



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 orthopedics.

Professor Daniel Reis (F.R.C.S.E.):

With more than 30 years of leadership as Chairman of Orthopedics and Traumatology, Rambam Medical Center and Technion (Israel Institute of Technology) Faculty of Medicine, Haifa, Professor Reis has served twice as President of the Israel Orthopedic Association. He was a Fellow of the American Academy of Orthopedic Surgery, the British Orthopedic Association, of the Royal College of Surgeons of Edinburgh. Professor Reis is also a prolific of scientific literature and clinical textbooks, with hands-on expertise gained from treating thousands of soldiers and civilians.

Ms. Dalia Zucker (R.N.):

Ms. Zucker brings to Orthoflex more than 35 years experience as Head Nurse of Orthopedics and Traumatology, Rambam Medical Center, Haifa, Israel.

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

- Protected IP through international patents.
- Certified at global standards by FDA (USA), CE (Europe) and Amar (Israel).
- A veteran R&D team with more than 30 years of successful clinical trials to date.



Orthoflex Ltd. *Next-Generation Limb Support*

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Plaster Cast vs. Orthoflex Brace

Comparison	Plaster Cast	Orthoflex Brace
Application time	30+ Minutes	1 Minute
Ease of application	✗	✓
Patient comfort	Heavy, rigid, chafing	Lightweight, flexible, padded
Adjustability	✗	✓
Easily removable	✗	✓
Washable, sterilizable	✗	✓
Reusable	✗	✓
Team compliance	✗	✓

Orthoflex Braces: The Concept

- A smart device that can be fixed to the limb rapidly.
- An adjustable splint that provides support rigidity as needed.
- A flexible, padded limb immobilizer that aids patient comfort and freedom.
- A removable brace that allows access to the affected limb as needed.
- A removable brace that can be easily readjusted and reapplied.
- A lightweight brace that collapses for compact storage and easy carrying.
- An affordable, reusable device that provides ROI for healthcare facilities.



ORTHOFLEX

Next-Generation Limb Support

The Adjustable Flexibility Brace: A timely idea

Orthoflex, an innovative medical R&D company with connections in Israel, Europe and the USA, produces a patented line of flexible braces for orthopedic healthcare. Orthoflex braces effectively immobilize a lower limb after trauma, bone fracture, or surgery – offering many advantages over conventional plaster casts.

For the medical practitioner, Orthoflex braces:

- Do not require plaster.
- Save significant time, manpower and expense in application.
- Can be applied immediately by first responders to an emergency.
- Are easily removed and replaced when follow-up treatment is needed.
- Allow wound treatment at the site, as well as blood circulation, air circulation and skin healing.

In addition, patients using Orthoflex benefit from:

- 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 skin sores and circulation problems from excessive tightness.



Field-Tested Innovation, Wide-Ranging Application

Founded in 2004 by a world-recognized 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

- Splints are applied and inflated in one minute.
- Injured limbs are immobilized without removing clothing or shoes.
- Inflated padding reduces pain by absorbing jolts during transport.
- Adjustable rigidity customizes the brace to the type and severity of injury.
- Conforming to body shape gives better support with minimal discomfort.
- Removable as needed.
- Ongoing care of skin wounds is enabled while treating bone injuries.
- Splint materials are translucent in radiological images.
- Brace components can be washed, disinfected and sterilized for reuse.



Orthoflex: For Emergency Rooms and Hospitals

- 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.



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

- Universal temporary solution for immobilization, support and evacuation of all lower limb injuries.
- Rapid application time in the field – just one minute or less.
- Lightweight, compact, flat-packaged product – easy to carry in the field.
- Flexible removal and reapplication allows access for optimal first aid of lower limbs.
- Significantly reduces fracture pain during patient transport.
- Ideal for transporting injuries for treatment - reduces fracture pain significantly.
- In keeping with "scoop and run" evacuation.



Orthoflex Flagship Product Line:



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.
- Using the hand pump included in the kit, the splints are inflated to the desired rigidity, conforming to the shape of the patient's body.
- Cradle Splints can be applied over clothing and shoes in two minutes, and can be removed in even less time.
- They are equally effective for immediate first aid stabilization, pre- and post-operative care, and long-term use in ICUs, nursing facilities or homes.
- Allows adjustable flexibility in cases where rigid splints are not desirable.
- Stabilizes the foot of bedridden patients in a non-rotating plantigrade position.
- Provides effective de-rotation stabilization for hip and femur-neck fractures.
- Gives custom-adjusted support to lower limb without unnecessary pressure.



Short Splint for Foot-Ankle Support

- Protects and supports the foot and ankle with inflated padding.
- Functions as a protective boot 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 cases (heel spurs).



Long Splint for Full-Leg Support

- One splint supports the entire leg from heel to thigh.
- Together with the contained "well-leg" strap it is single splint suitable for first aid support of all levels of injury to the lower limb.
- It is intended to give support to fractures, injuries, diseases, and operations of the foot, ankle, calf, knee, and sometimes above, when rigid immobilization is not needed or desirable.