

OUR POSITION ON TRICLOSAN IMPREGNATED PRODUCTS



Medtronic
Further, Together

Surgical site infections and the potential for antibiotic resistant bacteria are continuing concerns in healthcare settings.^{1,2,3}

As a committed member of the healthcare community, **we are dedicated to ensuring that our medical devices meet the highest standards of use.**



DUE TO:



Mixed reviews on the efficacy

to reduce surgical site infections by triclosan impregnated sutures¹⁻⁹



Monofilament absorbable sutures could be an alternative option to potentially reduce the risk of Surgical Site Infection

Monofilament synthetic absorbable sutures are less prone to bacterial colonization than triclosan impregnated braided sutures¹⁰



Scientific studies raise potential concerns

over the use of triclosan¹¹⁻¹⁴ which resulted in consumer products being banned by the FDA¹⁵



We have made the decision to
ensure that all of our products are triclosan-free

REFERENCES

1. Chang W, Srinivasa S, Morton R, Hill A. Triclosan-Impregnated Sutures to Decrease Surgical Site Infections. *Ann Surg*. 2012;255(5):854-859.
2. Deliaert A, Van den Kerckhove E, Tuinder S et al. The effect of triclosan-coated sutures in wound healing. A double blind randomised prospective pilot study. *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 2009;62(6):771-773.
3. Turtiainen J, Saimanen E, Mäkinen K et al. Effect of Triclosan-Coated Sutures on the Incidence of Surgical Wound Infection After Lower Limb Revascularization Surgery: A Randomized Controlled Trial. *World J Surg*. 2012;36(10):2528-2534.
4. Seim B, Tonnessen T, Woldbaek P. Triclosan-coated sutures do not reduce leg wound infections after coronary artery bypass grafting. *Interact Cardiovasc Thorac Surg*. 2012;15(3):411-415.
5. Isik I, Selimen D, Senay S, Alhan C. Efficiency of Antibacterial Suture Material in Cardiac Surgery: A Double-Blind Randomized Prospective Study. *Heart Surg Forum*. 2012;15(1):40.
6. Thimour-Bergström L, Roman-Emanuel C, Scherstén H, Friberg Ö, Gudbjartsson T, Jeppsson A. Triclosan-coated sutures reduce surgical site infection after open vein harvesting in coronary artery bypass grafting patients: a randomized controlled trial†. *European Journal of Cardio-Thoracic Surgery*. 2013;44(5):931-938.
7. Wang Z, Jiang C, Cao Y, Ding Y. Systematic review and meta-analysis of triclosan-coated sutures for the prevention of surgical-site infection. *British Journal of Surgery*. 2013;100(4):465-473.
8. Edmiston C, Daoud F, Leaper D. Is there an evidence-based argument for embracing an antimicrobial (triclosan)-coated suture technology to reduce the risk for surgical-site infections?: A meta-analysis. *Surgery*. 2013;154(1):89-100.
9. de Jonge SW, Atema JJ, Solomkin JS, Boermeester MA. Meta-analysis and trial sequential analysis of triclosan-coated sutures for the prevention of surgical-site infection. *Br J Surg*. 2017;104(2):e118-e133.
10. JB Stopek, J Miglioizzi C Chai, A Irfan, S Tsai, J Hotter, and J Thomas, Bacterial Colonization of Suture Biomaterials with Varied Substrate Architecture and Chemistry. Presented at the Society of Biomaterials, 2008.
11. Schweizer H. Triclosan: a widely used biocide and its link to antibiotics. *FEMS Microbiol Lett*. 2001;202(1):1-7.
12. Brenwald N, Fraise A. Triclosan resistance in methicillin-resistant *Staphylococcus aureus* (MRSA). *Journal of Hospital Infection*. 2003;55(2):141-144.
13. Levy S. Antibacterial Household Products: Cause for Concern. *Emerg Infect Dis*. 2001;7(7):512-515.
14. Aiello A, Larson E, Levy S. Consumer Antibacterial Soaps: Effective or Just Risky?. *Clinical Infectious Diseases*. 2007;45(Supplement_2):S137-S147.
15. Food and Drug Administration, HHS. Safety and Effectiveness of Consumer Antiseptics; Topical Antimicrobial Drug Products for Over-the-Counter Human Use. Final rule. *Fed Regist*. 2016;81(172):61106-61130. <https://www.govinfo.gov/content/pkg/FR-2016-09-06/pdf/2016-21337.pdf>. Accessed on 08.05.2021