

Monday, October 7, 2024 at 13:45:00 Central Daylight Time

Subject: FW: BioBrace - Breakdown of Studies
Date: Thursday, October 3, 2024 at 1:48:17 PM Central Daylight Time
From: Gianna Raimondi <giannaraimondi@conmed.com>
Attachments: image001.png, BioBrace Retrospective White Paper.pdf, BioBrace Preclinical RCR Study.pdf, Chronic Achilles Tendon Rupture Case Report.pdf, BioBrace PreClinical Patellar Tendon Study.pdf, BioBrace Rotator Cuff Biomechanical White Paper.pdf

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From: Gianna Raimondi
Sent: Tuesday, October 1, 2024 4:57 PM
Subject: BioBrace - Breakdown of Studies

BioBrace Foot & Ankle Team-

As a reminder, join us this Thursday for our [AlternatiV+Max BioBrace anchor launch](#).

We have lots of pre-clinical and clinical data on BioBrace, to which can be overwhelming. I have broken down a couple of our key BioBrace studies with highlighted take aways:

“Chronic Achilles Tendon Rupture Case Report”

- BioBrace patch utilized to regenerate new tissue within an area of the Achilles that was once cavitated
- 6-month post-op MRI demonstrated new tissue where the BioBrace took place, restoring the Achilles tendon
- Patient preformed active/passive ROM 8-weeks out and by 6 months, able to hop on both feet

“BioBrace PreClinical Patellar Tendon Study” Healing

- Rapid cellular infiltration and regeneration of new tissue
- Histology report demonstrated that BioBrace held itself open AND cells/biology filled in at 3 and 12 weeks.
- Also demonstrated 0 adverse inflammatory response

“BioBrace Rotator Cuff Biomechanical White Paper” Strength

- 12 single row repairs, 6 augmented with BioBrace and 6 without
- BioBrace group increased max load to failure of the repair by 34% (added 114N of strength) and decreased cyclic creep by 23% (creep: construct getting elongated over time)

“BioBrace PreClinical RCR Study” Rapid Healing and Strength

- Animal study (18) comparing native non-operated rotator cuff tissue to BioBrace repair group with double row anchor fixation
- Results: BioBrace increased tendon thickness, added 1000N of new strength from week 0-12, 6-weeks post-op the BioBrace was fully infiltrated with new thicker tissue with new tendon on top of it as well.
- By 12 weeks post-op the BioBrace augmented repair was as strong as the non-operated control group (native rotator cuff)

“BioBrace Retrospective White Paper – Clinical Study”

- 267 different patients from 4 different surgeons and 12 different procedure types up to 1-year follow-up
- No adverse events related to BioBrace
- 3.8% retear rate with BioBrace compared to 7.2% to 94% reported in the lit
- Out of the lower limb group... no retears or reoperations

I hope this helps understand the key data behind BioBrace. As always, reach out to me for further clarification.

Keep killing it!!

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