Foot and Ankle Pain? Get Solutions!!

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Overview

- My Background
- Podiatry: What it was, What it is today...
- Common Ailments of the Foot and Ankle
- Conservative and Surgical Solutions
- Medical Conditions that Affect the Feet
- Q & A Session





Current Positions

- Orthopedic Department at Boulder Medical Center
- Attending Physician Highlands/Presbyterian-St. Luke's Surgical Residency Program
- Advisory Board for Physician's Practice
- Content Reviewer for American College of Foot & Ankle Surgeons This Week @ACFAS



Podiatry...Past and Present

- Pre-1980's: Graduates completed <u>at most</u> 1 year of residency training. Majority did not have residency training. Training focused on the foot only.
- Pre-1990's: Residency program of 2 years.
- Today: 3 years with focus on surgical training.
 - Includes the lower leg and ankle.



Corns and Calluses

- A small, thickened, circular area on the skin
- Caused by repeated pressure on the skin







Corns and Calluses

- Padding
- · Debridement or "Shaving"
- Surgical Correction of the Underlying Problem
 - Hammertoe correction
 - Bone spur removal









Ingrown Toenails

• Toenail edge grows into the skin, causing pain, redness, swelling, and sometimes infection.

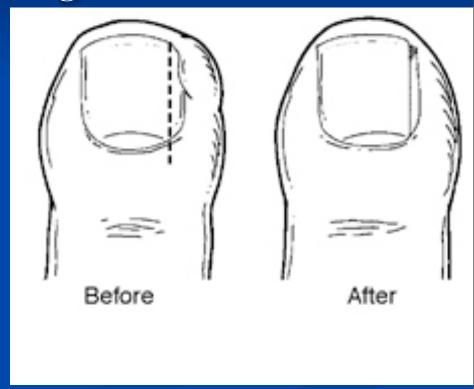






Ingrown Toenails

- · Removal of the ingrown edge
- "Kill the nail root"
- Done in the office
- No down time





Toenail Fungus

- Thick, discolored
 - Unsightly!

- Medications
 - Topical
 - Pills
- Nail Removal
- LASER





Gout

- A build up of uric acid in the joints
 - · Intense pain, redness, and swelling
 - Often at night, or first arising
- Medication, injections
- Diet restrictions
- Fluids
- Immobilization



Gout







Heel Pain

Plantar Fasciitis

• Inflammation of the largest ligament on the bottom of your foot.

- Pain when first arising
- Gets worse with time
- 90% cured conservatively
 - Stretching
 - Anti-inflammatory medication
 - Arch Support





Achilles Tendonitis



- Immobilization
- Bracing
- Oral anti-inflammatory meds
- Physical Therapy
- Non-invasive repair
- Surgery to repair the tendon and/or remove the heel spur



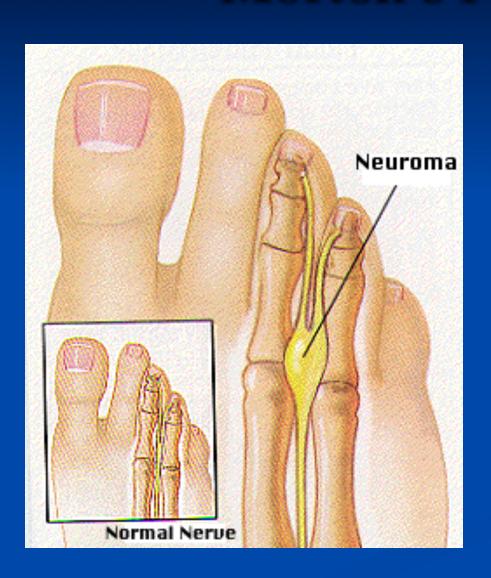
Morton's Neuroma

- Pain near the ball of the foot, between the 3rd and 4th toes, caused by thickened nerve tissue
 - "Pebble in my shoe"
 - Tingling, burning, numbness
- Injections
 - Cortisone or Alcohol
- Metatarsal pads
- Rarely needs surgical excision





Morton's Neuroma





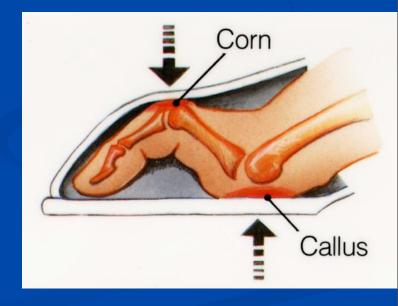


Hammertoes

- Clawing or buckling of the toes
 - Can cause painful corns/calluses near the "knuckles"
 - Can lead to pain in the ball of the foot:

