu) are killed to reduce cross infection risk between patients and medical teams.<sup>1</sup>



### Medical teams are choosing Chronos to make it possible:

- **Faster:** 90 second cycle time versus 14-32 minutes for chemical based methods.<sup>2</sup>
- **Simpler:** fully automated with one push button process versus multiple steps plus digital tracking makes compliance with HLD easy.
- **Cleaner:** Only HLD system proven effective against Human Papillomavirus (HPV) in both laboratory and real usage conditions. Published research tests have shown that many common disinfectants are not effective at killing native HPV.<sup>3,4</sup> Additionally, Chronos' chemical-free operation makes it ideal for POCUS.

All that is needed is an electrical connection as there are NO other running costs

# Chronos

FASTER, SIMPLER, CLEANER.  
For seamless HLD.

**References:** **1.** CDC Health Alert Network September 11, 2015. Available from: <http://emergency.cdc.gov/han/han00382.asp>. **2.** Johnson *et al.*, Evaluation of a Hydrogen Peroxide-Based System for High-Level Disinfection of Vaginal Ultrasound Probes, *Journal of Ultrasound Medicine*, 32:1799-804, 2013. **3.** Meyers J, Ryndock E, Conway MJ, Meyers C, Robison R. Susceptibility of high-risk human papillomavirus type 16 to clinical disinfectants. *J Antimicrob Chemother.* 2014;69(6):1546-50. **4.** Meyers C, Milici J, Robison R (2017) UVC radiation as an effective disinfectant method to inactivate human papillomaviruses. *PLoS ONE* 12 (10): e0187377.

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