Orthoflex Ltd: Founded on a Lifetime of Achievement

The founders and senior management of Orthoflex are veteran practitioners who have earned international recognition for their achievements in orthotics.

Professor Daniel Reis (F.R.C.S.E.)
With more than 19 years of residency as Chairman of Orthotics and Traumatology, Barzilai Medical Center and Technion (Israel Institute of Technology) Faculty of Medicine, Haifa. Professor Reis has served twice as President of the Israeli Orthopaedic Association. He was the founder of the American Academy of Orthopaedic Surgery, the British Orthopaedic Association, and the Royal College of Surgeons of Edinburgh. Professor Reis has also received awards of international acclaim.

Mr. Oded Zucker (M.B.B.S.)
Mr. Zucker brings to Orthoflex more than 30 years experience as Head of the Orthotics and Traumatology, Barzilai Medical Center, Haifa.

Each Orthoflex product is the result of practical experience, creative response to orthopaedic challenges, and unexcelled quality:

- Protected IP through international patents
- Certified to global standards by ISO 13485, CE (Europe) and MPR (Israel).
- A known 2003 brand with more than 20 years of successful clinical trade to date.

Orthoflex Ltd
Next-Generation Limb Support

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Comparison Plaster Cast Orthoflex Brace

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<thead>
<tr>
<th>Application time</th>
<th>12 Lincolns</th>
<th>1 minute</th>
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<tbody>
<tr>
<td>Ease of application</td>
<td></td>
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<tr>
<td>Patient comfort</td>
<td>Heavy, uncomfortable, padded</td>
<td>Light weight, flexible, padded</td>
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<tr>
<td>Adjustable</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>Easily removable</td>
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<td>Washable</td>
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<td>Reusable</td>
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<td>Breathable</td>
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<td>Heat compliance</td>
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Orthoflex Brace: The Concept

- A smart device that can be fixed to the limb rapidly.
- An adjustable strap that provides support rigidity as needed.
- A flexible padded clip mechanism that suits patient comfort and freedom.
- A removable brace that allows access to the affected limb as needed.
- A removable brace that can be easily re-adjusted and swapped.
- A lightweight brace that collapses for compact storage and easy carrying.
- An affordable, reusable device that provides KO for healthcare facilities.
The Adjustable Flexibility Brace: A timely idea

OrthoFlex, an innovative medical R&D company with connections in Israel, Europe and the USA, produces a patent line of flexible braces for orthopedic indications. OrthoFlex has effectively reinvented a lower limb after trauma, surgery, fracture, or injury, offering many advantages over conventional products.

For medical practitioners, OrthoFlex braces:

- Provide significant pain relief and support in application.
- Can be applied immediately by first responders or emergency services.
- Are easily removed and replaced when follow-up treatments are needed.
- Allow uninterrupted dressing, as well as blood circulation, air circulation, and skin healing.

In addition, advantages using OrthoFlex braces:

- Ideal for foot and ankle surgery pre and post operations.
- Ideal support for lower limb injuries.
- Easy, rapid application of one minute or less.
- No plaster, no mess, reduced labor intensity.
- Ideal for X-ray, CT and MRI imaging without removal.
- Skin color and foot pulse are easily monitored.
- Provides access to leg wounds while maintaining full limb support.
- Suitable for all further hospital procedures for patient admissions.
- Suitable for ongoing, outpatient treatment.
- Brace components can be washed, disinfected and sterilized for reuse.

The Cradle Splint Principle

- These removable, reusable braces are made of durable nylon and polyurethane, which can be washed with antiseptic or sterilized with gas.
- Conforming to the shape of the patient’s body.
- Cradle Splints can be applied over clothing and shoes in two minutes, and can be reappplied without removal.
- They are easily adjustable for immediate first aid stabilization, pre- and postsurgical cases, and long-term use in ICUs, nursing facilities or homes.
- Allows adjustable flexibility in cases where rigid splints are not desirable.
- Stabilizes the foot and/ or ankle in patients in non-weight bearing positions.
- Gives custom-adjusted support to lower limb without unnecessary pressure.
- Provides effective de-rotation stabilization for hip and femur-neck fractures.
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Orthoflex Flagship Product Line:

The Cradle Splint Principle
- Prevents and supports foot and ankle with inflexible padding.
- Functions as a protective barrier for patients able to walk.
- Prevents pressure ulcers and leg complications in paralyzed or unconscious patients.
- Aids in prevention and treatment of diabetic foot ulcers.
- Effective for night-time padding of plantar fasciitis (heel spurs).

Short Splint for Foot-Ankle Support
- One splint supports the foot and ankle with inflexible padding.
- Greatly reduced pain in transport from the trauma site.
- Increased freedom of movement along with strong support.
- Easy removal for washing, cooling and scratching of the covered area, wound inspection.
- Prevention of pressure ulcers and circulation problems from excessive tightening.

Long Splint for Full-Leg Support
- One splint supports the foot through the thigh.
- Together with the combined “cradle” wrap it is a single splint suitable for first aid support of all levels of injury to the lower limb.
- It is indicated in giving support to fractures, injuries, diseases, and operations of the foot, ankle, calf, knee, and sometimes above, when rigid immobilization is not needed or desirable.

Field-Tested Innovation, Wide-Ranging Application

Founded in 2016 by a world-renowned authority in orthopedic medicine, OrthoFlex products represent the next generation in limb bracing, together with smart solutions for previously unmet orthopedic needs.

OrthoFlex: Multiple Advantages

- Lights up as applied and inflates in one minute.
- Inflated units are immediately ready for use without clothing or shoes.
- Inflated padding prevents any impingement onto the body part.
- Adjustable rigidity customizes the base to the type and severity of injury.
- Conforming to body shape gives better support and pressure distribution.
- Ongoing care of site wounds is enabled while treating bone injuries.
- Splint materials are transparent to radiological imaging.
- Brace components can be washed, disinfected and sterilized for reuse.

Orthoflex in the Field: For Ambulances, Rescue Teams, Military & Emergency Services

- Universal temporary solutions for immobilization, support and evacuation of all lower limb injuries.
- Rapid application time in the field: just one minute or less.
- Lightweight, compact, flat packaging product: very easy to carry.
- Easy release from footwear or clothing and replacement allows for optimal care of bone and muscle trauma or broken limbs.
- Significant reduction of fracture pain during patient transport.
- For effective, long-lasting, pain reduction, pain significantly.
- In keeping with “scrape and ten” evacuation.

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