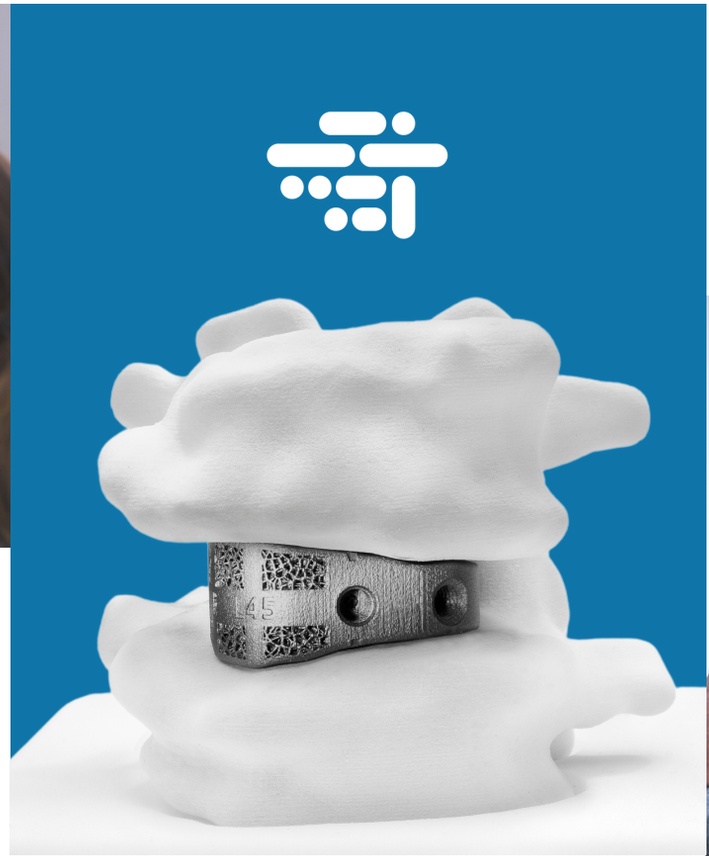
aprevo® is all about You

At this point, you and your surgeon have discussed spinal fusion as a solution to your symptoms. During this procedure, the affected disc space is replaced with an implant that provides the needed stability for two vertebral bodies to grow together into one long bone with the goal of eliminating instability and pain in the lower back and lower extremities.

Standard off-the-shelf spinal fusion implant systems provide stock sizes that are mass produced and are not designed to fit your anatomy. In contrast, aprevo® is fully personalized to each individual patient for an optimal fit.

Your spine is unique. aprevo® is a solution specific to your anatomy and provides your surgeon with valuable tools before and during surgery to ensure that the care you receive is all about you.



Contact Us
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CAUTION: The aprevo personalized interbody devices are intended for use in patients diagnosed with severe symptomatic adult spinal deformity (ASD) conditions. These patients should have had six months of non-operative treatment. Only a licensed physician can help you determine the appropriate medical treatment. There are potential risks to spine surgery, and individual results may vary. Before making any decisions concerning medical treatment, consult your physician regarding your options and the risks of those options. Improvements in pain and function will depend on various factors, including your physical condition, your activity level, adherence to your physician's instructions, and other factors. USA federal law restricts this device to sale by or on the order of a physician.

LBL-0018 Rev 2, 06/2022

aprevo™

get your power back

We focus on one patient at a time

Personalized
Surgical Plans & Spinal Fusion Devices

carlsmed™

With personalized aprevo®, this could be the last spine surgery you will ever need

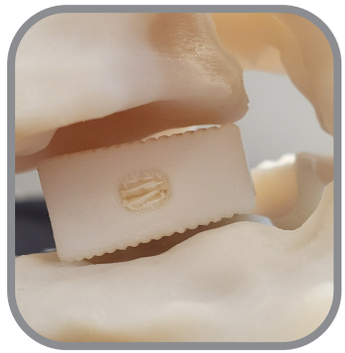
For patients that require surgery to address their spine pain and alignment, it is important to consider long term outcomes and personalized care.

Data has shown that achieving the planned spinal alignment has a far greater impact on clinical outcomes than perioperative and postoperative complications in adult spinal deformity surgery. aprevo® was developed to help surgeons achieve the desired correction during surgery which has been proven to reduce complications and improve outcomes.[1,2]

How is aprevo® designed to improve upon traditional spinal fusion surgery?

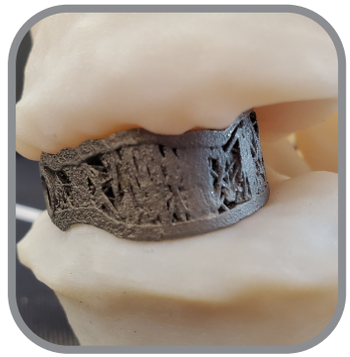
aprevo® is designed to fit the unique bony surfaces of your spine. In collaboration with your surgeon, we use proprietary algorithms to create a personalized surgical plan for you. Upon approval by your surgeon, your interbody fusion implants are then manufactured to match that plan.

Each implant is designed to support your spine in the planned alignment and provide improved load distribution to protect your spine during healing.[3]



Traditional Spinal Fusion

A gap can exist between stock devices and spinal endplate anatomy.



Personalized aprevo®

Designed to fit your spine precisely by conforming to the irregular anatomy of spinal endplates.

References:
1. Rothenfluh, Euro spine journal 2015 **2.** Tempel ZJ, Neurosurgery, 2017 **3.** Wang, et al. Proc Inst Mech Eng H. April 2018.

Your aprevo® Journey

1. **Consult with your surgeon**

   You and your surgeon decide that personalized spine surgery with aprevo® is right for you.

2. **Scan your spine**

   Your personalized implant begins with images of your spine. A CT scan and X-Ray imaging is sent securely to Carlsmed®.

3. **Your implants are personalized**

   Proprietary digital technologies are used to generate a personalized surgical plan and aprevo® implant designs.

4. **Preparing for surgery**

   Once the plan is approved by your surgeon, the titanium aprevo® implants are 3D printed, sterile packaged, and delivered to the hospital in advance of your surgery.

5. **Getting your power back**

   You undertake life changing treatment and begin your road to recovery.