



Tetranite™

Synthetic Bone Adhesive

To Treat Fractured Bone and Stabilize Metal Hardware

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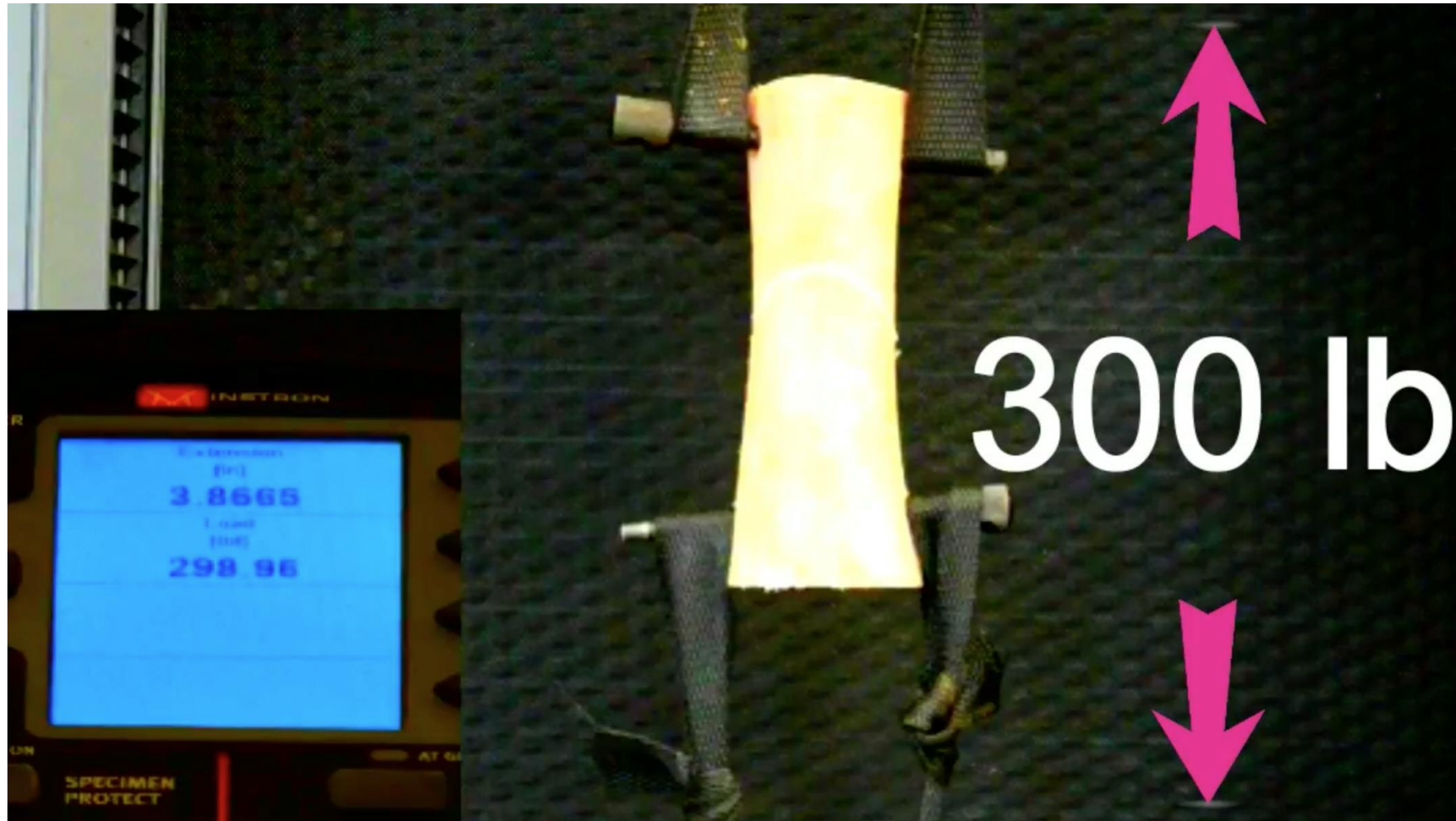
617-460-6675



21 Drydock Ave, S610E
Boston, MA 02210

"Gold Award"
Winner 2015

Bone Demonstration – Adhesive Strength



Sets Up Fast – Load Bearing in 10 Minutes

Tetranite™ Performance in Osteoporotic Bone?

- >10 million Americans have osteoporosis, significant bone loss increases risk of fracture.
- ~Half of women age 50+ will have an osteoporosis-related fracture in their lifetime.¹



¹<http://www.webmd.com/osteoporosis/ss/slideshow-osteoporosis-overview>

Biomechanical Strength? New Bone Formation Capacity?

LaunchPad Medical Wins CASIS/Boeing Grant

Award \$500,000 in Grants Through MassChallenge

<http://www.iss-casis.org/NewsEvents/PressReleases/tabid/111/ArticleID/190/ArtMID/586/CASIS-and-The-Boeing-Company-Partner-and-Award-500000-in-Grants-Through-MassChallenge.aspx>



To Study Tetranite™ on the International Space Station to Assess Bone Formation

Why ISS? Osteoporosis Research on Earth Limited

Micro-Gravity = Ultimate Environment to Study Effects of Osteoporosis

Objective:

- ▶ Study stem cell/osteoblast response to Tetranite™ under microgravity conditions

Hypothesis:

- ▶ Tetranite™ will enhance bone formation capacity of human osteoblasts
- ▶ Tetranite™ will stimulate bone formation faster than commercial bone grafts

Impact on Earth:

- ▶ Improve outcomes for osteoporotic patients who fractured their bones
- ▶ Enable treatments for osteoporotic patients currently denied