



ORDEM
DOS
ENGENHEIROS

Biomaterials, from design to distribution

12th October 2021

Medbone® | Biomaterials, engineering life.™

Specialist in
Bone Repair and
Regeneration



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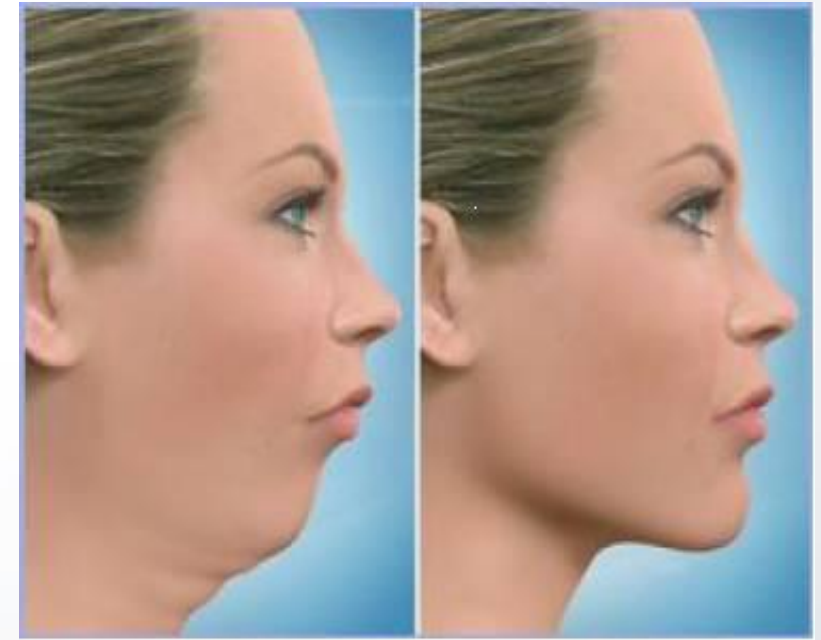
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Biomaterials

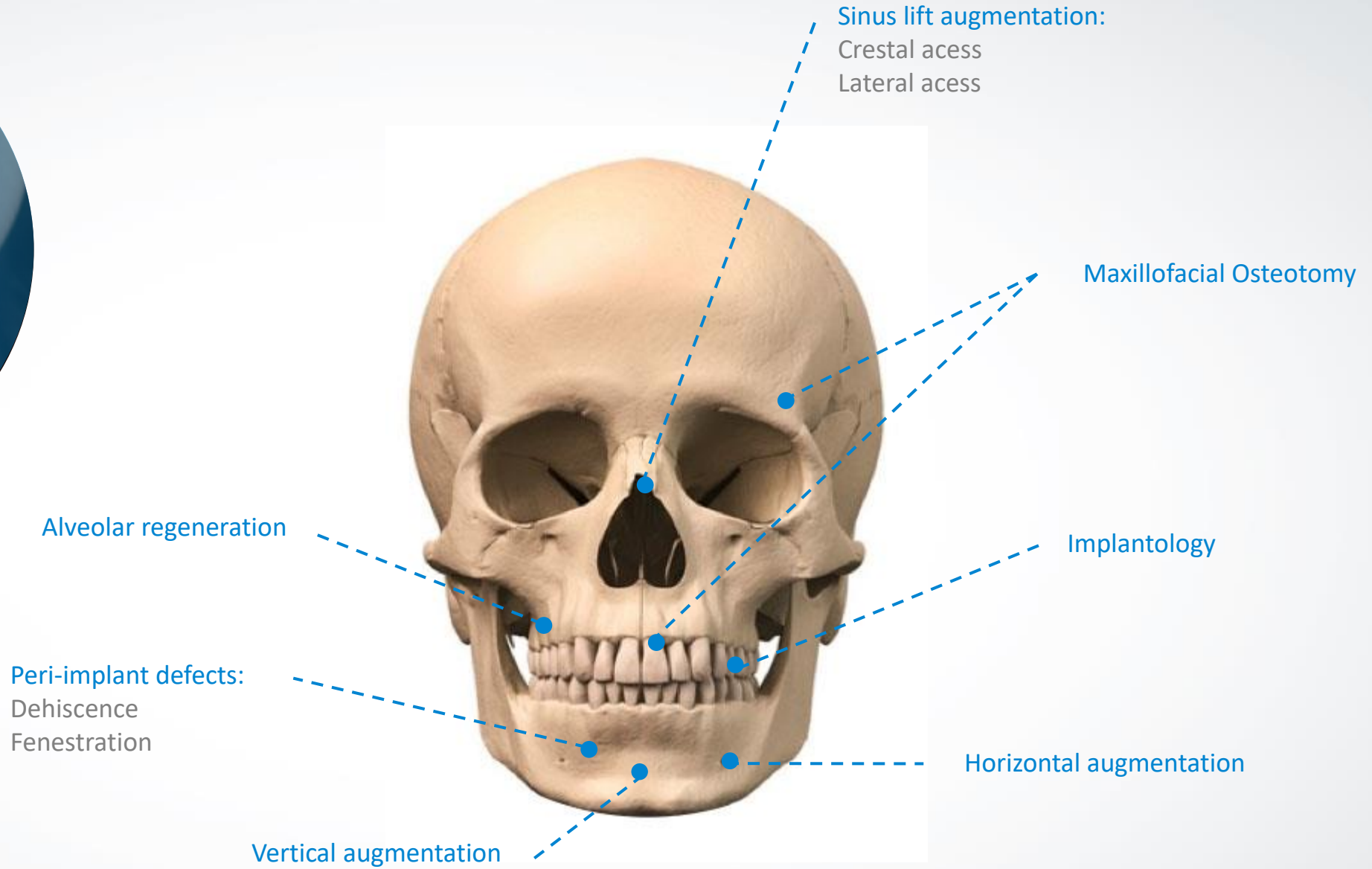
Biomaterials can be of natural or synthetic origin and are designed to support, enhance, repair or replace damaged tissue or biological function.

