

Dr. Yan's Industry Products, Educational Resources & Technique Guides



Arthrex

<https://www.arthrex.com/foot-ankle/resources>

Implants, Devices & Products:

- Arthrex Achilles SpeedBridge Kit ([Haglund Deformity & Achilles Tendonopathy](#))
- Arthrex Achilles Mid-Substance PARS Repair System ([Achilles tear](#))
- Arthrex Internal Brace kit ([Lateral Ankle Instability](#))
- DX FiberTak ([Brostrom](#))
- Arthrex Ankle Fracture system ([Ankle Fracture](#))
- Arthrex Fibulock ([Ankle Fracture Fibular Nail](#))
- Tightrope XP ([Ankle Syndesmosis Injury](#))
- Calc Slide, Hallux Valgus - Arthrex MIS system ([Calcaneal Slide, Hallux Valgus MIS Surgery](#))
- DynaNite SuperMX staples, Arthrex Headless FT Compression screws, Arthrex CFS plating systems ([Midfoot Fusion](#))
- Arthrex Headless FT Compression screws, DynaNite Staples, Arthrex CFS plating system ([Forefoot Fusion](#))
- Arthrex MaxForce MTP plating ([MTPJ Fusion](#))
- Tenodesis screws w/ Internal Brace ([Tendon Transfer](#))
- Plantar Plate Repair Kit ([Plantar Plate Repair](#))
- EDB Transfer w/ Internal Brace ([Crossover Toes](#))
- BioSync Evans and Cotton Wedges ([Flat Foot Reconstruction](#))
- Arthrex Ankle Fusion Plating system ([Ankle Fusion](#))
- Arthrex Bone Graft Harvester ([Autograft Harvest](#))
- Arthrex Endoscopic Plantar Fasciectomy ([Plantar Fasciitis](#))

stryker



Stryker Wright Medical

<https://www.stryker.com/us/en/portfolios/orthopaedics/foot-and-ankle.html>

<https://www.wright.com/healthcare-professionals/foot-ankle>

<https://www.totalankleinstitute.com/>

Implants, Devices & Products:

Bunion Correction

- Wright Dart-Fire Cannulated Screw System
- Wright FuseForce Staples

Hammertoe Correction

- Wright Phalinx Hammertoe System

MTP Fusion

- Wright Oloc MTP Plate

Lapidus

- Wright Oloc Lapidus Plate
- Wright Oloc Lapifuse
- Wright Dart-Fire Cannulated Screw System
- Stryker 4.0 Fixos Headless Screws
- Wright FuseForce Staples

Midfoot Fusion/Lisfranc

- Wright Oloc Midfoot Plates
- Wright Oloc N/C Plate
- Stryker Anchorage Plate
- Stryker Anchorage 2 Plate
- Wright Dart-Fire Cannulated Screw System
- Stryker 4.0 Fixos Headless Screws
- Wright Claw Plate
- Wright Lisfranc System
- Wright 3.0/4.3 MUC Headless Screws
- Wright FuseForce Staples

Flatfoot Correction

- Wright 7.0 MUC Headless Cannulated Screws
- Stryker 7.0 Fixos Headless Cannulated Screws
- Wright Oloc Cotton Plate
- Wright Oloc Evans Plate
- Wright Biofoam Titanium Wedges
- Wright Allopure Allograft Wedges
- Wright FuseForce Staples

Triple/Double Arthrodesis

- Wright 7.0 MUC Headless Cannulated Screws
- Stryker 7.0 Fixos Headless Cannulated Screws
- Stryker 5.0 Fixos Headless Cannulated Screw
- Stryker 4.0 Fixos Headless Cannulated Screw
- Stryker Anchorage 2 TN Plate
- Wright FuseForce Staples

TTC Fusion

- Wright Valor Nail
- Stryker T2 Nail

Charcot Reconstruction

- Wright Salvation Ex-Fix
- Stryker LRF Ex-Fix
- Wright Midfoot Nail
- Stryker ICF Midfoot Nail
- Wright Salvation Bolts & Beams
- Wright Salvation Plates
- Wright Oloc Medial Column Plate

External Fixation

- Wright Salvation Ex-Fix
- Stryker LRF Ex-Fix

- Wright Delta Frame Hybrid
- Stryker Hoffman 3 Pin to Bar

Ankle Fracture

- Wright Ankle Fx LP Plating System
- Wright Dart-Fire Cannulated Screw System
- Wright SynchFix Syndesmotic Repair

