

Victories and challenges

SATIBA
21 October 2021

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Tissue Engineering Executive

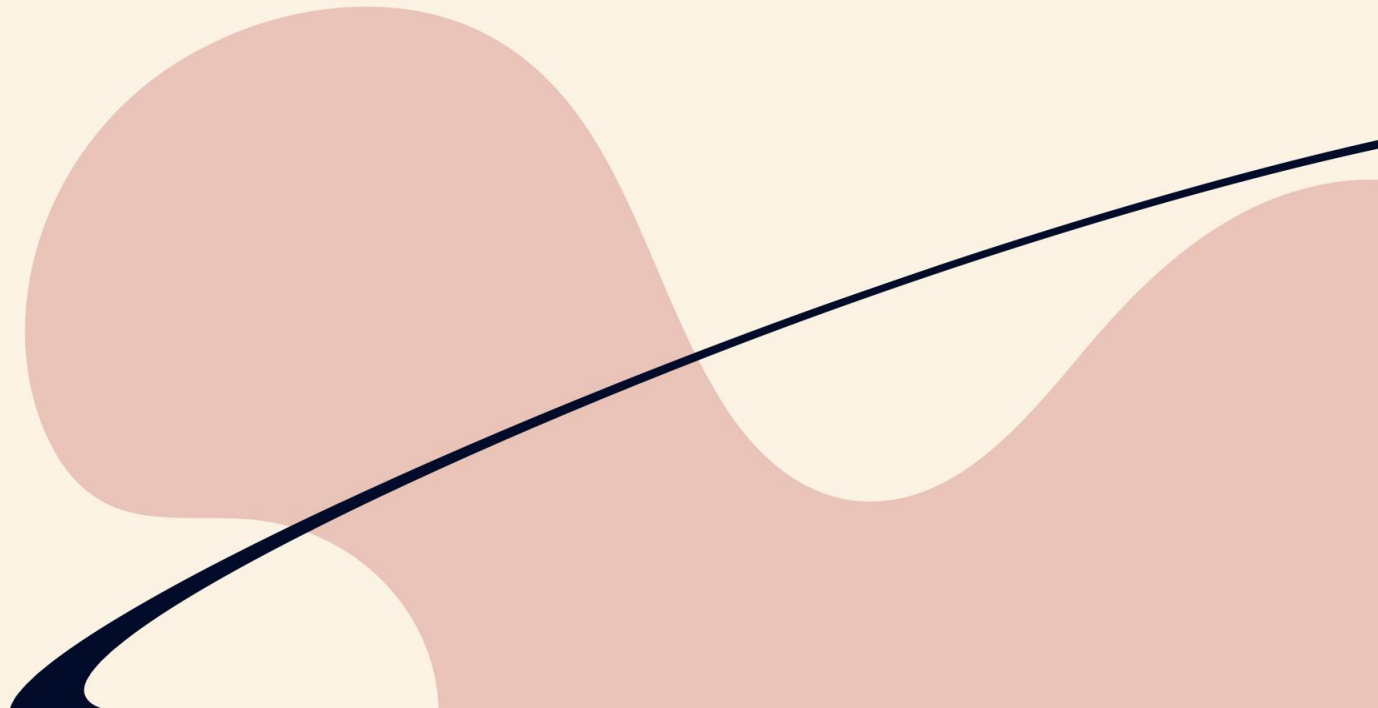


Victories



Victories

- Navigated through the Covid-19 storm
- Established Vitanova tissue bank
- Appointed 15 additional staff members
- Expansion of scope
 - Obtained ISO 9001: 2015 accreditation
 - Recovering, processing, storing and distribution



vitanova
THE CORRECTION TISSUE BANK OF SOUTH AFRICA

Do you believe?

Chances are you do. Chances are, all of us do.

To believe is to gently let go of your baby as he takes a first wobbly step into the world.

To believe is to jump into the pool for the very first time, waiting to be caught.

To believe is to send that email, take that chance, knock on that door.

To believe is to lean in for that kiss. Or ask that question, even.

To believe is to help a stranger simply because they asked.

- To believe is to sit next to your person in their hospital bed until you're aching.

Believing is not a lofty thing. It is a human thing.

It's what we do every day in the hope that we'll make a difference in our own lives and the lives of those around us.

Believing is a choice.

Believing is a doing word.

BELIEVING IS DONATING.