When is Bone Regeneration needed?

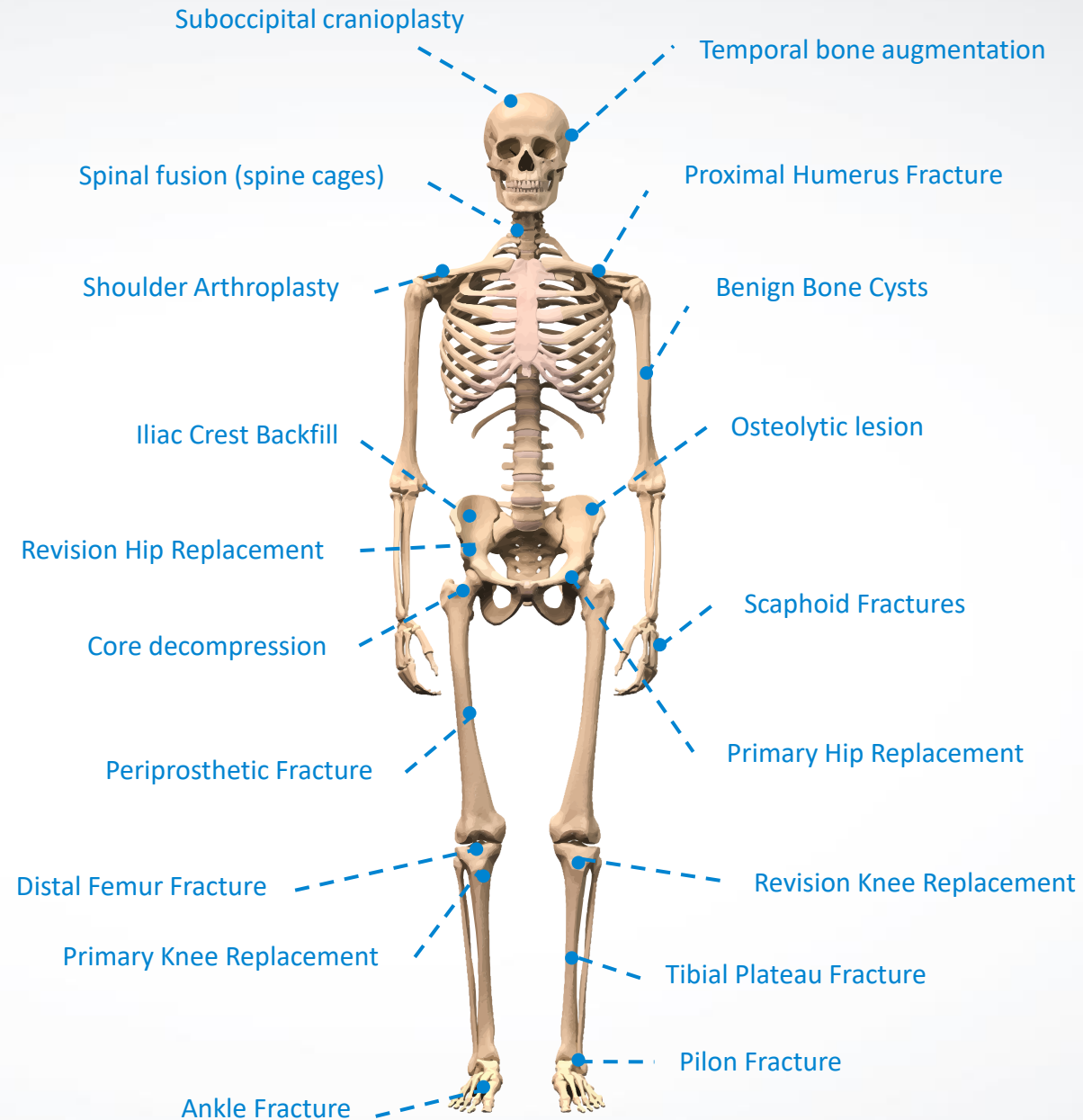


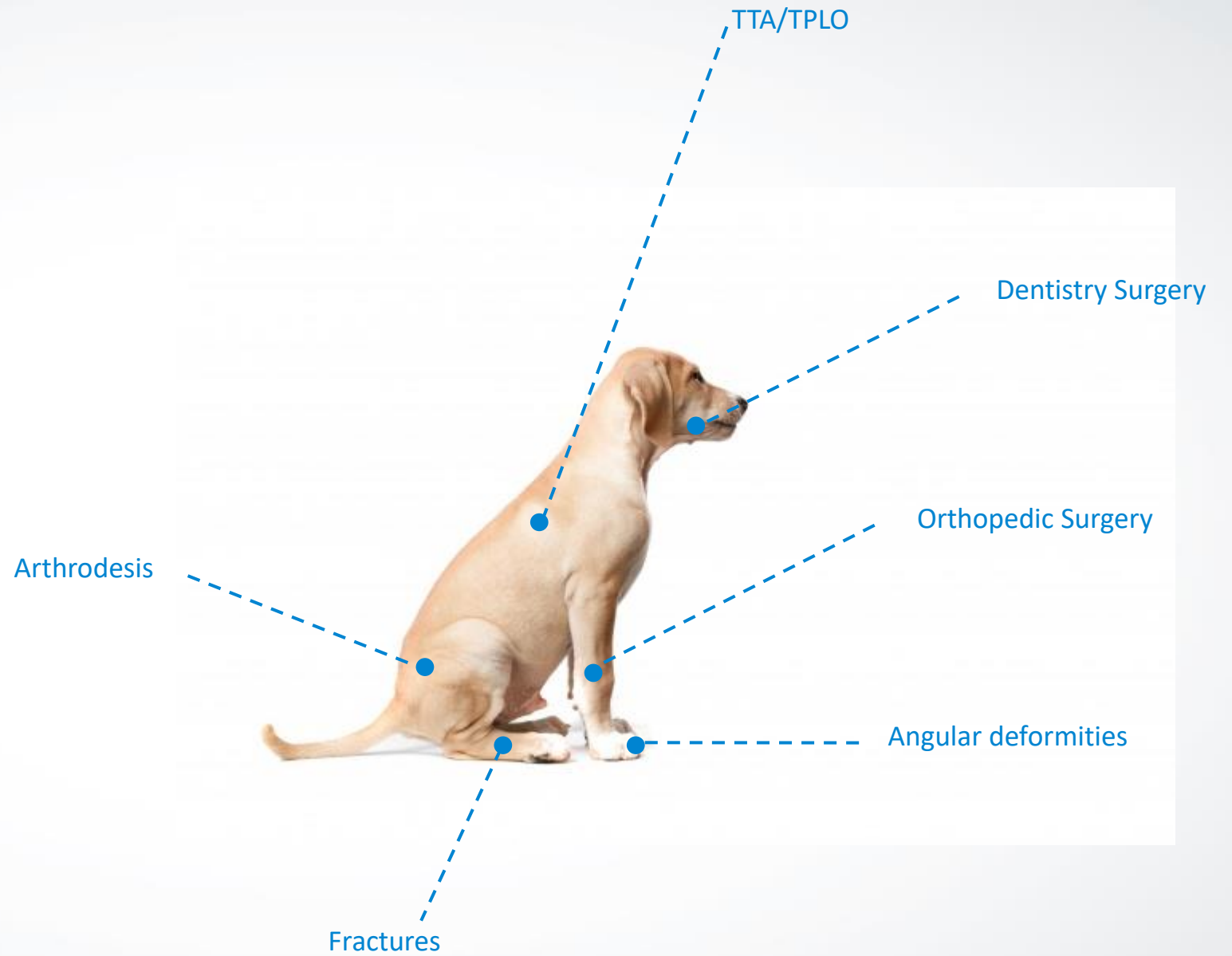


Dental Indications



Orthopedic Indications

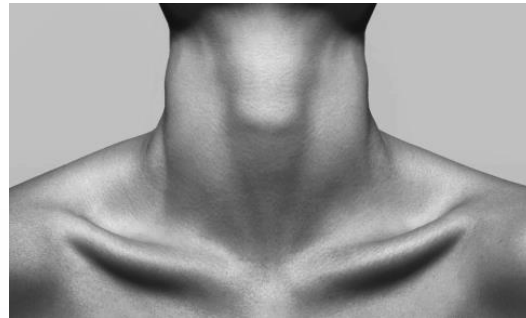




Medbone® Biomaterials

Established since 2008, **Medbone®** develops and manufactures high quality Biomaterials for tissue regeneration, using an innovative technology.

Our Biomaterials are sold and used worldwide in surgeries of:



