FAST

BIBLIOGRAPHY

1. Corradi C., Cozzolino A. Effect of ultrasonics on the development of osseous callus in fractures. Arch Ortop. 1953 Jan-Feb; 66(1): 77-98.

2. Rubin C., Bolander M., Ryaby J.P., Hadjiargyrou M. The use of low-intensity ultrasound to accelerate the healing of fractures. J Bone Joint Surg Am. 2001 Feb; 83-A(2): 259-70. Review.

3. Romanò C.L., Meani E., Romanò D., Usellini E. Low intensity pulsed ultrasound for the treatment of septic non-unions. 23rd Meeting of the European Bone and Joint Society, Milano, 27-29 Maggio, 2004.

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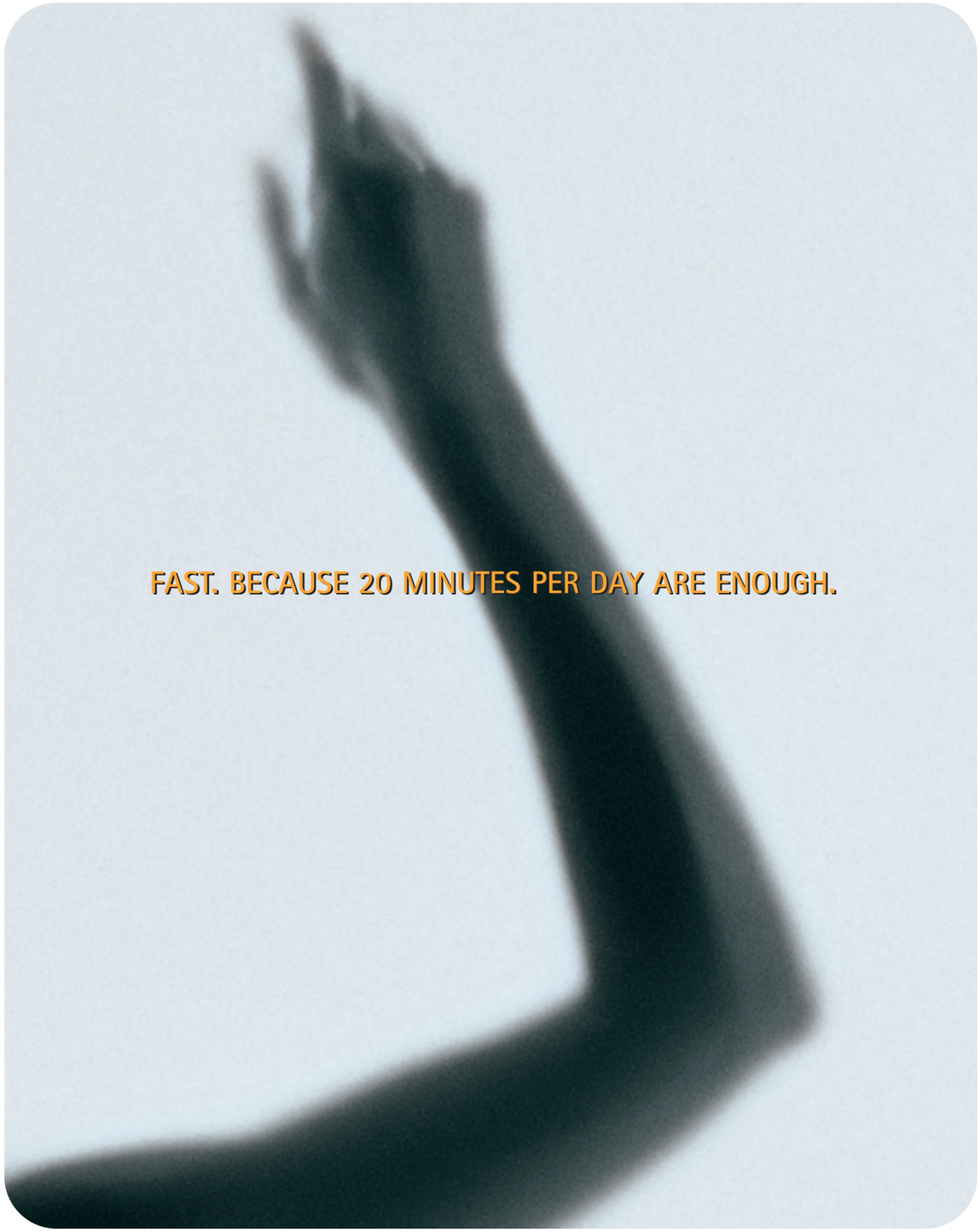


