

QUICK FACTS

SURGICAL SITE INFECTIONS (SSIs) AFTER SPINE SURGERY

AFFECTS

0.1%-6.7%

of adult
spinal surgery
patients¹



AFFECTS

**UP TO
14%**

of pediatric
spinal surgery
patients²⁻³



INCREASES COSTS OF CARE

**2-4
times^{1,4}**



PROLONGS HOSPITALIZATION

**3.1 to
10.0
days⁴**



Procedural Risks^{1,4-6}

- Posterior approach
- Lumbar surgery
- Instrumentation-augmented procedure
- Revision surgery



Antimicrobial Resistance⁷

- **43.5%** of spinal fusion infections were polymicrobial
- Majority (57.5%) **resistant to antibiotics**

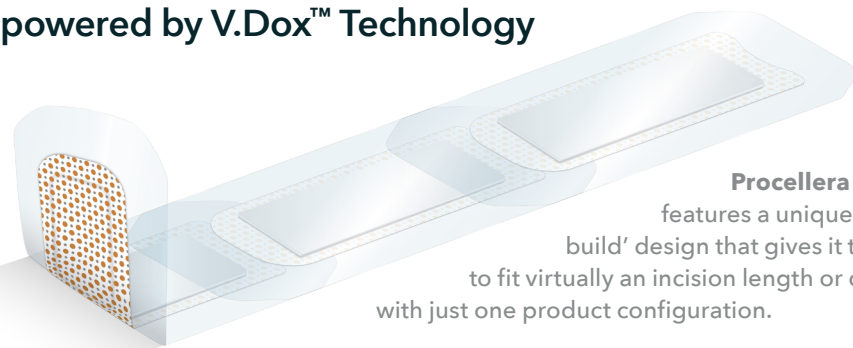


Increased Morbidity/Mortality

- **57-67%** re-operation rate^{1,5}
- **1-7%** mortality rate⁴

Reduce the Risk with Procellera™ FlexEfit™ Antibacterial Wound Dressing powered by V.Dox™ Technology

V. Dox Technology employs embedded microcell batteries that generate electricity designed to mimic the skin's natural electric energy, which is essential for cell migration and healing. It has demonstrated impact against a broad spectrum of bacteria, including **multi-drug resistant and biofilm-forming bacteria**.⁸⁻¹⁰



Procellera FlexEfit features a unique 'link and build' design that gives it the flexibility to fit virtually an incision length or curvature with just one product configuration.

REFERENCES

1. Dessy AM et al. Reduced surgical site infection rates... *Cureus*. 2017 Apr 6;9(4): e1139. 2. Sponseller PD et al. Infection rate after spine surgery... *Clin Orthop Relat Res*. 2010 Mar;468(3):711-6. 3. Alexiades N et al. High prevalence of gram-negative rod... *Pediatr Neurosurg*. 2020;55:92-100. 4. Patel H et al. Burden of surgical site infections... *Surg Infect (Larchmt)*. 2017 May/Jun;18(4):461-473. 5. Chaichana KL et al. Risk of infection following... *J Neurosurg Spine*. 2014 Jan;20(1):45-52. 6. Dowdell J et al. Postoperative spine infection: diagnosis and management. *Global Spine J*. 2018 Dec;8(4 Suppl):375-435. 7. Long DR et al. 2021 Young Investigator Award winner: anatomic gradients... *Spine (Phila Pa 1976)*. 2021 Feb 1;46(3):143-151. 8. Kim H et al. Antibacterial efficacy testing... *Open Microbiol J*. 2014 Feb 21;8:15-21. 9. Banerjee J et al. Silver-zinc redox-coupled electrochemical... *PLoS ONE*. 2015;10(3): e0119531. 10. Kim H, Izadjoo MJ. Antibiofilm efficacy evaluation of a... *J Wound Care*. 2015 Feb;24 Suppl 2:S10-4.

Please review the Instructions for Use for a complete list of indications, contraindications, warnings, and precautions.
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K-118 Rev. B

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