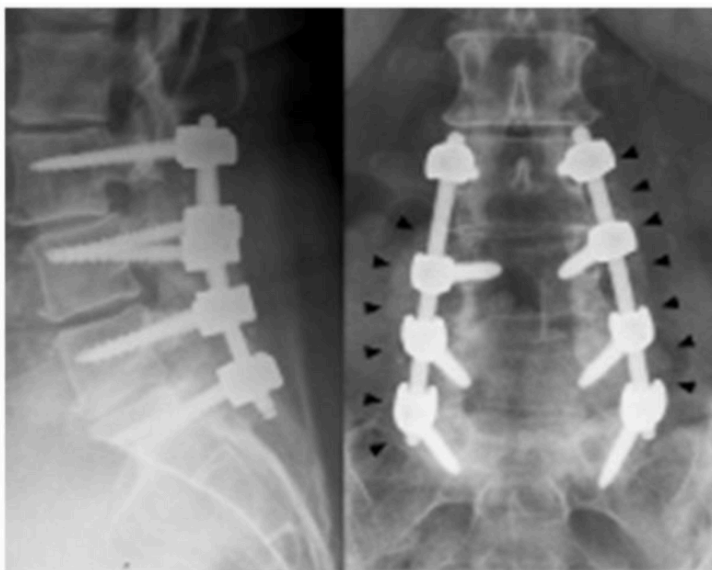




## Research Article

### A Novel Hyper-Crosslinked Carbohydrate Polymer Bone Graft Substitute for Spinal Fusion

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SPINAL FUSION PROCEDURES WITH HCCP BY REGION

REGION	NUMBER OF PROCEDURES	FUSED* <i>n</i> , (%)
Cervical	23	17/20, (85.0)
Thoracic	12	8/8, (100.0)
Lumbar	26	19/20, (95.0)
Unspecified	2	1/1, (100.0)
All Levels	63	45/49, (91.8)

\* Number fused of number of patients returning for follow-up, 14 patients lost to follow-up

## Is HCCP (Osteo-P® BGS) the Next Gold Standard in Bone Grafting?

Bone grafting just got smarter—and safer. Recent research highlights the transformative impact of our pioneering polysaccharide bone graft platform. This next-generation carbohydrate polymer technology is redefining surgical approaches to bone grafting, offering a safer and more effective alternative. Demonstrated to be highly effective in animal models and validated by a retrospective human clinical study, fusion rates over 91% were achieved with Osteo-P® BGS without the complications associated with traditional graft methods. Explore the groundbreaking results published in Bioengineering MDPI and discover how we are setting a new standard in bone grafting.

#### Highlights:

1. Retrospective clinical trial (N=63) assessed posterolateral fusion success.
2. **Osteo-P® BGS** was used as an adjunct bone with autograft, allograft, demineralized bone matrix, or combinations, and with/without BMP-2.
3. Fusion rates averaged 91.8% with **Osteo-P® BGS**.
4. No adverse events.
5. Radiolucent **Osteo-P® BGS** allowed real-time bone formation visualization.
6. Preclinical studies showed **Osteo-P® BGS** was nonimmunogenic, nontoxic, supported angiogenesis, and with a degradation profile matching bone formation rate.

[Click here](#) to read the full article and join the conversation about the future of bone regeneration.

