protective and healing shoes

RHEUMATIC
DIABETIC
REHABILITATION
SENIORS

technical partner
<table>
<thead>
<tr>
<th>KEYS</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>HALLUX VALGUS</td>
<td><img src="image1" alt="Foot" /></td>
</tr>
<tr>
<td>FRONTFOOT / MIDFOOT ULCERS</td>
<td><img src="image2" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>REARFOOT ULCERS</td>
<td><img src="image3" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>DORSAL ULCERS BETWEEN TOES</td>
<td><img src="image4" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>METATARSALGIES</td>
<td><img src="image5" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>MALLET FINGER</td>
<td><img src="image6" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>ARTHRITIS, RHEUMATOID ARTHRITIS</td>
<td><img src="image7" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>FOOT WITH BANDAGES</td>
<td><img src="image8" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>FRONT OPENING IN VELCRO® FOR AN EASIER FIT AND MORE STABILITY</td>
<td><img src="image9" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>STABILIZING COUNTER</td>
<td><img src="image10" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>DESIGNED TO INSERT AN INSOLE</td>
<td><img src="image11" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>RIGID OUTSOLE</td>
<td><img src="image12" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>TIP THAT LEAVES THE TOE FREE</td>
<td><img src="image13" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>NO INSIDE STITCHING TO AVOID RUBBING</td>
<td><img src="image14" alt="Ultraviolet" /></td>
</tr>
<tr>
<td>HEAT-MOLDABLE, STRETCHABLE</td>
<td><img src="image15" alt="Ultraviolet" /></td>
</tr>
</tbody>
</table>
SYSTEM DIABETES RISK CLASSIFICATION

MEDIUM RISK

Degree 1
no neuropathy

Degree 2
neuropathy

HIGH RISK

Degree 3
neuropathy, deformity arthritis

Degree 4
former lesions or ulcers

ACUTE PHASE

minor or severe ulcers
SINCE 1989 WE INVEST IN RESEARCH AND DEVELOPMENT TO CREATE ORTHOTIC SOLUTIONS CLINICALLY TESTED.

A continuous commitment, dedicated to everyone who find difficulties in moving: “a better walking for a better life”

Dr. Camillo Buratto

1992
the first offloading shoe with extensible outsole in talism
(Prof. Volpe - Dr. Buratto - ISPO Lisbona)

1995
the first world study on diabetic shoes
(Dr. Faglia - Dr. Uccioli - Kobe, Japan)

1997
study on the role of biomechanical outsoles
(Dr. Toffolo - Dr. Uccioli - Helsinki I.D.F.)

2003
stretchable shoes in Flexpell® that shape themselves after the foot deformities (R&D Podartis)

2006
study on biomechanical outsoles: new concept of “smooth transition” that reduces the pressure peaks (R&D Podartis)

2010
randomized study on diabetic foot in acute phase: Stabil-D vs TCC
(Prof. Faglia e Caravaggi - Diabetes Care - USA)

2011
clinical test “Biomechanics of Diabetic Foot”
(IOR, Laboratory of Movement Analysis, Dr. Berti. Dr. Luciani – Bologna)

2007-2011
follow-up on diabetic foot – primary and secondary prevention shoes (Prof. Caravaggi et al.)

2011-2012
clinical tests on offloading shoes during the post-surgery treatment, (IOR, Laboratory of Movement Analysis, Dr. Prof. Giannini, Bologna)

2012
insoles: test with Italian Special Forces
(Livorno / IOR, Laboratory of Movement Analysis, Prof. Giannini, Bologna)

2012-2014
clinical test on shoes with WellWalk® outsole
(IOR, Laboratory of Movement Analysis, Ing. Leardini, Dott.ssa Berti, Dott.ssa Lullini - Bologna)
Studied and designed in Italy
Each Podartis shoe is **styled and designed in Italy**, starting from the choice of the best materials and ending in strict biomechanical tests, in order to assure comfort and optimal protection during every stage of the walk.

