

Ultrasound and the Emergency Department: The importance of effective ultrasound probe reprocessing



How safe is your ultrasound equipment?

Point of care ultrasound has become a cornerstone in the diagnosis and treatment of patients in the ED.¹ With quick turnaround times, it is often not practical to move probes to and from centralized soaking stations for disinfection. Infection prevention can be a real challenge in the ED.

A recent study set out to investigate the potential for contamination with patients' blood and microbes on ultrasound transducer probes in EDs.² Results showed that there can be significant contamination of ultrasound equipment, with 57% of ultrasound probes tested showing blood contamination and 46% showing microbiological contamination.² These concerning results really highlight the need for appropriate disinfection.

Introducing trophon*, automated high level disinfection for ultrasound probes

trophon2 is our latest innovation in ultrasound probe reprocessing. It features an enhanced design, simple and fast workflows, plus all new AcuTrace™ for digital record keeping and seamless integration with your hospital IT system. It is fully mobile, can be conveniently used at point of care, and is compatible with a huge range of ultrasound probes, including surface probes commonly used in the ED.

The powerful disinfection technology used by trophon has been proven effective against the widest range of microorganisms, including high-risk HPV, while minimising exposure to chemicals for both patients and healthcare professionals. Its compact, self-contained design means that you can use it at the point of care, negating the need to carry the probes to a central disinfection station.

Here's why one busy New York hospital uses trophon in their Emergency Department...

"It saves time ... we don't have to move the probes to different floors, and the time until the probe is ready is short.... the unit is low maintenance, it's so easy to use".

"Everybody really likes using it".

"It has saved us money by reducing probe damage due to moving probes around".



Have you trophoned today?

Join over 5,000 health care facilities that use trophon to high level disinfect their ultrasound probes (including all 50 of the top 50 hospitals in the US)

Learn more at www.nanosonics.us

References: 1. Shokoohi HA, Armstrong P, Tansek R. Emergency department ultrasound probe infection control: Challenges and solutions. Open Access Emergency Medicine. 2015;7:1-9. 2. Keys M, Sim BZ, Thom O, Tunbridge MJ, Barnett AG, Fraser JF. Efforts to Attenuate the Spread of Infection (EASI): a prospective, observational multicentre survey of ultrasound equipment in Australian emergency departments and intensive care units. Crit Care Resusc. 2015;17(1):43-6. Nanosonics, Inc. 17205 E 87th Street, Indianapolis, IN 46256 USA.

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