orthopedic



dental



veterinary

2008

Achievements

Opening of Medbone

Facilities in Manique, Cascais – 60m²

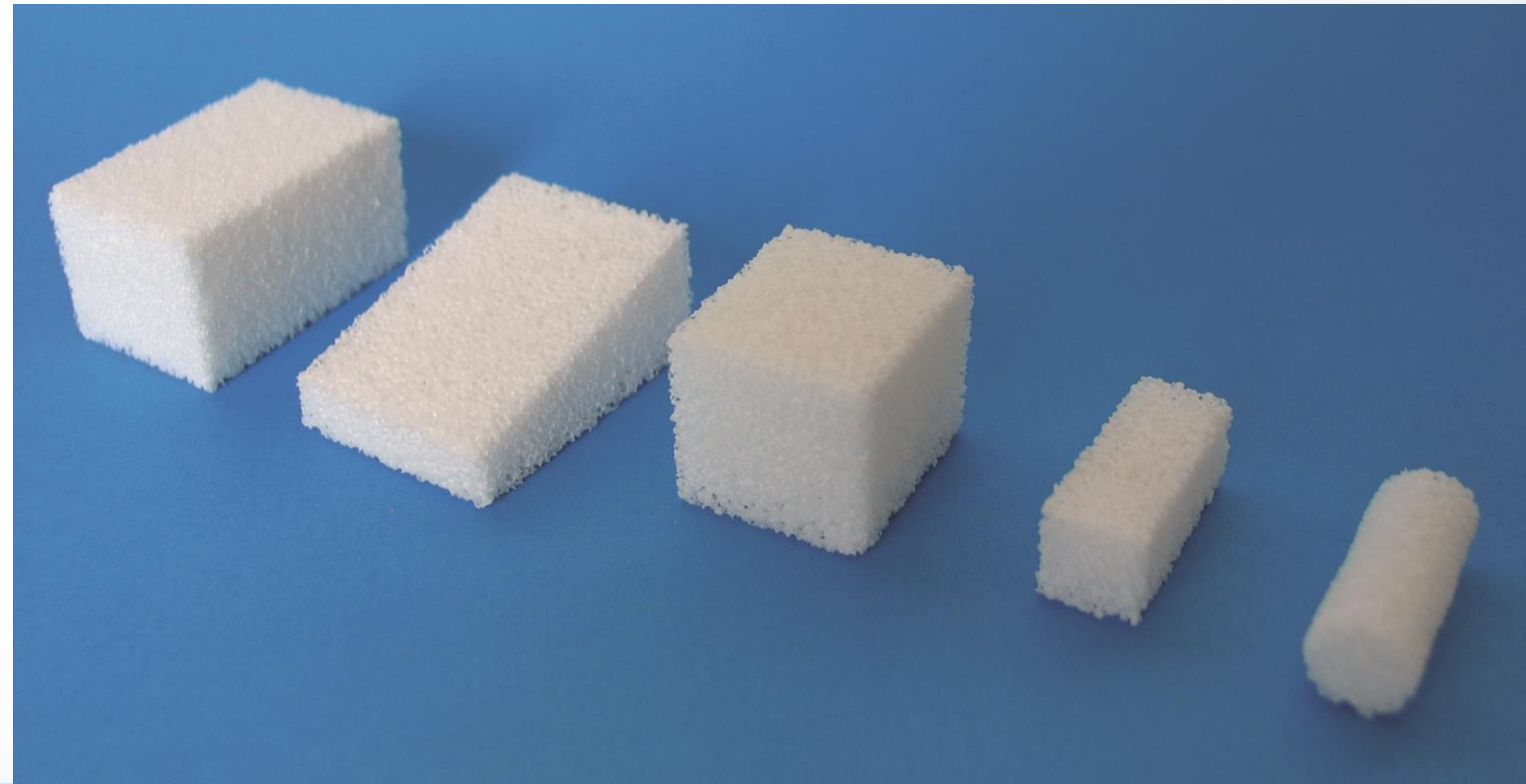
Challenges

Proof of concept

Industrial License

Electricity

Cleanroom and Equipment



2010

Achievements

CE Marking of 2 products- European Directive 93/42/EEC

Start of the orthopedic and dental area

Internalization

Challenges

Commercialization

Strategies for each area



2015

Achievements

New facilities in Beloura, Sintra – 500m²

CE Marking of a new product - European Directive 93/42/EEC

Challenges

Prepare an increase and new layout of the facility to increase production volumes

Cleanroom and Equipment

New Industrial License

Develop a new product to increase portfolio

Focus on the distribution channels



2018

Achievements

Facility increase to 900m²

Product approval in Belarus, India,
Argentina, Saudi Arabia, Australia,
Malaysia, Singapore, UAE

Challenges

New Industrial License

New cleanroom, warehouse and lab
relay





Medbone
Products

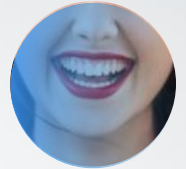
adbone® BCP