Cutting-edge materials
Podartis uses the **innovative and skin-friendly Italian materials**, designed to assure the highest functionality, protection and comfort.

Tested with the best European Laboratories
Specific tests carried on with the best European University Laboratories guarantee and certificate the quality, duration and effectiveness of Podartis shoes.

Podartis shoes mold around your feet
More than 20 years of Podartis research improved the self molding shoes that allow to erase the pain in **rheumatic foot**, while they welcome deformities in **diabetic foot**.
Podartis shoes are **studied and designed to prevent, soothe and heal the pain** due to foot pathologies. Diabetic shoes are designed **according to the International Guide Lines**. Protective shoes, for the primary prevention, temporary offloading shoes for the acute phase, therapeutic shoes (rigid outsole) for the secondary prevention.

<table>
<thead>
<tr>
<th>ILLNESS - PATHOLOGY</th>
<th>ORTHOTIC SOLUTION</th>
</tr>
</thead>
</table>
| RHEUMATIC FOOT elderly people’s foot | • Stretchable or heat-moldable upper made of Flexpell® or Setaflex to welcome deformities  
• Biomechanical outsole to ensure the smooth transition |
| DIABETIC FOOT primary prevention | • Stretchable or heat-moldable to welcome deformities and prevent dangerous frictions  
• Extra-deep therapeutic shoes with calibrated fit 13/16 to allow the insertion of custom made insoles and biomechanical rigid outsole  
• Custom made footwear in case of peculiar deformities |
| Degree 1  
Degree 2 | |
| Degree 3  
Degree 4 | |
| DIABETIC FOOT secondary prevention | |
| Degree 1  
Degree 2 | |
| DIABETIC FOOT acute phase | • Purpose: total offload of ulcerated area  
- TCC (Total Contact Cast)  
- walker  
- foot-ankle walker  
- temporary footwear |
| | • Protective and/or customized insole, to balance the pressure peaks |
| | • Neuropathies and vasculopathies  
• Metatarsalgia  
• Deformities  
• Hyper-keratosis  
• Fragile skin |
| | • Neuropathies and vasculopathies with former ulcers  
• Deformities, amputations, Charcot foot |
| | • Neuropathic and/or ischemic ulcers  
• Bandaged foot |
The ideal shoe is the one that, thanks to the perfect fitting, accommodates the foot volume and deformities, avoiding any painful and dangerous friction.

1. THE FITTING

PERFECT FITTING®

The goal of the perfect fitting is to achieve, with a standard shoe, the same degree of protection and adjustment to the foot that we reach with a custom made shoe. To obtain this result, Podartis can give to its patient the same model in different fittings. This means: different last (wider o more narrow) and internal volume, different toe box and length.
2. THE UPPER

The stretchable or heat-moldable upper creates permanent space for foot deformities to avoid painful rubbing.

**The stretchable upper**

Is in Flexpell® a material with extraordinary features of elasticity that adjust itself to the foot, protecting it.

**Flexpell® is self-molding**, thus it adjusts itself to the foot shape, accommodating severe deformities or calluses.

**Flexpell® has an internal layer micro-transpirant** that, thanks to the special structure with open cells, creates a micro circulation of air inside and in communication with the outer through the shoe stitching. This ensures the air circulation and the ideal comfort for the foot, keeping the shoe waterproof.

**The heat-moldable upper**

**How do you heat-mold the upper?**

- **If you don’t have a oven**, heat the upper with a hair dryer (hot gun), till the counter becomes softer and workable. Heat the pincers for a few seconds and mold the shoe with them, according to the deformity.
3. THE OUTSOLE

Clinical tests proved that the Podartis biomechanical outsole, compared to a standard outsole, reduces the pressure peaks, ensuring a “smooth transition” and protecting the risk foot.

