



KYOCERA Medical Technologies, Inc.

BIOCERATM FIBERS

The only biosynthetic scaffold with
electrospun microfiber construction

CASE STUDY 02

SURGEON PROFILE

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Patient Profile

- 27-year-old female
- Prior decompression L5—S1 (partially lumbarized S1)
- Two-year history of recurrent back pain (VAS score 9/10) and leg pain (VAS score 8/10)



Treatment

- Disc space prepared in usual fashion
- 25cc BioCera Fibers hydrated with 8cc concentrated bone marrow aspirate
- Packed into disc space after disc preparation and prior to cage placement



Case Study

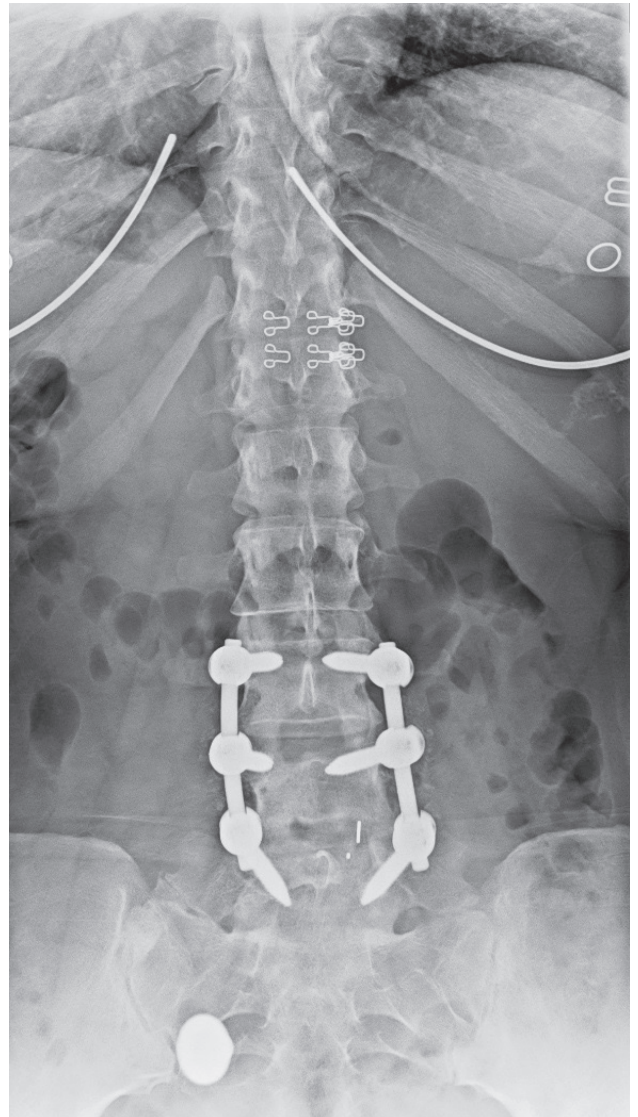
Not approved by the FDA for the above indication.

Postoperative Course

- Abundant bone growth around the cage



2 weeks postop: Early healing



12 weeks postop: Bridging ossification



ELECTROSPUN MATRIX

Composed of β -TCP, CaCO₃, silicon and PLGA.
Contains 0.5% to 1% silicon by weight, which is
comparable to the level found in natural bone.



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