Calcaneus Fracture

- Wright CLX MIS Plate
- Stryker Variax 2 Calc Fx Perimeter Plate
- 2.7/4.5 Darco Cannulated Screw System

Metatarsal Fracture

- Wright Small Bones Plating System
- Wright Dart-Fire Cannulated Screw System

Jones Fracture

- Wright Jones Fx System
- Wright Small Bones Plating System

Total Ankle Arthroplasty

- Prophecy Infinity
 - Infinity Talus
 - Inbone Talus
- Inbone
 - Prophecy Inbone
 - Footholder Inbone

Biologics

- Wright Augment Injectable
 - 3.0 cc
 - HCPCS C1734
- Wright AlloFiber
 - 5.0 cc
 - 10 cc
- Wright BMA Kit
- Wright Tensix DBM
 - 2.5 cc
 - 5.0 cc
 - 10 cc
- Wright ProStim Bone Void Filler
- Wright Mini-Ignite
- Graft Jacket Dermal Tissue Matrix
- ViaFlow Flowable Amnion

- ActiShield Amniotic Membrane

Lateral Ankle Repair

- 1.4 Iconix Suture Anchor
- 2.3 Iconix Suture Anchor w/ Tape
- 3.9/4.75 Omega Knotless Anchor

Haglund's Deformity

- 2.3 Iconix Suture Anchor w/ Tape
- 3.9/4.75 Omega Knotless Anchor

FDL/FHL Transfer

- Citrelock Biotendonesis Screw
- #2 Whip Stitch
- ProCinch Button

Spring Ligament Repair

- 2.3 Iconix Suture Anchor w/ Tape
- 3.9/4.75 Omega Knotless Anchor
- Citrelock Biotendonesis Screw



<https://www.exac.com/foot-and-ankle/>

<https://www.extremitymedical.com/lower-extremity/>

<https://www.arthrosurface.com/footankle-solutions/>

EXACTECH

Total Ankle Arthroplasty

- Vantage Total Ankle Replacement & PSI system

Foot Fracture & Fusion

Epic plating and screw systems:

- 3.0 Headless
- 4.0/5.0 cannulated screws
- 6.5 Headless
- 7.0 Cannulated screws

- MTP plates
- Hallux Valgus plates
- Midfoot fusion plates

EXTREMITY MEDICAL

Foot Fusion

- IOFix2.0

Charcot Foot Reconstruction

- Axis Charcot Titanium Beaming System
- Axis Charcot Plates

MTPJ Fusion / Midfoot Fusion / Bunion

- Omni Plating systems

Hammertoe

- Hammerfix

Ankle Fusion

- AlignX Ankle Fusion Plating System

ARTHROSURFACE:

Total Toe / Hemi Toe

- ToeMotion Total Toe System
- Toe HemiCAP System



<https://www.smith-nephew.com/professional/products/trauma/footandankle/>

<https://www.integralife.com/integra-bilayer-matrix-wound-dressing/product/wound-reconstruction-care-inpatient-acute-or-integra-bilayer-matrix-wound-dressing>

Integra

TTC Fusion

- **Panta Nail**

Lapidus & Midfoot Fusion

- **UniCP Compression Plates**

Ankle Fusion

- **Tibiaxys**

MTPJ Fusion

- **HalluLock**

Foot Fusion

- **MemoFix Low Profile Staples**

Foot Ankle Fracture

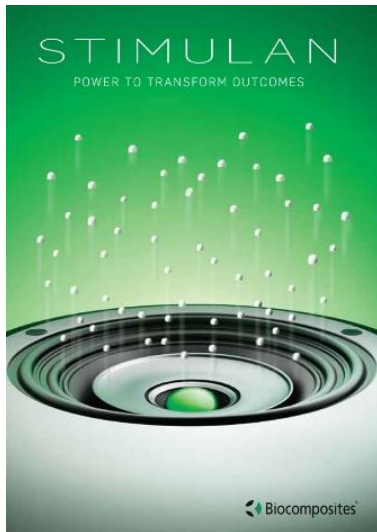
- **EVOS Plating System**

Bone Putty

- **Montage Hemostatic Moldable Hardening Regenerative Bone Putty**

Wound Care

- **Matrix Skin Wound Graft**



Biocomposites: Stimulant

https://www.biocomposites.com/us/our-products/stimulan/?gclid=CjwKCAjwhuCKBhADEiwA1HegOcXsA40PfxjgT1sR1qFQuAxYeYdWYr10BY7D0yaLPE_2CavFQRDhTRoCJFAQAvD_BwE