The evolution of the biomechanical outsole

The biomechanical WellWalk® outsole (Test IOR 2012)

The biomechanical WellWalk® outsole represents the semirigid evolution of the biomechanical outsole and it is recommended for the people with limited joint mobility.

Clinical tests [clinical test on shoes with WellWalk® outsole, IOR, Lab. of Movement Analysis, Ing. Leardini, Dott.ssa Berti, Dott.ssa Lullini] proved that the semirigid WellWalk® outsole, thanks to its particular shape, creates a smooth transition between the phases of the step.

The plus of WellWalk® outsole:

- **Favors** the natural roll of the step and the harmonic movement of the whole body
- **Reduces** the stresses and the pressure peaks on heels and metatarsal heads
- **Minimizes** the energy needed for the step
- **Immobilizes** partially the metatarsal-phalangeas joints [energy saving technology]
RHEUMATIC AND DIABETIC SHOES IN PRIMARY PREVENTION
RHEUMATIC AND DIABETIC SHOES IN PRIMARY PREVENTION

**CHARACTERISTICS**

- Upper in black leather + stretchable Flexpell®
- Biomechanical outsole

**SPECIFIC FOR**

- Primary prevention
- Diabetic foot

**SPORTING**

<table>
<thead>
<tr>
<th>CODE</th>
<th>COLOUR</th>
<th>SIZES</th>
<th>FITTING</th>
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<tr>
<td>SR21971</td>
<td>black</td>
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**ALBA**

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**OLIMPIA**

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<tr>
<td>SR204571</td>
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**VELCRONE NERO**

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<tbody>
<tr>
<td>SR21591</td>
<td>35-41</td>
<td>11</td>
</tr>
</tbody>
</table>

**INDICATIONS**

- Upper in beige/black leather + Nylon supersoft
- Biomechanical outsole
- Beige model available in Spring-Summer

*while stocks last*

- Upper in black stretchable Flexpell®
- Biomechanical outsole

- Upper in black leather and stretchable Setaflex
- Biomechanical outsole in workable micro with tread powered by Vibram
- New model 2013
RHEUMATIC AND DIABETIC SHOES IN PRIMARY PREVENTION

CHARACTERISTICS

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<thead>
<tr>
<th>CODE</th>
<th>SIZES</th>
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<tr>
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<tr>
<td>SR601091</td>
<td>35-41</td>
<td>11</td>
</tr>
</tbody>
</table>

**CORONA BEIGE**
- Upper in beige Nabuk + Nylon Supersoft
- Biomechanical semirigid outsole with WellWalk® Technology
- Model available in Spring-Summer

**CORONA GREY**
- Upper in grey Nabuk + stretchable Flexpell®
- Biomechanical semirigid outsole with WellWalk® Technology
- Model available in Fall-Winter

**CORTINA**
- Upper in heat-moldable black leather
- Biomechanical outsole

**VENEZIA**
- Upper in black stretchable Flexpell®
- Biomechanical outsole, heel 20, extra large last
- In Spring-Summer it is available the model Venezia forato SR21991
## RHEUMATIC AND DIABETIC SHOES IN PRIMARY PREVENTION

### CHARACTERISTICS

<table>
<thead>
<tr>
<th>ZANTE FORATO</th>
<th>CODE</th>
<th>SIZES</th>
<th>FITTING</th>
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</thead>
<tbody>
<tr>
<td>SR370305</td>
<td>39-46</td>
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<td></td>
</tr>
</tbody>
</table>

- Upper in Nabuk with holes
- Biomechanical semirigid outsole with WellWalk® energy saver technology in workable micro with tread powered by Vibram
- New model 2013
- Model available in Spring-Summer

<table>
<thead>
<tr>
<th>GREEN</th>
<th>CODE</th>
<th>SIZES</th>
<th>FITTING</th>
</tr>
</thead>
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<tr>
<td>SD300623</td>
<td>40-46</td>
<td>11.5</td>
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</tbody>
</table>