"Metatarsalgia"

- Shoes with a deeper toe box
- Accommodative padding
- Surgical correction
 - Tendon lengthening
 - Toe alignment





Extra Depth Shoes







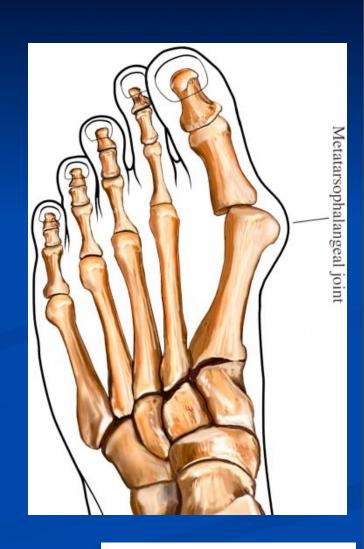


Hammertoe Repair



Bunions

- Bump on the side of the big toe
- Changes in the bony framework
- A progressive disorder
 - · Pain often begins in the late stage
- Caused by faulty biomechanics
 - But there is a genetic component
 - Certain foot types are prone





Bunions

- Activity modification
- Change shoegear
- Padding
- Medications
- Ice
- Injections
- Orthotics
- Surgical Correction





Bunions



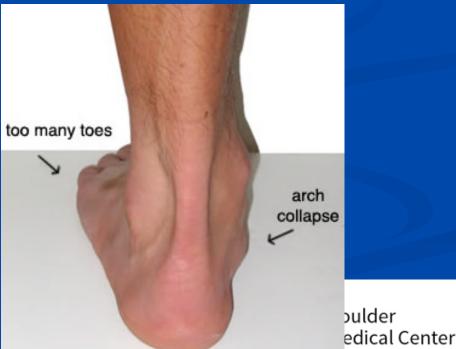




Flatfoot or "Fallen Arches"

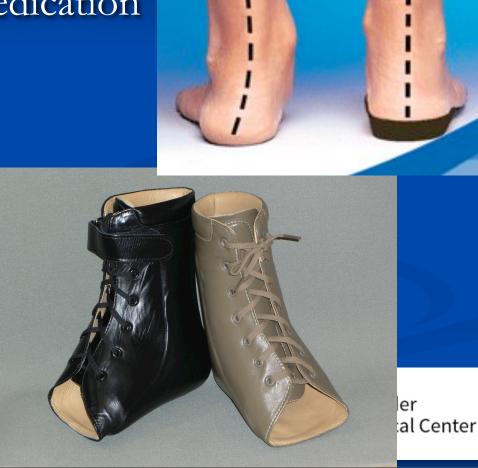
- Collapse of the arch of the foot
 - Caused by inflammation or over-stretching of the tendon that supports the arch





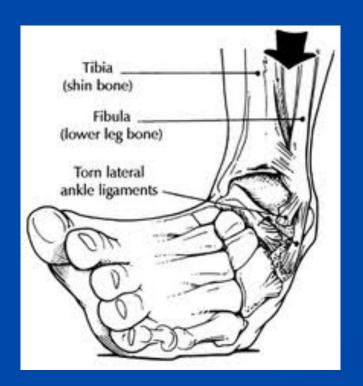
Flatfoot or "Fallen Arches"

- Ice
- Anti-inflammatory medication
- Shoe Modification
- Immobilization
- Orthotics or Braces
- Physical Therapy
- Surgical Correction



Ankle Sprain

- Most common ankle injury that we treat.
- Stretching or tearing of the ankle ligaments
- Associated with many other injuries in the foot

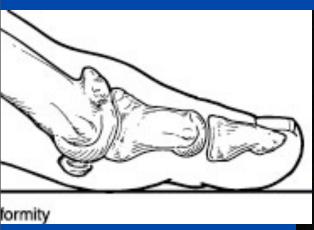






Arthritis

- Wearing down of the cartilage in the joint
 - Causes pain and stiffness
 - Gradually becomes worse with time









Arthritis





Arthritis

- Activity & shoe modifications
- Orthotics or Bracing
- Anti-inflammatory medications
- Injections
- Surgical Correction
 - Joint "Clean-up"
 - Joint Fusion
 - Joint Replacement