Bone SA
SAFARI TISSUE BANK



Tissue Recovery

Tissue sourced

- **Deceased donors**
 - Honor the donors and donor families
 - Memorial wall
- **Femoral head project**
 - Collaboration with hospitals

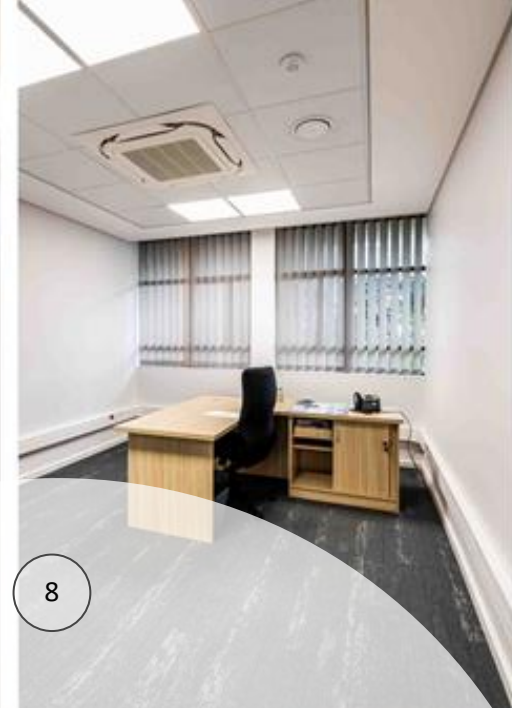


Processing facilities



Cancellous crush





Training facilities

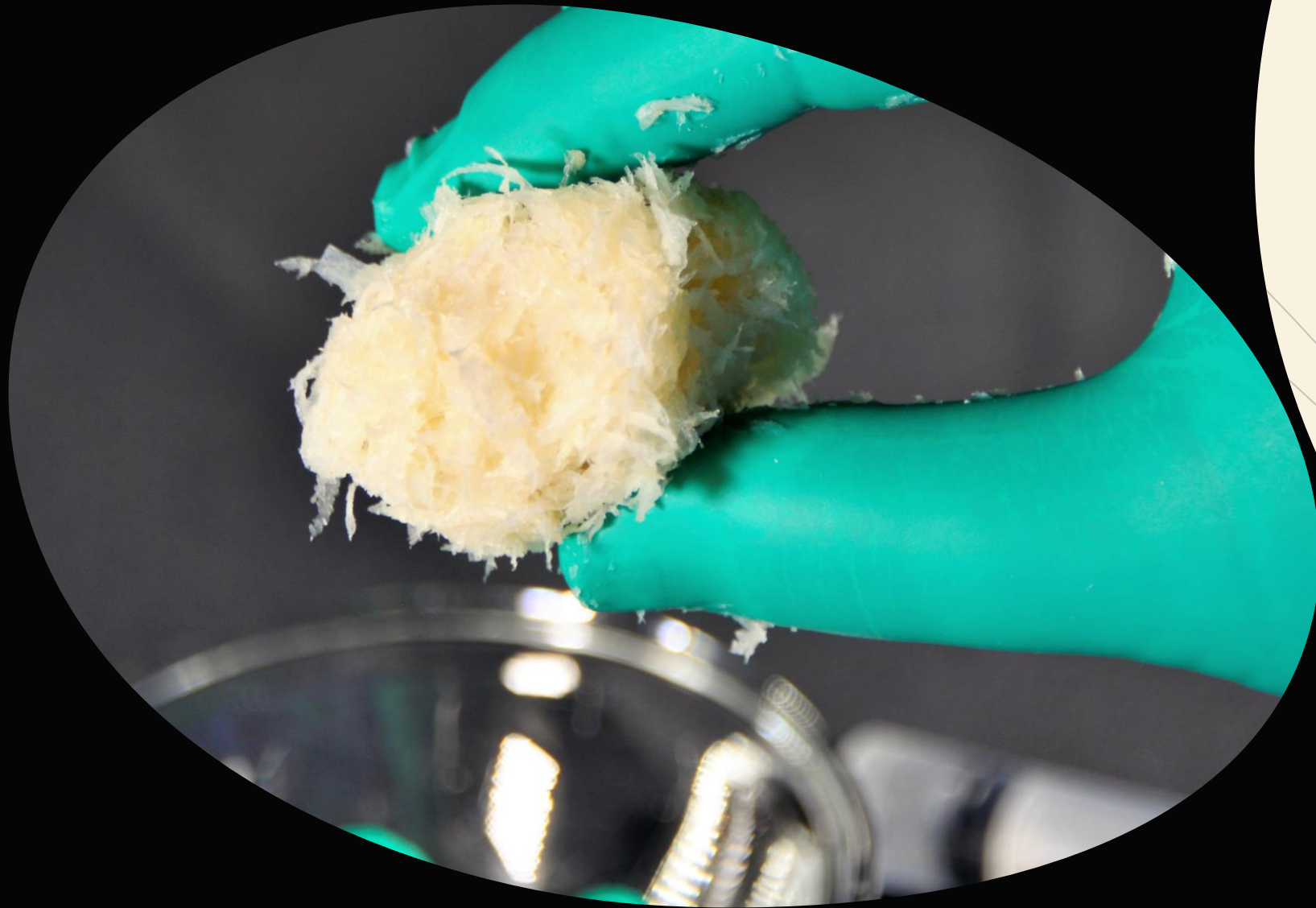
Entertainment area





Vitanova Launch Event

17 June 2021



**Novel
products:
Demineralized
cortical bone
fibres**

The benefits of using bone fibres include:

- | Mouldable grafts
- | A greater osteoconductive structure
- | Graft expansion
- | Osteoinductive properties, and
- | Easy preparation – rehydration is simple and the product is ready for use in less than a minute