- Upper in brown Nabuk heat-moldable
- Biomechanical tridensity outsole

### INDICATIONS

<table>
<thead>
<tr>
<th>Giotto</th>
<th>CODE</th>
<th>SIZES</th>
<th>FITTING</th>
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<tbody>
<tr>
<td>SD3001</td>
<td>39-47</td>
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<td></td>
</tr>
</tbody>
</table>

- Upper in black calf heat-moldable
- Biomechanical outsole in workable micro with tread powered by Vibram

<table>
<thead>
<tr>
<th>Botero 11 (Raffaello)</th>
<th>CODE</th>
<th>SIZES</th>
<th>FITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD370291</td>
<td>39-46</td>
<td>11.5</td>
<td></td>
</tr>
</tbody>
</table>

- Upper in black calf + black stretchable Flexpell®
- Biomechanical semirigid outsole with WellWalk® energy saver technology in workable micro with tread powered by Vibram
# RHEUMATIC AND DIABETIC SHOES IN PRIMARY PREVENTION

## CHARACTERISTICS

<table>
<thead>
<tr>
<th>PICASSO</th>
<th>BOTERO 12</th>
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<tbody>
<tr>
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<td>SIZES</td>
<td>SIZES</td>
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<td>39-46</td>
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</tr>
<tr>
<td>FITTING</td>
<td>FITTING</td>
</tr>
<tr>
<td>12</td>
<td>12.5</td>
</tr>
</tbody>
</table>

- Upper in brown calf heat-moldable
- Biomechanical outsole

- Upper in black stretchable Flexpell®
- Biomechanical outsole
- In Spring-Summer it is available the mode Botero forato SR30891

## INDICATIONS

- TO ACHIEVE MORE PROTECTION:

  - Finished protective insoles
  - Custom made insole
    - Dermocompatible, bactericide and antifungal
    - From the Podartis research with Vibram

## SPECIFIC FOR

- DIABETIC
- FOOT
- PRIMARY PREVENTION
- RHEUMATIC

## MATERIAL

- Upper in black calf heat-moldable
- Biomechanical semirigid outsole with WellWalk® Energy saver technology in workable micro with tread powered by Vibram
- Model available in Fall-Winter
The Activity shoe is recommended together with the Wellness Performance Insole, in order to achieve more protection (optional not included in the box).

**WELLNESS PERFORMANCE MALE / FEMALE**

The Activity shoe is recommended together with the Wellness Performance Insole, in order to achieve more protection (optional not included in the box).

<table>
<thead>
<tr>
<th>CODE</th>
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<th>FITTING</th>
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<tbody>
<tr>
<td>PA3071</td>
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<td>12</td>
</tr>
<tr>
<td>PA2077</td>
<td>35-41</td>
<td>12</td>
</tr>
</tbody>
</table>

**CHARACTERISTICS**

- Upper with lining without stitching (to avoid dangerous rubbing)
- Extra-volume inside to accommodate deformities and possibility of adjust the fit thanks to the Multi-fit insole
- Patented biomechanical semirigid outsole with WellWalk® energy saver technology in workable micro with tread powered by Vibram
- Cushioning anti-shock inserts

**INDICATIONS**

- People with limited joint mobility
- Rheumatic and diabetic people in primary prevention
- People in post-surgery rehabilitation who need to accommodate the swollen and aching feet

The Activity shoe can accommodate also swollen feet and is designed to insert a finished or custom made orthotic.

**MultiFit insole**

The modular insole is a main part of the Activity shoe.

It has been studied for two purposes:
- Obtain the **perfect fitting**
- Offload locally **minor deformities and calluses**
ACUTE PHASE AND POST-SURGERY
**Clinical test on forefoot offloading shoes**

IOR, Lab. Analisi del Movimento, Dir. Prof. Giannini (Bologna) Italy - Test 2012; upgrade 2014

**AIM OF THE STUDY**

Compare two types of post-surgery shoes. The **WPS talus** and the **TD with biomechanical rigid outsole** with the **“ZERO” 8° talism insole**.

