

**aprevo**<sup>®</sup>  
get your **power** back<sup>™</sup>



**IT ALL BEGINS WITH  
YOU.**

**Patient-specific spinal implants**



# What is aprevo<sup>®</sup> technology?

Using patient imaging and digital technologies, aprevo<sup>®</sup> provides personalized surgical plans and patient-specific implants to help your surgeon achieve the desired correction during surgery. Achieving the optimal correction has been shown to reduce complications.<sup>1,2</sup>



Similar to your fingerprint, your spine is unique. Your spinal implant should be the same.



# State-of-the-art implants designed **JUST FOR YOU.**

## Benefits of using aprevo<sup>®</sup>

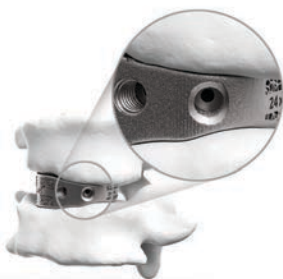
### Personalized fit

Due to a one-size-fits all approach, generic implants are mass produced and not designed to match your anatomy.

aprevo<sup>®</sup> patient-specific spinal implants are different—they provide a personalized fit that follows the shape and contour of your vertebrae to support, and protect your spine during healing.<sup>3</sup>



Stock implant  
device



aprevo<sup>®</sup>  
patient-specific implant

### Unmatched Alignment<sup>4</sup>

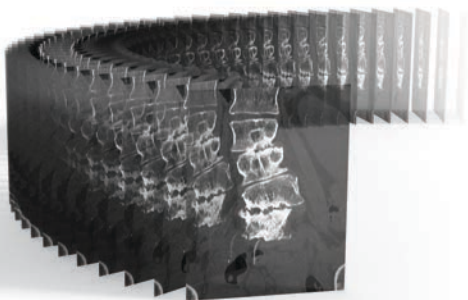
Compared to traditional manual measurements aprevo<sup>®</sup> uses computer aided planning and 3D models, helping your surgeon identify the desired correction for your spine.

### Smarter Surgery

The personalized aprevo<sup>®</sup> surgical plan provides your surgeon with a higher degree of confidence and accuracy<sup>4</sup> to help achieve optimal alignment. Restoring alignment contributes to improved outcomes and patient satisfaction.

# aprevo<sup>®</sup>

## HOW IT WORKS



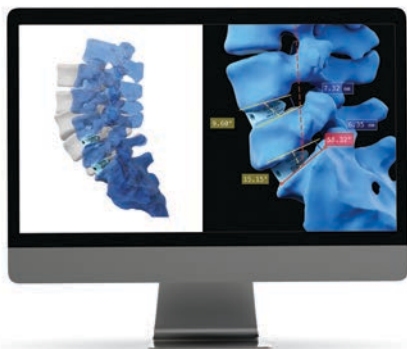
- 1** Images of your spine using a quick CT scan (specialized X-ray cameras) will be needed for the creation of your personalized aprevo<sup>®</sup> surgical plans and implants. Your images are securely sent by the facility to our Carlsmed<sup>®</sup> design team.



- 2** Carlsmed transforms your surgeon's surgical plan into a 3D model of your spine and designs patient-specific implants specifically for you to achieve an optimized fit and implant placement.

# aprevo<sup>®</sup>

## HOW IT WORKS



- 3** Your surgeon will review and finalize the detailed surgical plan and implant design targeting the alignment that best addresses your clinical situation.



- 4** Once the plan is approved by your surgeon, aprevo<sup>®</sup> implants are 3D printed, and delivered to the hospital before your surgery.

# aprevo<sup>®</sup>

## WE'VE GOT YOUR BACK

### INSURANCE COVERAGE:

**Medicare has designated aprevo<sup>®</sup> as a transformative new technology and may provide additional reimbursement to your hospital.**

Insurance coverage can vary. Ask your surgeon's office for more information.



## CONTACT US

(760) 766 1923

[www.carlsmed.com](http://www.carlsmed.com)



**CAUTION:** The aprevo<sup>®</sup> personalized interbody devices are intended for use in patients with a broad range of degenerative conditions of the lumbar spine when non-operative treatment has failed. 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.

#### References:

1. Rothenfluh, Euro spine journal 2015
2. Tempel ZJ, Neurosurgery, 2017
3. Wang, et al. Proc Inst Mech Eng H. April 2018.
4. Data on File



Carlsmed, Inc. 1800 Aston Ave. Ste. 100 Carlsbad, CA 92008