Infection

- **Stimulant**



Acumed

OsteoMed

Tenex

<https://www.acumed.net/products/foot-ankle/>

https://osteomed.com/sbo_lower.aspx

<https://www.tenexhealth.com/for-physicians/>

Acumed

Ankle Fracture

Acumed Ankle Plating
Fibula Lateral
Fibula Posterior

Acumed Ankle Plating Tibia
Posteriolateral Tibia
Posteromedial Tibia
Anterior Tibia
Medial Tibia
Medial Antiglides Plate
2.7mm Locking Small Frag Plates

Acumed Ankle Plating Fibula/Tibia

Hook Plates
Hook Plates - Locking Peg
1/3 Tubular Plate

Acumed Fibula Nail - 1st Generation

Calcaneus Fracture

Acumed Calcaneal Plating
Anterior Process
Posterior Tuberosity
Combo Plates (anterior process/posterior tuberosity)
Lateral Wall

Foot Ankle Fusion Fixation Screws

Acumed Screws (Headless compression)
Acutrak Headless compression Screws Small 2.8mm/3.6mm/4.1mm
Acutrak Headless Compression Screws Large 4.7mm/5.5mm/7.5mm
Acutwist Compression Screws

Screws(Headed)
2.7mm/3.5mm/4.0 cannulated screws
4.0mm Cannulated Screws, long and short thread

Foot Ankle Fusion Fixation Plates

Acumed Forefoot/Midfoot Plating
MTP Fusion Plates
MTP Revision Plates
MTP/MPJ Combo Plates
Osteotomy Plates
TMT Plates - First Ray
TMT Plates - 2nd/3rd
Lapidus Plate

Autograft Bone Graft

Acumed Bone Harvester 6,8,10,12mm diameters

OSTEOMED

Ankle Fracture

Osteomed Ankle Plating
Osteomed Tibia
Anterior Tibia
Anterior Lateral Tibia
Medial Tibia

Osteomed Fibula
Lateral Fibula

Osteomed Tibia/Fibula
Universal Hook Plate
1/3 Tubular

Ankle Fusion

Osteomed Ankle Fusion Plating System
Anterior Approach
Posterior Approach

Midfoot Forefoot Fusion Fixation

Osteomed Midfoot/Forefoot
1st MTP
Closing Wedge/Opening Wedge Plates
Lapidus
5th Metatarsal Hook Plate
Metatarsal Fracture Plates
Lisfranc
Compression Plates

Calcaneus Fracture

Osteomed Calcaneal Plates

Foot Ankle Fusion Fixation

Osteomed Screws Headed/Headless
2.0/2.4/3.0/4.0/4.5/5.5/6.5

Osteomed Memory Staples

Toe Implants

Osteomed 1st MTP Implant

Osteomed Hemi Great Toe Implant

Osteomed Hemi Lesser Toe Implant

TENEX

- **Plantar Fasciitis**
TX1
TX2



<https://www.smith-nephew.com/professional/microsites/foot-and-ankle/products/>

<https://www.smith-nephew.com/professional/microsites/foot-and-ankle/products/taylor-spatial-frame/>

<https://www.smith-nephew.com/professional/microsites/foot-and-ankle/soft-tissue-repair-2/ankle-arthroplasty-2/>

Smith & Nephew TSF

Smith & Nephew Arthroscopy

Ex Fix Foot Ankle Trauma Deformity Diabetic Charcot

- TSF
- Ilizarov

Foot Ankle Fracture Fixation

- Evos Small Fragment

- Evos Mini Fragment

TTC Fusion

- Trigen Hindfoot Fusion

Bone Graft Filling

- Montage calcium phosphate putty

Ankle Foot Arthroscopy

- Smith & Nephew Ankle Foot Arthroscopy System



<https://trimedortho.com/lower-extremity/>

<https://www.bonalive.com/en-us/>

Trimed

Ankle Fracture / Osteotomy

- Sidewinder Fibular Plate
- Medial Malleolus Sled



<https://www.jnjmedicaldevices.com/en-US/specialty/foot-ankle>

Synthes

Trauma Extremity Fractures

- Synthes Plates Screws IMN Staples

Ex Fix Trauma Deformity Diabetic Charcot

- Uniplanar Ex Fix
- Ring Ex Fix & Maxframe

Orthobiologics

- Vivigen



<https://www.paragon28.com/>

Paragon 28

Hallux Valgus Bunion

- PROMO

Foot Ankle Reconstruction

- Preserve wedges
- Mini monster screws.