**RESULTS**

- The shoes **WPS** and **TD** proved to have an efficacy in reducing the average values and the force peaks on the forefoot.
- In kinematics, the **TD shoe is similar to the natural gait** thus reducing the risk of problems due to alterations in the step pattern.

**CONCLUSIONS**

The **TD shoe** with biomechanical rigid outsole, together with the **“ZERO” 8° degree talism insole**, is the ideal solution for diabetic people, seniors, people with movement deficit and active people.
### CHARACTERISTICS

1. **8° degrees talism outsole** to transfer the load to the rear foot
2. Internal removable insole in EVA
3. **Triple Velcro closure**
4. **Rigid counters and rear stabilizers** to ensure the maximum stability

### PLUS

- **Ideal angle of talism** to stabilize the walk and reduce the “step effect” (test IOR 2011-2012)
- **Outsole height only 34 mm**
- Efficacy tested clinically and biomechanically
- **Stability**

### INDICATIONS

**Treatment of diabetic foot in acute phase**
- Ulcers between toes

**Treatment of post-surgery foot**
- Inflammation or pain in the forefoot
- First post-surgery treatment of the forefoot
- Forefoot fractures

---

**Recommended for:**

- Diabetic
- Acute phase of foot
- Post-surgery
- Bandaged foot

---

**CODE SIZES CHARACTERISTICS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>SIZES</th>
<th>CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO100</td>
<td>35-48 every 2 sizes</td>
<td>black Nylon</td>
</tr>
<tr>
<td>PO150</td>
<td>35-44 every 2 sizes</td>
<td>silver Nylon</td>
</tr>
</tbody>
</table>

---

**Off-load of ulcers and pressures on the forefoot**

---

**WPS Lab Novel, 2007**

---

**Scarpa in talisole standard**
Offloading of toe ulcers and of pressures of forefoot and mid foot

INDICATIONS

Treatment of diabetic foot in acute phase
• Lesions and ulcers on the forefoot

Treatment of post-surgery foot
• Inflammation or pain in the forefoot
• Necessity to immobilize the metatarsal-phalanx area and to partially load the area that had surgery
• Forefoot fractures
• The ideal solution for the rehabilitation of seniors, people with deficit and active people

CHARACTERISTICS

1. Biomechanical rigid outsole
2. Outsole height 22mm
3. Stabilizing back counter
4. Multi Velcro system to adjust the fit

PLUS

Stability:
• The biomechanical outsole immobilizes the metatarsal-phalanx area, reducing the stresses on the joints and allowing a physiological and safe walk
• The outsole is only 22mm high to minimize the legs length discrepancy
• Efficacy tested clinically and biomechanically

Recommended for:
- Diabetic
- Acute Phase
- Post Surgery
- Bandaged Foot

Insole Zero 8° degree talus
code PO060
(optional included in the box)

Recommended for:
- Diabetic
- Acute Phase
- Post Surgery
- Bandaged Foot

Insole Zero 8° degree talus
code PL345
(optional NOT included in the box)
ACUTE PHASE AND POST-SURGERY

**Zero**

**Forefoot Off-loading insole**

<table>
<thead>
<tr>
<th>CODE</th>
<th>SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO060</td>
<td>35-48 every 2 sizes</td>
</tr>
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</table>

- The **8° degree talism** angle transfers the pressure from forefoot to rear foot
- DOUBLE DENSITY: more stable on the mid/rear foot, softer under the metatarsal heads
- Customizable

---

**Modular Off-loading insole**

<table>
<thead>
<tr>
<th>CODE</th>
<th>SIZES</th>
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<tbody>
<tr>
<td>PL345</td>
<td>35-48 every 2 sizes</td>
</tr>
</tbody>
</table>

Optional for TD and STABIL D

Product sold separately

Allows to offload the ulcerated area by removing the cells without using other removal techniques.

