

Total Talus Replacement Homepage

Purpose: To provide general information about procedure & give audience two paths to take (patient or surgeon) for more specific & relevant information

Future State

Make Avascular Necrosis a Choice

With Total Talus Replacement
By Additive Orthopaedics



Details & Benefits

What is Total Talus Replacement?

In late stage Avascular Necrosis, if the talus has begun to collapse or has fully collapsed, surgical intervention is required. During this procedure, the talus bone is removed and replaced with a Patient Specific Talus Spacer implant. This is considered a joint-sparing procedure, as it allows you to maintain motion of your ankle joint.

Get pain relief	Enjoy recreational activities again	Continue your career	Avoid fusion or amputation
-----------------	-------------------------------------	----------------------	----------------------------

Options (Patient or Surgeon)

More Specific Information

<p>If you're a patient and want to learn more about how this procedure works, the benefits, and if it's right for you. Click below to learn more.</p> <p>(Learn More)</p>	<p>If you're a surgeon and want to see if this procedure could be a good solution for your patients, click below to learn more.</p> <p>(Learn More)</p>
---	---

Social Proof (testimonials)

What _____ are saying

(possibly a picture)	(possibly a picture)	(possibly a picture)
Name	Name	Name
Testimonial.....	Testimonial.....	Testimonial.....

Contact Form

For more specific questions, feel free to reach out
(contact form)

Mini options (patient or surgeon)

[Click here if you're a patient](#)

[Click here if you're a surgeon](#)

Footer

Total Talus Replacement - Patient Page

Purpose: To provide patient with necessary information they need to make a decision on getting this procedure for themselves

Future State

Walk without ankle pain

With Total Talus Replacement
By Additive Orthopaedics

(find a surgeon)

Benefits

Benefit 1 (get pain relief)	Benefit 2 (enjoy activities again)	Benefit 3 (one more)
--------------------------------	---------------------------------------	-------------------------

Details on AVN & Treatment (intro to problem & solution)

<p>What is Avascular Necrosis?</p> <p>Avascular Necrosis (AVN) is the death of bone tissue due to a lack of blood supply. AVN can be caused by a sudden bad injury, such as a broken bone or dislocated joint, or an injury that occurs slowly over time, such as long-term use of high-dose steroid medications or excessive alcohol intake.</p>	<p>Graphic or image</p>
<p>Graphic or image</p>	<p>Treatment options?</p> <p>If AVN is early stage, non-operative options may be available. However, in late stage AVN, if the talus begins to collapse or has fully collapsed, there are normally 3 options:</p> <ul style="list-style-type: none"> • Fusion of one or more joints (ankle & foot) which eliminated joint movement • Amputation of lower portion of limb below the knee • Talus Replacement (replacing the talus bone with a Patient Specific Talus Spacer implant)
<p>What is a 3D Printed Patient Specific Talus Spacer??</p>	

The Patient Specific Talus Spacer is an additively manufactured (or 3D printed) patient specific implant that is *designed* and *made individually* for each patient using CT image data.

The talus implant is designed to match your specific anatomy. Material used:

- Cobalt chromium alloy or
- Titanium Alloy with Titanium nitride coating
- (your doctor will select the material best suited for you)

Graphic or image

How it works

How it works

After being administered anesthesia, your surgeon will make an incision on the front of your ankle. They will use surgical instruments to remove your talus bone, and will then insert the patient specific talus implant that was designed for your anatomy. Your surgeon will confirm the fit of the implant under X-ray imaging, and will then close the incision and apply a postoperative bandage.

(find a surgeon)

PDF Download

For even more detailed information, feel free to download our patient guide

(Download)

Surgeon Map

Certified Surgeons for Total Talus Replacement

map

Contact Us

(contact us form)

Humanitarian Device. Authorized by Federal law for use in the treatment of avascular necrosis of the ankle joint.
The effectiveness of this device for this use has not been demonstrated

Total Talus Replacement - Surgeon Page

Purpose: To provide surgeon with information about this operation (what's implanted, the processing, how do I get certified)

Future State

A Better Solution for your AVN Patients

No more fusion or amputation

(learn more)

Social Proof

Testimonials from surgeons

Description

3D Patient Specific Talus Implant

The Additive Orthopaedics Patient Specific Talus Spacer is an additively manufactured implant made from cobalt chromium alloy or titanium with titanium nitride coating.

System Components:

Total Talus Titanium-6 Aluminum-4 Vanadium ELI (Extra Low Interstitial) (ASTM F3001) with TiN coating in 3 sizes: small, nominal, large

-OR-

Total Talus Cobalt Chrome Cobalt-28 Chromium-6 Molybdenum (ASTM F75) in 3 sizes: small, nominal, large

Nylon Anatomical Model in 3 sizes: small, nominal, large

Graphic or image

Graphic or image

Operation Steps

1. Skin Incision/Exposure
2. Dorsal Closing Wedge Osteotomy
3. Middle Talus Resection
4. Anteromedial Interosseous Talocalcaneal Ligament Release

	<ol style="list-style-type: none"> 5. Anterior Talus Resection 6. Posterior Interosseous Talocalcaneal Ligament Release 7. Release of Ligamentous Attachments within the Posterior Process of the Talus 8. Posterior Talus Segment Resection 9. Implant Sizing and Selections 10. Implantation of Patient Specific Talus Spacer
--	---

How to start

How Do I Get Certified?

Step 1	Step 2	Step 3
Contact us with xyz

FAQ

Frequently Asked Questions

Indication for use?	↓
How long is the certification process?	↓
What are the contraindications?	↓
What are precautions?	↓

Contact Us

(contact form)

Humanitarian Device. Authorized by Federal law for use in the treatment of avascular necrosis of the ankle joint.
The effectiveness of this device for this use has not been demonstrated

Total Talus Replacement - About Us Page

Purpose: To share the authentic story behind how additive orthopaedics created the 3D Patient Specific Talus Spacer implant

- Helps viewer emotionally connect to the brand
- Gives a human-human connection

Points that we should hit on this page

- The beginning of Additive
- What was the problem that Additive found (“late stage AVN didn’t have any good solutions”)
- Why did they care about this?
- How did they come up with 3D printing Talus?
- How many people have been helped so far
- Patient testimonials & surgeon if possible

Intro

Getting to know Additive
(why we do what we do)

Our Story

The beginning

Let’s talk about how we got started

The problem

What was the problem Additive found? (for example: late stage AVN doesn’t have good solutions because only amputation & fusion of joints)

Why did they care about this?

The solution

How did they come up with 3D printing Talus?

The impact

How many people have been helped so far
Some nice words from patients &/or surgeons

Connecting to Additive

To learn more about Additive Orthopaedics ([click here](#))

Total Talus Replacement - Contact Us Page

Purpose: To enable the patient or surgeon to reach out directly to Additive for more specific questions

Intro

Contact Us

Contact Us

(contact form)