IGEA®

TECHNOLOGY FOR CLINICAL BIOPHYSICS.

FAST. Low Intensity Pulsed Ultrasounds.

IGEA, worldwide leader in clinical biophysics, presents FAST: an innovative system for fracture treatment that, by means of low intensity pulsed ultrasounds, enhances the endogenous bone repair.

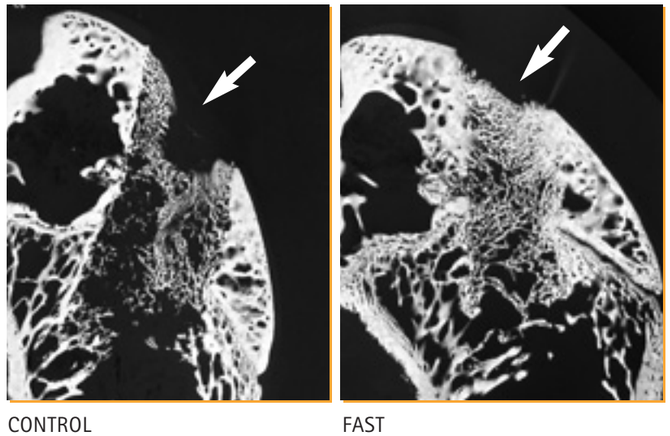
Once more we are on your side to provide the most innovative solutions in order to increase the value of your professional efforts.

Fast.

FAST acts rapidly, focusing precisely on the fracture site. The ultrasound beam enhances the osteogenic activity with a daily treatment of only 20 minutes.

Effective.

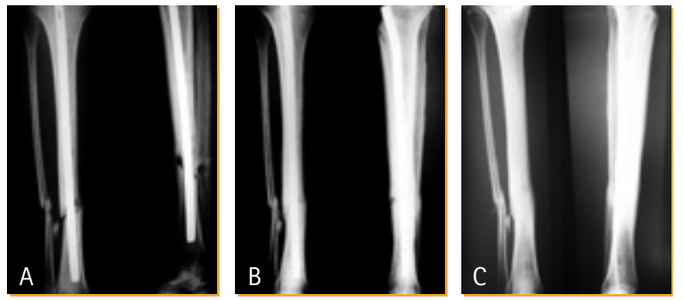
Like all IGEA therapies, the effectiveness of FAST has been demonstrated: the use of FAST has halved the healing time of bone defects in animal models.



CONTROL FAST

The microradiographies show the filling of a hole made in the knee of the rabbit:
Left: control
Right: treated with FAST

Clinical studies have demonstrated that low intensity pulsed ultrasounds treatments shorten by 30% the healing time in fresh or recent fractures.
Clinical studies on patients suffering from pseudoarthrosis demonstrate that FAST has an 86% success rate.



Comment to the radiographies: Female aged 36.
A- Pseudoarthrosis of tibia (8 months since trauma). When the staphylococcus aureus is isolated, the therapy with FAST starts.
B- After 90 days of stimulation, there is evidence of bone callus formation.
C- Healing is achieved after 125 days of treatment, X-ray control after removal of intramedullary nail.

Handy.

FAST is simply and easily applied by the patient on a daily basis. The innovative gel pad developed by IGEA ensures an optimal contact with the skin while avoiding moisture formation in the plaster cast.

1-Moisten the gel pad and place it on the transducer head.
2-Fix the gel pad with the ring nut.
3-Put the transducer on the support and lock it with the clip.

Indications for use.

-Recent fractures
-Non-unions