- Removable modular cells
- Cover in DIAPod® dermocompatible, with tested bactericide and antifungal properties

---

**PRI**

**Postural Rebalance Insole**

<table>
<thead>
<tr>
<th>CODE</th>
<th>SIZES</th>
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<tbody>
<tr>
<td>PO050</td>
<td>35-41 every 2 sizes</td>
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</tbody>
</table>

**POSTURAL REBALANCE KIT:**

- Spost surgery shoe WPS/TD with Deambulo Sport, Deambulo Open + PRI® insole
**AIM OF THE STUDY**

Evaluate the efficacy of **removable cast walker** compared with the Gold Standard non-removable fiberglass offloading cast in the treatment of diabetic plantar foot ulcer.

Efficacy of a **removable walker cast STABIL D** compared with a **non-removable offloading TCC cast** in the healing of diabetic plantar foot ulcers.

**STUDY**

45 adult diabetic patients with non-ischemic, non-infected neuropathic plantar ulcer were randomized to treatment with a non-removable fiberglass off-bearing cast (TCC group) or walker cast (Stabil-D group). Treatment duration was 90 days. Percent reduction in ulcer surface area and total healing rates were evaluated after treatment.

**RESULTS**

A total of 48 patients were screened; however, two patients in the TCC group and one in the Stabil-D group did not complete the study and were considered dropouts.

There were no significant differences in demographic and clinic characteristics of the 45 patients completing the study.

17 patients (73.9%) in the TCC group and 16 patients (72.7%) in the Stabil-D group achieved healing.

**CONCLUSIONS**

The **STABIL D** as removable walker cast, can be used:

- With **neuropathic ulcers**
- With **ischemic ulcers**
Ankle-foot walker

**CODE** SIZE CHARACTERISTICS

<table>
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<tr>
<th>CODE</th>
<th>SIZE</th>
<th>CHARACTERISTICS</th>
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<tr>
<td>P0700</td>
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<td></td>
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**INDICATIONS**

Treatment of diabetic foot in acute phase

- Treatment of neuropathic and ischemic ulcers in the mid/forefoot
- Particularly recommended in the treatment of diabetic vascular foot
- Charcot foot

Treatment of post-surgery foot

- Arthrodesis of tibiotarsical, subtalar joint
- Tibial Distal Osteotomy
- Talar and heel fractures (when is needed a total off-loading)
- Ankle instability (when is needed a partial immobilization of the tibiotarsic joint)

**CHARACTERISTICS**

1. Upper to avoid frictions
2. Lateral stabilizing removable whales
3. **Rigid outsole**, fully rocker to obtain more stability on the mid-stance phase
4. Tongue to protect the tibia and the foot neck from dangerous frictions
5. Rigid insole in carbon fiber
6. Internal EVA insole to offload locally

**PLUS**

**Stability:** the more stable in the market

**Off-loading and customization:**

- Heat-moldable stabilizing counter for the rearfoot
- Extra space to insert a modular offloading insole (MODUS) or custom made insole
- The only one clinically tested for the vascular foot

**OPTIONALS**

**EVA insole to offload locally:**

- Heat-moldable and customizable
  - Included in the box

**Off-loading MODUS insole:**

- With removable modular cells
  - NOT included in the box (see page 19)
### INDICATIONS

**Treatment of post-surgery foot**
- Mini invasive surgery to the forefoot
- Allows a partial load and mobilization of the forefoot to speed up the healing of the area that had surgery

**Treatment of diabetic foot in acute phase**
- Treatment of dorsal ulcers, between the toes and under the nails
- Senior patients with fragile skin

### CHARACTERISTICS AND PLUS

1. **Semirigid outsole.** By increasing the mid-stance phase, it protects the metatarsus reducing the joint mobility and speeding up the functional recovery