Hammer Toes

- Tenotac

Charcot Midfoot Reconstruction

- Joust Charcot beaming system

MIS Lapidus Fusion

- Phantom Lapidus nail

Total Ankle Arthroplasty

- Apex total ankle



A GLOBAL EXTREMITY COMPANY

<https://i2b-usa.com/foot-and-ankle/>

<https://www.extremitymedical.com/lower-extremity/>

In2bones

TTC Fusion

- Triway Arthrodesis Nail - http://lmtsurgical.com/wp-content/uploads/2019/06/ST-DIG-TRIWAY-EN-032019_Email.pdf

Hammer Toe

- Duafit - https://i2b-usa.com/pdf/surgtech-pdf/I2B_DuaFit_st.pdf
- Alloaid PIP Hammertoe - <https://i2b-usa.com/pdf/surgtech-pdf/AlloAid-PIP-st0217.pdf>

Graft Harvester

- CoLink Bone Graft Harvester - <https://i2b-usa.com/colink-bone-graft-harvester/>

Extremity Medical

Ankle Fusion

- AlignX Plates - <https://www.extremitymedical.com/wp-content/uploads/2021/05/alignx-surgical-technique.pdf>

Charcot Reconstruction

- Axis Fixation Plates - <https://www.extremitymedical.com/wp-content/uploads/2020/08/axis-plate-charcot-fixation-system-surgical-technique.pdf>
- 4.5/8.5 MM Beaming System - <https://www.extremitymedical.com/wp-content/uploads/2021/05/4.5-8.5-beaming-system-surgical-technique.pdf>

Foot Ankle Fusion Fixation

- CompressX2 screw - <https://www.extremitymedical.com/wp-content/uploads/2020/04/compressx2-surgical-technique-rev-d.pdf>
- Jones Fracture System - <https://www.extremitymedical.com/wp-content/uploads/2019/10/jones-fx-surgical-technique-lbl-142-99102-en-rev-b.pdf>
- Omini Plating System - <https://www.extremitymedical.com/wp-content/uploads/2018/11/omni-surgical-technique.pdf>
- IO Fix 2.0 - <https://www.extremitymedical.com/wp-content/uploads/2021/05/io-fix-2.0-surgical-technique.pdf>
- IO Fix Trio - <https://www.extremitymedical.com/wp-content/uploads/2021/06/io-fix-trio-surgical-technique.pdf>
- IO Fix Classic - <https://www.extremitymedical.com/wp-content/uploads/2021/05/io-fix-surgical-technique.pdf>
- Express Staple - <https://www.extremitymedical.com/wp-content/uploads/2018/11/5095-express-brochure-single-pgs-rev.pdf>

Hammer Toe

- HammerFix - <https://www.extremitymedical.com/wp-content/uploads/2021/05/hammerfix-surgical-technique.pdf>

In2bones

Extremity Medical

In2bones

TTC Fusion

- **Triway Arthrodesis Nail**

Hammer Toe

- Duafit and Alloaid PIP Hammertoe

Extremity Medical

Ankle Fusion

- AlignX Plates

Charcot Reconstruction

- Axis Fixation
- 4.5/8.5 MM Beaming System

Foot Ankle Fusion Fixation

- CompressX2 screw
- Jones Fracture System
- Omini Plating System
- IO Fix 2.0
- IO Fix Trio
- IO Fix Classic
- Express Staple

Hammer Toe

- HammerFix



<https://misonix.com/products/bone-scalpel/>

<https://misonix.com/products/sequel/>

Misonix

Osteotomy

- ultrasonic Bone Scalpel

Wound Debridement

- Ultrasonic Wound Debridement System



restor3d



<https://www.djoglobal.com/foot-and-ankle>

<https://restor3d.com/>

<https://www.orthofix.com/orthopedics/foot-ankle/>

<https://4webmedical.com/products/#foot-and-ankle>

Medshape

Restor3d

Orthofix

4Web Medical

Medshape

Foot Ankle Fusion

- DynaNail TTC
- Midfoot Nail Beam
- Hindfoot Nail
- Dynaclip Nitinol Staples 8x8 -->30 x 26