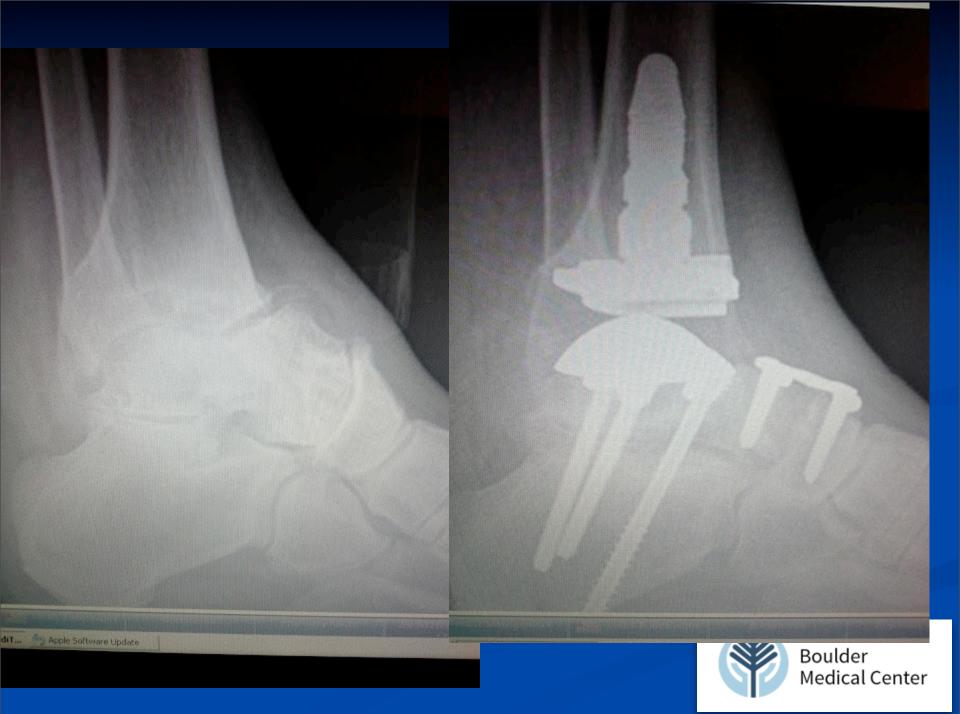




Prophecy Ankle Implant

- Pre-operative navigation provides custom, patient specific cutting guides
- Allows very precise placement of the implant
- Precision placement = implant longevity









Can shoes cause these problems?