2. **Upper in Nylon with lining and no stitching.** Closure with Velcro against frictions

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**TERAPES**

**Post Surgery Shoes**

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Partial mobilization of the forefoot

Recommended for:
- **DIABETIC**
- **ACUTE PHASE**
- **REHABILITATION**
- **POST SURGERY**
- **BANDAGED FOOT**

Podartis Terapes shoe
INDICATIONS

Treatment of diabetic foot in acute phase

- Heel lesions or ulcers
- Bursitis

Treatment of post-surgery foot

- Off-loading of heel pressures
- Ideal for the treatment of heel fractures

CHARACTERISTICS

1. Biomechanically tested outsole to offload completely the heel
2. Lateral counters to stabilize the foot
3. Rear removable protection
4. Customizable off-loading insole in soft PU
5. Total opening with Velcro straps
DIABETIC FOOT SECONDARY PREVENTION
Clinical tests* proved that pressure peaks are reduced by more than 20% when using the Podartis biomechanical outsole.

1. **Biomechanical rigid outsole**: it cushions the step (smooth transition) and immobilizes the metatarsal-phalanx joints, thus reducing the pressure peaks.

2. **Self-molding or heat-moldable upper** to accommodate deformities.

3. **XL-XXL volume**: it allows the perfect fit and the insertion of a customized insole.

The use of protective footwear reduces significantly the possibility of ulcers re-appearance.

**ULCERS RE-APPEARANCE** (Dr. M. Faglia, Dr. L. Uccioli - Diabetes Care, giugno 1995)

**Foot pressure peaks: biomechanical tests**

Clinical tests* proved that pressure peaks are reduced by more than 20% when using the Podartis biomechanical outsole.

* Laboratory of Movement Analysis – IOR University Rizzoli – Chairman Prof. Giannini – March 2011
## Diabetic Foot - Secondary Prevention

### Characteristics

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<tr>
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- Upper in black leather + black **stretchable** Flexpell®
- Biomechanical tridensity rigid outsole

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<thead>
<tr>
<th>CORTINA GRAN VOLUME</th>
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- Upper in black heat-moldable leather
- Biomechanical rigid outsole

### Specific for Diabetic Secondary Prevention

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- Upper in black heat-moldable leather
- Biomechanical rigid outsole in workable micro with tread powered by Vibram
- Stabilizing back-counter

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- Upper in black heat-moldable leather
- Biomechanical rigid outsole
- Stabilizing back-counter
### X-DIAB 14 (Goodsport)

**Code**: SD30091  
**Sizes**: 39-46  
**Fitting**: 14.5

- Upper in black Nabuk + black stretchable Flexpell®
- Biomechanical rigid outsole
- Stabilizing back-counter

### X-DIAB 16

**Code**: SD3471  
**Sizes**: 36-46  
**Fitting**: 16

- Upper in black stretchable Flexpell®
- Biomechanical rigid outsole
- Stabilizing back-counter

### DERBY

**Code**: SD430501  
**Sizes**: 42-48  
**Fitting**: 17

**Code**: SD420401  
**Sizes**: 35-41  
**Fitting**: 17

- Upper in black heat-moldable leather
- Biomechanical rigid outsole in workable micro with tread powered by Vibram
- Stabilizing back-counter

### MASACCIO

**Code**: SD32111  
**Sizes**: 36-46  
**Fitting**: 14.5

while stocks last

- Upper in black stretchable Flexpell®
- Stabilizing counters with possibility to adjust the lateral whales to stabilize the ankle
- Biomechanical rigid outsole in workable micro with tread powered by Vibram
MANET

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- Upper in blue Nabuk + stretchable Flexpell®
- Biomechanical rigid outsole
- Stabilizing back-counter

CARAVAGGIO

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- Upper in black stretchable Flexpell®
- Biomechanical rigid outsole
- Stabilizing back-counter

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- Upper in black heat-moldable leather + grey Nabuk
- Biomechanical rigid outsole in workable micro with tread powered by Vibram
- Stabilizing Back-counter

Modular Off-loading insole

- Removable modular cells
- Cover in dermo-compatible, with tested bactericide and antifungal properties
SENIORS AND
REHABILITATION
Podartis creates shoes clinically tested for the second post-surgery treatment and to improve the walk of seniors.