Restor3d

Total Talus Replacement

- Custom Total Talus

Foot Ankle Reconstruction

- Custom Ankle Cages
- Midfoot/Forefoot customs
- Evans/Cotton Wedges

Total Ankle Arthroplasty

- Kinos Medical Total Ankle System

Orthofix

TTC Fusion

- Hindfoot Nail

Ex Fix Foot Ankle Trauma Deformity Diabetic Charcot

- Ex Fix System Multiplanar & Ring Fixator

Orthobiologics

- Bio- Bone grafts (Trinity Elite and Fiberfuse)

4web Titanium Truss System

Foot Ankle Reconstruction

- Evans/Cotton/utility wedge



Irrisept

<https://www.youtube.com/watch?v=nXTnTTSLP0s&t=30s>

<https://1h3b4ucn10q31u8zvap66416-wpengine.netdna-ssl.com/wp-content/uploads/IRR121-KTK-Summary-v1.pdf>

<https://www.irrisept.com/>

OsteoRemedies Osteoboost

https://osteoremedies.com/wp-content/uploads/2021/03/OsteoBoost-SS_MKT032_7-20_V1.pdf

OsteoRemedies Spacers

https://osteoremedies.com/wp-content/uploads/2020/06/Osteo_Brochure_MKT000_V19.pdf

<https://osteoremedies.com/>

IlluminOss

<https://www.youtube.com/watch?v=GaKk60r8vrs>

<https://illuminoss.com/us/physician-patient/overview>

<https://illuminoss.com/us>

Silverlon

<https://www.silverlon.com/resources/videos>

Oscar

<https://www.youtube.com/watch?v=ueClrcrQExI>

<https://www.oscar-ultrasonic.com/>

Osteoremedies OsteoBoost

Bone Void Filler

- Resorbable Bone Void Filler, consisting of Calcium Sulfate and Tricalcium Phosphate
- Available in 5cc and 10cc, with silicone mat to create resorbable beads
- Used in infected orthopedic surgeries and wound care

Irrisept

Infection Irrigation

- 0.05% CHG (Chlorhexidine Gluconate), sterile water Irrigation device
- FDA Class-II device, indicated for use anywhere in the body in surgical and wound care (with exception of eyes and ears)
- 450ml bottle with applicator tip delivers up to 15psi
- Tested to eradicate gram negative and gram-positive bacteria, and biofilms, over 99.99%

- Peer reviewed studies in orthopedics, spine, colorectal, and plastic surgeries

IlluminOss

MIS Fracture Fixation

- Patient conforming intramedullary implant for use in pathologic, fragility, and periprosthetic fracture (distal fibula!)
- Dacron balloon enters bone canal via catheter. Balloon is then inflated with acrylic monomer. Blue light then hardens the acrylic monomer into solid polymer (similar strength as titanium)
- Minimally invasive procedure fills entire bone canal, reducing need of screws and also provides rotational stability vs traditional IM nail
- Can be used in adjunct to plate, allowing for greater purchase for screws in osteoporotic bone

OsteoRemedies Antibiotic Spacers

Antibiotic Cement Bone Spacer

- Pre-Molded antibiotic spacers for the hip, knee, and shoulder
- Consists of PMMA Cement and 4.8% Gentamicin
- Tested to consistently elute antibiotics for over 180+ days

Silverlon

Wound Dressing

- Only FDA cleared silver-plated dressing on market
- 546mg/100cm² pure antimicrobial silver in direct contact with wound
- Tested to eradicate MRSA, pseudomonas, a C. acnes in less than four hours
- Available in surgical island dressings, wound pads and wraps, and burn wraps
- Peer reviewed studies in Orthopedics, Cardiac, Spine, and Colorectal surgeries; wound care and burn care

OSCAR

Bone Cement Removal

- Ultrasonic bone cement removal system
- Uses ultrasonic energy to generate heat, melting hardened bone cement for quick and consistent removal

BIOLOGICALLY ORIENTED PROSTHESES



<https://bioproimplants.com/wp-content/uploads/2019/05/22485-01-Shotel-Ankle-Arthrodesis-Nail-System-IFU.pdf>

Ankle Fusion

- Shotel Nail