

GreenBone

ortho srl



The Hague (NL) March 31, 2016
Most Inspiring Idea from Europe

Regain More
Than Just
Your Mobility.

A photograph of a bamboo forest with a path leading through it. The bamboo stalks are tall and thin, creating a natural archway over the path. The ground is covered with dry, brown bamboo leaves. The sky is visible through the canopy, showing a bright sun.

Bones from Bamboo

The unique bone regenerative solution

GreenBone has different applications



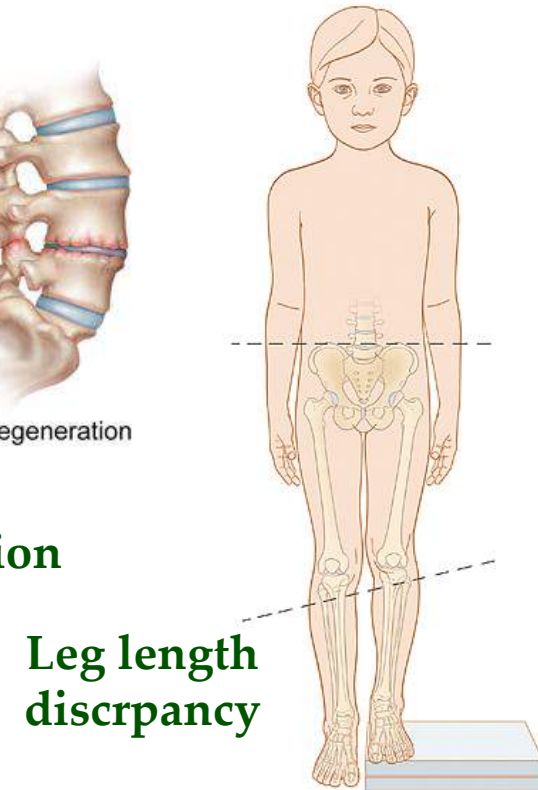
**Non-union –
pseudarthrosis
fractures**



**Cancer
(i.e. sarcoma)
Infections
(i.e Osteomyelitis)**



**Spine fusion
Bone augmentation**



**Leg length
discrepancy**



Patients are waiting for our solution

- Bone grafting is a **common surgical procedure**.
- More than **4 million reconstructive grafting procedures** each year.
- **No effective solutions today for critical size defect.**

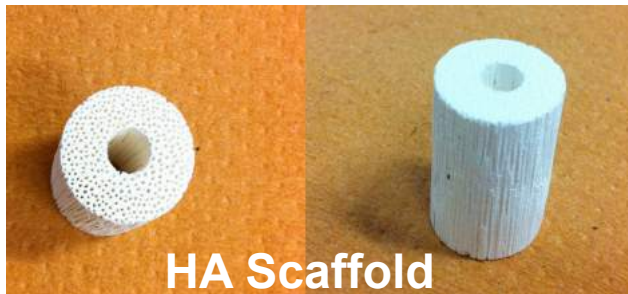
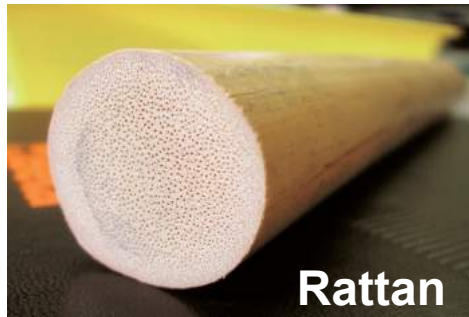
❖ Initial focus is **non-union – pseudarthrosis fractures**.



Bones and rattan (bamboo related tree) are similar



The best material for bone regeneration



- ❖ Completely transformed in HYDROXYAPATITE
- ❖ No sintering: nano-size crystals
- ❖ Bio-mimetic

Complete Bone
regeneration



GreenBone is really unique and low risk



- Medical device
- Bone formation & load bearing demonstrated in-vitro and in animals
- Easy to shape for various applications
- Manufacturing process scaled-up





GreenBone at a glance

**Innovative wood-derived
bone regenerative
load bearing grafts.**

- ✓ **World class 7 people team** (business, R&D, manufacturing, RA&QA) that has advanced **multiple orthopaedic products from bench-to-market.**
- ✓ Collaboration with **Rizzoli Orthopaedic Research Institute** (Bologna, Italy).
- ✓ **Patented.**
- ✓ **Seed Round 3.0M EURO 1Q 2015**

CONFIDENTIAL

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✦ **TED^x**Binnenhof 2016 'Ideas from Europe' March 31, The Hague (NL)



✦ Biomed Tel Aviv 2015 "WOW Factor" Start up Finalist



✦ "Smart & Disruptive Company – Italy 2014" by MIT Review.



✦ "30th among top 50th researches worldwide" by Time Magazine 2010.



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