ASP Advanced Sterilization Products

Do Your Scopes and Cameras Deliver Premium Performance?

Shouldn't your sterilization method protect that advantage?

MEASURES TAKEN TO REDUCE DAMAGE AND REPAIR COSTS OF RIGID ENDOSCOPES DURING THEIR HANDLING AND PROCESSING IN SURGICAL PRACTICE

"High temperature damage to lenses was reduced in the order of 80% when low-temperature hydrogen peroxide gas plasma was applied for sterilization instead of steam autoclaving".

Source: Taylor & Francis Online / https://www.tandfonline.com/doi/abs/10.1080/13645700310002567

MULTI-CENTER EVALUATION OF OPTICAL DEGRADATION PATTERNS IN RIGID ENDOSCOPES: A DATA-DRIVEN APPROACH

"For specific endoscope types, comparisons between new and repaired endoscopes showed that repaired endoscopes have a median lifespan of 30% fewer usages and median light transmission that is 11% lower than new endoscopes".

Source: Dove Medical Press Taylor & Francis Group / https://www.dovepress.com/article/download/107739

EXPANDING STERILIZATION OPTIONS FOR MEDICAL DEVICES

"...hydrogen peroxide-based (VH2O2) low-temperature sterilization does less damage to medical instruments than steam autoclaves, resulting in lower repair and replacement costs".

Source: STERIS Healthcare Knowledge Center / https://www.steris.com/healthcare/knowledge-center/sterile-processing/expanding-sterilization-options-medical-devices

STERILIZATION EFFECTS ON OPTICAL COMPONENTS OF ENDOSCOPES: RISKS & BEST PRACTICES

"Endoscopes use lenses, fiber bundles, and coatings that have to survive repeated sterilization. Steam sterilization (autoclaving) causes expansion and contraction, which stresses adhesives and leads to microcracks in glass or polymer coatings".

Source: ICO Optics / https://www.ico-optics.org/sterilization-effects-on-optical-components-of-endoscopes/

AN ECONOMIC ANALYSIS OF THE BENEFITS OF STERILIZING MEDICAL INSTRUMENTS IN LOW-TEMPERATURE SYSTEMS INSTEAD OF STEAM

"...increased [low] temperature sterilization costs are outweighed by the savings associated with less frequent repairs. Over a 10-year period, in large health care facilities, the probability of achieving an internal rate of return of at least 6% is 0.81".

Source: The American Journal of Infection Control (AJIC) / https://www.ajicjournal.org/article/S0196-6553(17)30147-5/fulltext

Connect with your ASP Trusted Advisor to explore sterilization options that help protect your optical investment.

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33 Technology Drive, Irvine, CA 92618

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