dolphix®
TEMPORARY FIXATION SYSTEM

Temporary external fixation system

- Intuitive
- Rapid
- Versatile

MR
MR Conditional

citieffe®
Essential moves in Trauma

Temporary external fixation

Dolphix is a temporary external fixation system, MR Conditional, indicated in the Damage Control surgery for temporary stabilization of fractures, of articular and complex periarticular fractures of the distal femur, proximal and distal tibia. Dolphix can be used as a fracture reduction system, or as a temporary distractor allowing comfortable patient positioning.

- Sterile kits ready to use
- No instruments required
- Easy to handle during indirect reduction
- Easy access and visibility of the surgical field for later definitive fixation
- Possibility of comfortable construct for bedridden patients
- Easy to remove before definitive stabilization
- Modular fixator for several configurations using few components

MRI Safety Information

A patient can be scanned safely with magnetic resonance imaging after positioning devices under the following conditions:

- static magnetic field: 1,5 or 3 Tesla
- maximum spatial field gradient: 30 T/m
- maximum MR system reported, whole body averaged specific absorption rate (SAR) of 2 W/Kg*.

** The complete MRI Safety Information is on file at Citieffe*

NOTE: *Dolphix with a static magnetic field of 1,5 T can be safely scanned up to 60 minutes.*
Dolphix with a static magnetic field of 3 T can be safely scanned up to 15 minutes.

STERILE

System components

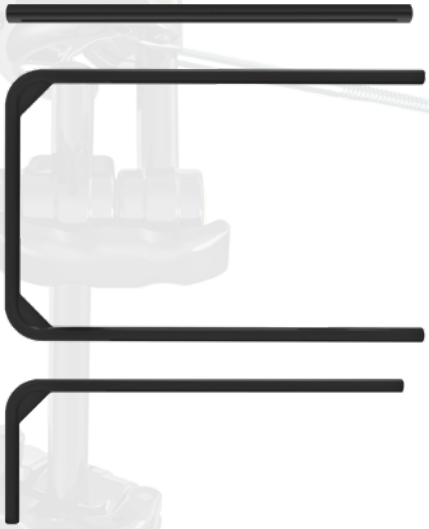
Clamp
Single clamp with manual locking for all bone screws

Rod to rod clamp
Quick and intuitive control of manual locking.

Radiolucent straight rod ø12mm
Length: from 150mm to 650mm

U-shaped radiolucent rod ø12mm
Allows easy surgical approach for definitive treatment
Size: 300x200mm

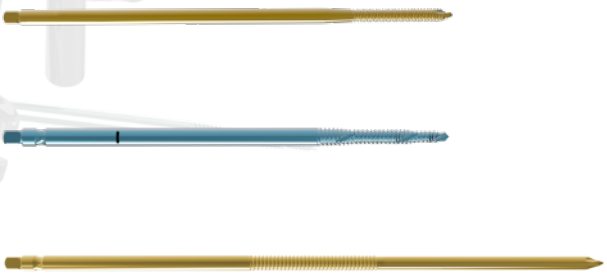
L-shaped radiolucent rod ø12mm
Size: 70x250mm and 100x300mm



Standard bone screw
Titanium alloy screw, single diameter thread and blunt tip

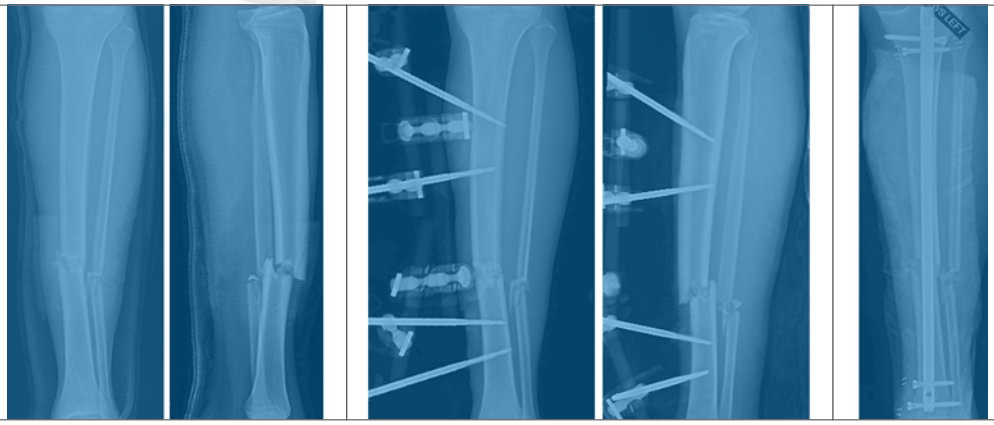
Damage Control bone screw
Titanium alloy screw, 3 step taper geometry and self-drilling and self-tapping tip

Transfixing bone screw
Titanium alloy screw with central thread



Diaphyseal fracture tibia and fibula
Female, 22 years old, LEFT TIBIA FIBULA

Courtesy of Prof. Massimo "Max" Morandi, MD, FACS, USA



Bibliography

- Morandi MM, Jaeblon T, Garon MT, Mangano S. Orthopaedic Trauma Surgery vs Fracture Care: what is the difference? GIOT 2016; 42:251-259.
- Rollo G, Pasquino A, Pichierri P, Bisaccia M, Stasi A, Giaracuni M, Cazzella N, Meccariello L. The damage control in tibial pilon open fractures with a new external fixator delta frame. J Acute Dis 2017; 6(5):222-226.
- Manca M, Isola A, D'Arcangelo M, Sirianni R. Le lussazioni traumatiche del ginocchio - Traumatic knee dislocations. Lo Scalpello Journal. 2018, 32:174-182.
- Morandi MM, Simoncini A, Hays C, Garrett J, Barton RS, Chen A, Solitro GF. Optimal configuration for stability and magnetic resonance imaging quality in temporary external fixation of tibial plateau fractures. Orthop Traumatol Surg Res. 2020 Nov;106(7):1405-1412.
- Khalily C, Seligson D, Frangie R. A new modular external fixator: A retrospective review. Current Orthopaedic Practice 2020; 31(3):288-290.
- Ballard DH, Garrett JD, Simoncini AA, Barbeito S, Morandi MM. Safety and image quality of MR-conditional external fixators for 1.5 Tesla extremity MR. Emerg Radiol. 2021 Jun;28(3):581-588.
- Addevico F, Simoncini A, Solitro G, Morandi MM. Magnetic Resonance Imaging of the Knee in the Presence of Bridging External Fixation: A Comparative Experimental Evaluation of Four External Fixators, Including Dolphix®. J Funct Morphol Kinesiol. 2021 Dec 30;7(1):4.

dolphix®
TEMPORARY FIXATION SYSTEM

Temporary external fixation system

citieffe®
Essential moves in Trauma

INSPIRED BY PEOPLE
MOVED BY INNOVATION

Citieffe s.r.l.
Via Armaroli, 21
40012 Calderara di Reno (BO) - Italy
Tel +39 051 721850 - Fax +39 051 721870
info@citieffe.com - www.citieffe.com

CE 0476