

CERAMENT® G with Gentamicin

VALUE PROPOSITION

CERAMENT® G is the first and only injectable antibiotic eluting bone graft indicated for use in bone infection.

The Burden of Bone Infection

Despite medical advancements and use of systemic antibiotics, bone infection remains a challenge. Moreover, bone infections are associated with an increased risk of amputation.

- 1 in 5 infections recur¹
- 2+ surgical interventions typically required²
- 20 - 30% long term recurrence rate³
- \$51K more treatment costs for infected patients⁴

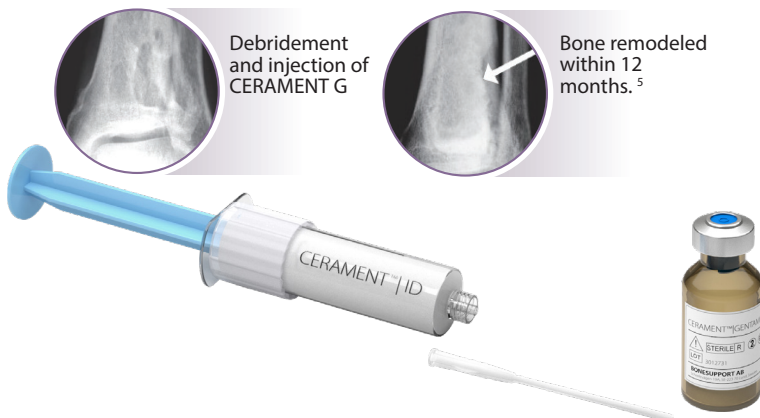
A New Patient Friendly and Fiscally Prudent Pathway

CERAMENT® G addresses two clinical needs; bone remodeling and protected bone healing, leading to significant cost savings and improved clinical outcomes.

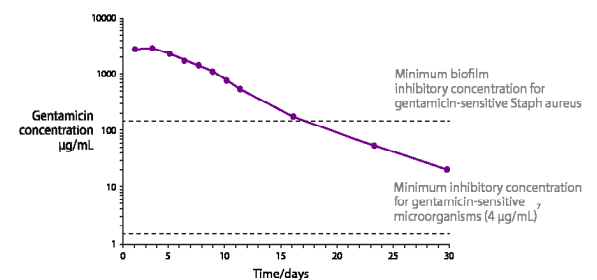
CERAMENT® G Dual Mode of Action

PROMOTE BONE HEALING

- Proven bone remodeling



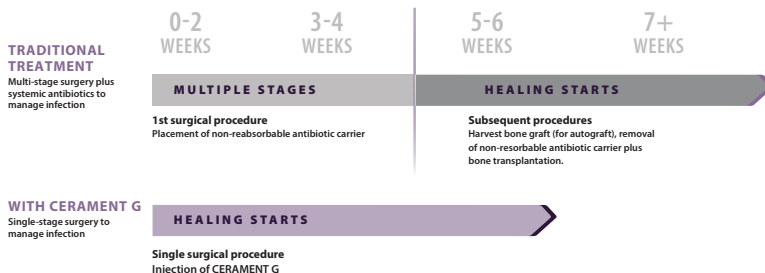
In vitro elution of gentamicin from CERAMENT G⁵



*The minimum inhibitory concentration (MIC) is the lowest concentration of a chemical, usually a drug, which prevents visible growth of bacterium.⁸