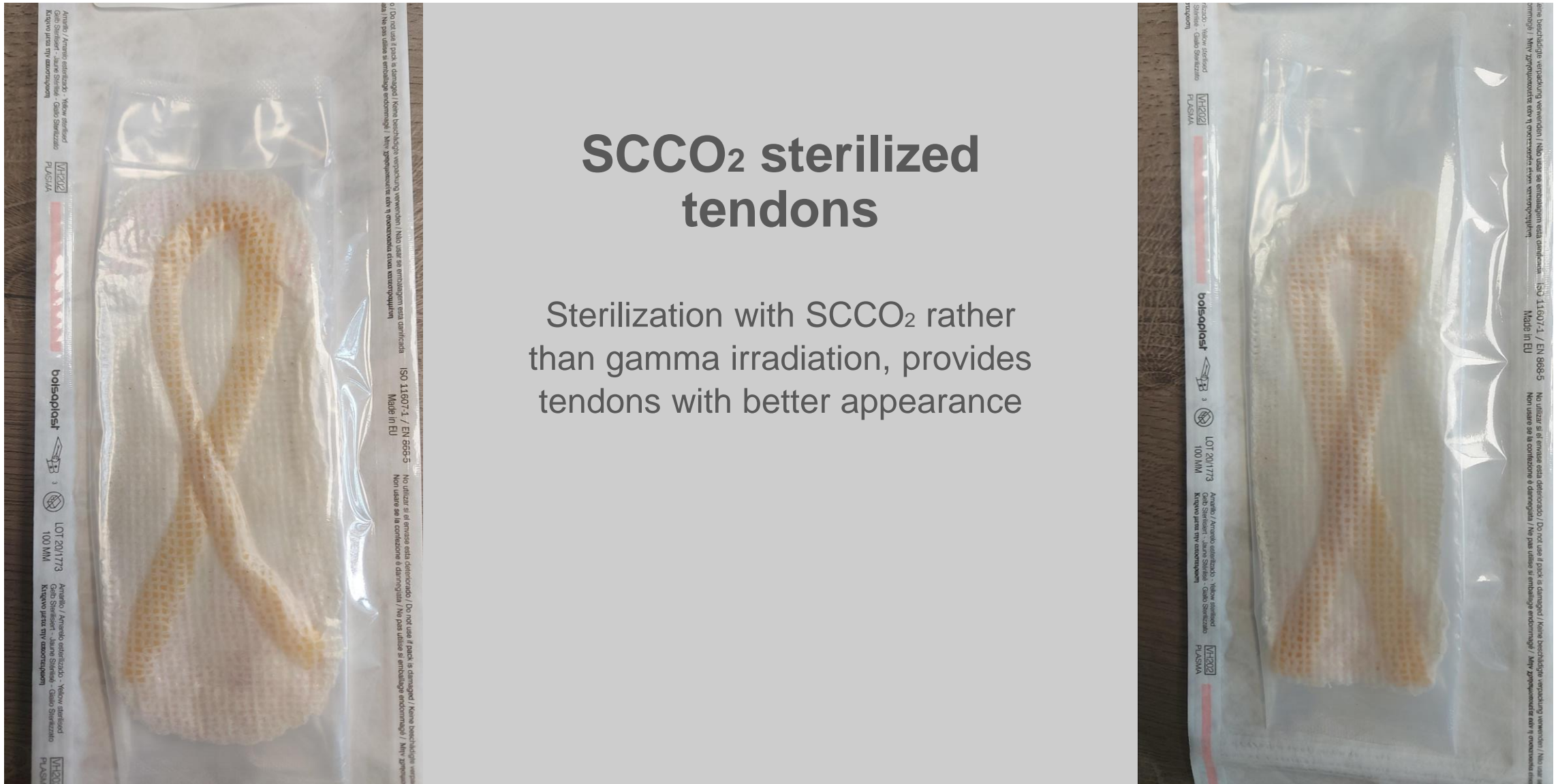
Demineralized Cortical Bone Fibres

Novel products: SCCO₂ sterilized tendons



SCCO₂ sterilized tendons

Sterilization with SCCO₂ rather than gamma irradiation, provides tendons with better appearance

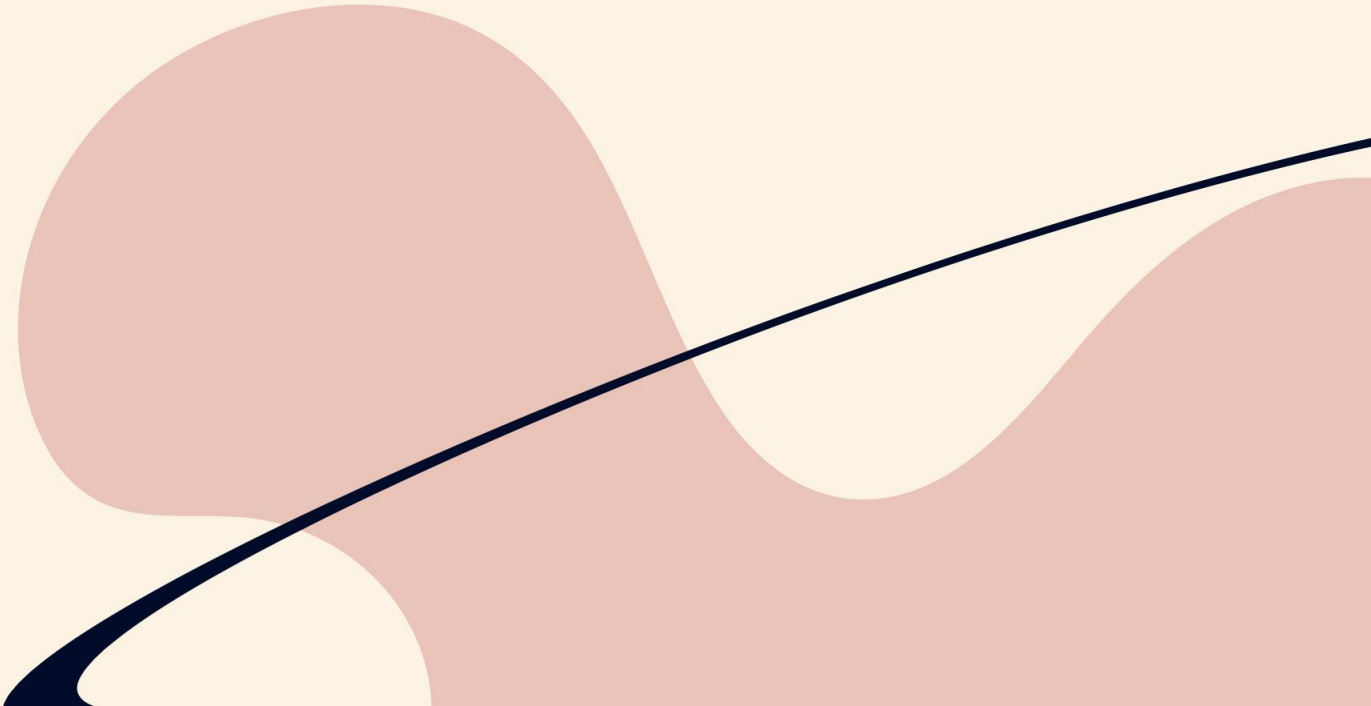




Challenges



Challenges

- In the midst of significant investment
 - Covid-19 caused Bone SA to only meet 59% of distribution target
 - Export permits
 - Donor numbers
 - Access to public health spaces
 - Donor awareness
 - Marketing and distribution
 - Inexperienced staff compliment
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THANK YOU