**CLINICAL problem**
- Sprains, instability, painful walking, rehabilitation, fragile skin, vascular diseases
- Rheumatoid Arthritis, deformities, joint pain, gout, bursitis, calluses, claw toes
- Difficulty to wear and close shoes

**ORTHOTIC solutions**
- **Walking stability:** stabilizing counter, anti-stumbling outsole with non-skid rubber. Rear “spoiler” to protect the heel against wheelchair injuries
- **Stretchable upper to accommodate deformities** and prevent harmful frictions
- **Extra large fit:** with double cushioning removable insole and designed insert customized insoles and orthotics
- **Multi-velcro closure** and forward opening to wear the shoe with only one hand
- **Biomechanical outsole** to ensure maximum stability, reduce the stress on joints and avoid falls

Tests proved that the **biomechanical outsole** reduces significantly the pressure peaks, if compared to a traditional outsole.

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Dr. M. Toffolo, Dr. L. Uccioli  IDF, Helsinki, 07/2002
SENIORS AND REHABILITATION

CHARACTERISTICS

SPECIFIC FOR

DIABETIC
POST SURGERY
REHABILITATION
SENIOR FOOT

DEAMBULO L

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- Upper in black stretchable Setaflex
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole

- Upper in black stretchable Setaflex
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole

DESIGNED TO INSERT WALKERS

- Upper in black stretchable Setaflex
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole

- Upper in black supersoft Nylon
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole
- PRI insole: optional not included in the box
**DEAMBULO X**

- Internal variable volume: the upper can be lifted and completely opened, making easier to wear the foot.
- The multi-velcro system allows the closure with only one hand and to adjust the fit from M to XL, to accommodate bandaged feet, vascular feet or with edemas. Designed to insert custom made insoles
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole
- Stretchable transpirant upper to accommodate deformities
- Super light

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**X-REUMA**

- Upper in black stretchable Setaflex
- Stabilizing back-counter
- Biomechanical semi-rigid outsole in workable micro with tread powered by Vibram

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**DEAMBULO H**

- Internal variable volume
- Stretchable upper
- Stabilizing back-counter
- Biomechanical anti-stumbling outsole
- Super light

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**CHARACTERISTICS**

**SPECIFIC FOR**

- Diabetic
- Post Surgery
- Rehabilitation
- Senior Foot
SANDALS
AMBRA BLACK

- Upper in black leather and stretchable Flexpell® to reduce the piston effect
- Patented biomechanical semirigid outsole with WellWalk® energy saver technology in workable micro with tread powered by Vibram and double shock-absorber insert
- Model available in Spring-Summer

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MALIPES

- Upper in blue/beige Nabuk + stretchable Flexpell®
- Biomechanical outsole

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IOS

- Upper in black varnish + stretchable Flexpell®
- Biomechanical outsole

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MALIBU GREY

- Upper in grey leather + stretchable Flexpell®
- Biomechanical outsole
- Super light

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## SANDAL SHOES

### CHARACTERISTICS

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- Upper in beige leather + **stretchable** Flexpell®
- Biomechanical outsole

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- Upper in black coir + **stretchable** Flexpell®
- Biomechanical outsole

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<th>Michelangelo</th>
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- Upper in black calf
- Biomechanical outsole

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<thead>
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<th>Leonardo</th>
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<tbody>
<tr>
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</table>

- Upper in black calf + **stretchable** Flexpell
- Biomechanical outsole
- Product available in Fall-Winter