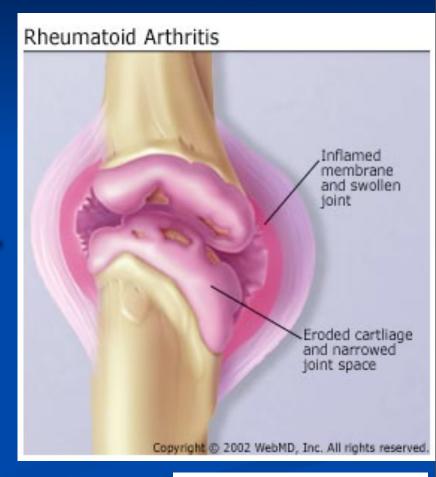






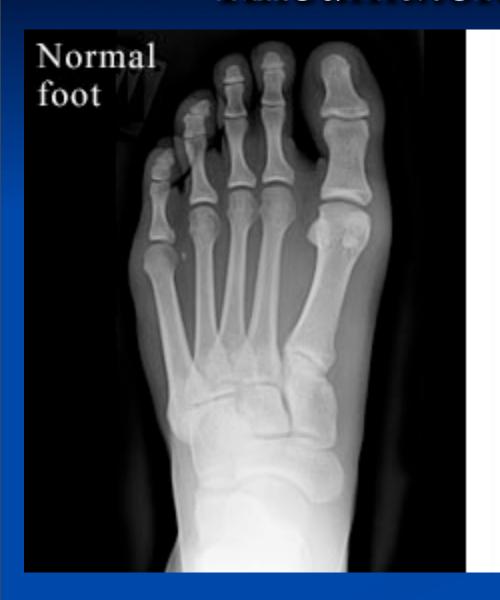
Rheumatoid Arthritis

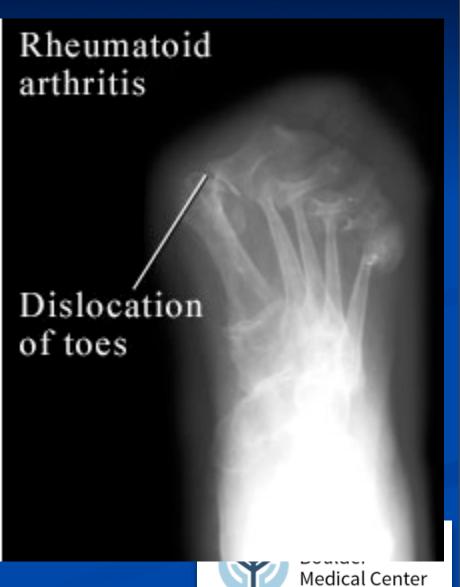
- Certain cells in the immune
- system malfunction and attack
- •healthy joints
- Causes pain, swelling, redness,
- and warmth around joints
- Shoes, Orthotics, Injections,
- and Surgery





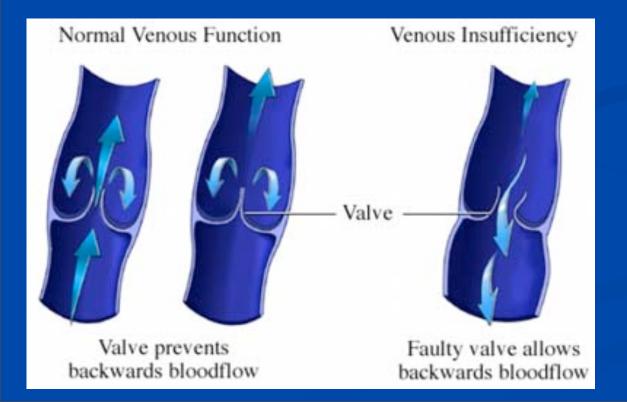
Rheumatoid Arthritis





Leg Swelling

- Venous Insufficiency/DVT
 - Non-invasive vascular tests
 - Compression stockings







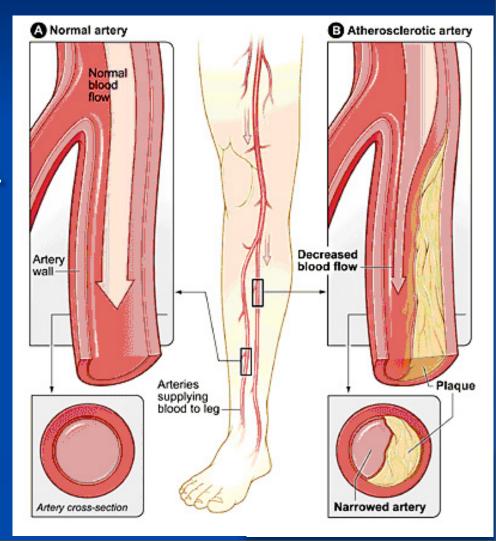
Lymphedema





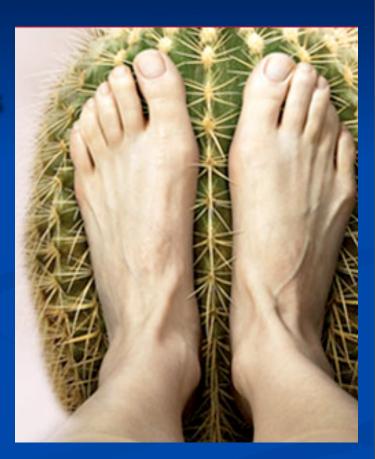
Peripheral Arterial Disease

- Poor circulation from narrowing of the arteries
 - Can lead to color changes, pain with walking, and delayed healing of wounds.
 - Can be a predictor for heart disease
- Non-invasive tests
 - Vascular specialist referral



Neuropathy

- Disease of the nerves
- Burning, tingling, or numbness in the feet and/or legs
- Can become painful with time
- Many causes of neuropathy
- Medications, Supervitamins, Topical treatments
- Physical Therapy, Surgery





Diabetes

- Affects the nerves, arteries, and immune system
 - Can't feel minor injuries to the skin
 - Poor blood flow delays wound healing
 - Poor immune system can't fight infection
- Can develop ulcers (wounds) in the skin that can easily become infected
- Diabetes is the leading cause of amputation in the lower limbs



Diabetic Foot Care

- Check your feet daily
- Wash feet in warm (not hot) water
- Dry between the toes
- Moisturize your feet, but not between the toes
- Don't trim calluses (NO bathroom surgery!!!)

- Wear clean, dry socks
- Inspect shoes before wearing
- Keep your feet warm, dry
- Don't walk barefoot
- Manage your glucose
- Don't smoke
- Get periodic foot checks



Thank You