Enables a Single-Stage Surgical Approach that is Clinically Proven

Managing bone infections is simplified with CERAMENT® G



CERAMENT® G Helps Reduce Readmissions, Length of Stay and Costs

Oxford Health Economic Data Publication¹⁰

66% reduction in readmissions¹⁰

5X lower risk of death¹⁰

17 fewer bed days¹⁰

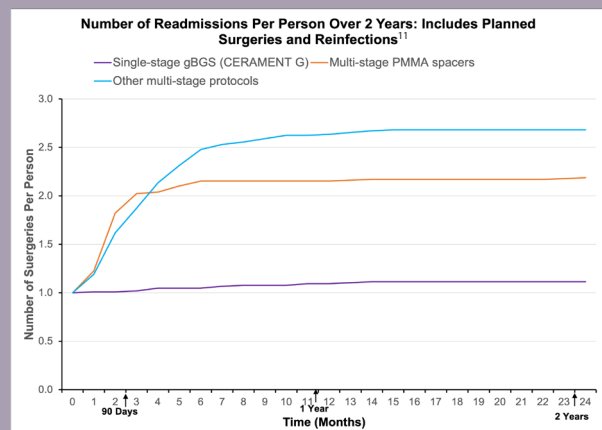
\$10,907 direct cost savings per patient from reduced length of stay¹⁰

** Compared to UKs top 10 osteomyelitis facilities*

US Based Health Economic Model¹¹

50 - 60% reduction in surgeries/reinfections¹¹

- Improve patient satisfaction
- Limit risk of reimbursement penalties
- Decrease cost of care



Reimbursement

- **\$4,918** maximum reimbursement
- **ICD-10-PCS Code:** XW0V0P7

New technology add on payment (NTAP)

- Offsets product cost, reducing financial impact
- Unique ICD-10 Procedure Code
- Supports access to new technology

REIMBURSEMENT HOTLINE:

Email: usreimbursement@bonesupport.com
Phone: 1-866-903-2663

TO ORDER CERAMENT® G:

Email: us.sales@bonesupport.com
Phone: 1-877-719-6719

1. Conterno, L.O., Turchi, M.D. Antibiotics for treating chronic osteomyelitis in adults. *Cochrane Database Syst Rev.* 2013;2013(9).
2. Bezstarosti et al. Insights into treatment and outcome of fracture-related infection: a systematic literature review. *Arch Orthop Trauma Surg* 139, 61–72 (2019).
3. Pande K. Optimal management of chronic osteomyelitis: current perspectives. *Orthop Res Rev.* 2015;7:71-81.
4. Thakore et al. Sethi MK. Surgical site infection in orthopedic trauma: A case-control study evaluating risk factors and cost. *J Clin Orthop Trauma.* 2015 Dec;6(4):220-6. doi: 10.1016/j.jcot.2015.04.004. Epub 2015 Jun 18. PMID: 26566333; PMCID: PMC4600831.
5. Ferguson et al. 'Radiographic and Histological Analysis of a Synthetic Bone Graft Substitute Eluting Gentamicin in the Treatment of Chronic Osteomyelitis'. *J. Bone Joint Infect.* 2019; 4(2): 76-84.
6. S038/2023.BONESUPPORT data on file.
7. Aureus MBIC level: Mottola et al. 'Susceptibility patterns of Staphylococcus aureus biofilms in diabetic foot infections'. *BMC Microbiology* 2016; 16:119. <https://core.ac.uk/download/pdf/71740102.pdf>
8. https://en.wikipedia.org/wiki/Minimum_inhibitory_concentration [accessed 24th September 2019].
9. McNally et al. 'Single-stage treatment of chronic osteomyelitis with a new absorbable, gentamicin-loaded, calcium sulphate/ hydroxyapatite biocomposite'. *Bone Joint J.* 2016 Sep; 98-B(9):1289-96.
10. Ferguson et al. A retrospective cohort study comparing clinical outcomes and healthcare resource utilisation in patients undergoing surgery for osteomyelitis in England: a case for reorganising orthopaedic infection services. *Journal of bone and joint infection* vol. 6,5 151-163. 28 Apr. 2021.
11. M.J. Carter, PhD1, P.S. Calara, MSc2, M. Diefenbeck, MD PhD3, P.E. Matuszewski, MD4, A. Agarwal, MD5, D.C. Allison, MD, FACS6: Cost-Effectiveness of Single Stage Surgery of Osteomyelitis. SOMOS Conference Presentation Session 7A: Research – Trauma, Arizona, 2022. SOMOS 64th Annual Meeting (xcdsystem.com)