Hydroxyapatite and Beta-Tricalcium Phosphate

Orthopedic



Dental



Available Geometries

Granules



0,1 – 0,5 mm

0,5 – 1 mm

1 – 2 mm

3 – 4 mm

Crunch



4 x 7 mm

Cylinder



8 x 20 mm

Wedges



6 x 25 x 30 mm

8 x 25 x 30 mm

10 x 25 x 30 mm

12 x 25 x 30 mm

14 x 25 x 30 mm

Blocks



4 x 4 x 20 mm

5 x 10 x 15 mm

8 x 8 x 20 mm

15 x 15 x 20 mm

15 x 20 x 30 mm

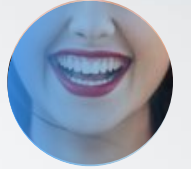
adbone[®]TCP

Beta-Tricalcium Phosphate

Orthopedic



Dental



Available Geometries

Granules



0,1 – 0,5 mm

0,5 – 1 mm

1 – 2 mm

3 – 4 mm

Crunch



4 x 7 mm

Cylinder



8 x 20 mm

Wedges



6 x 25 x 30 mm

8 x 25 x 30 mm

10 x 25 x 30 mm

12 x 25 x 30 mm

14 x 25 x 30 mm

Blocks



4 x 4 x 20 mm

5 x 10 x 15 mm

8 x 8 x 20 mm

15 x 15 x 20 mm

15 x 20 x 30 mm



EthOss®

Beta-Tricalcium Phosphate and Calcium Sulphate



Available Geometries

Syringe



0.25cc

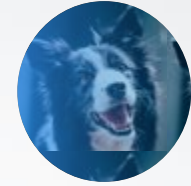
0.5cc

1cc

adbone[®]VCP

Beta-Tricalcium Phosphate

Veterinary



Available Geometries

Granules



0,5 – 1 mm

1 – 2 mm

Cylinder

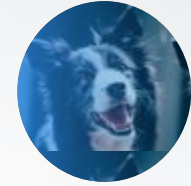


8 x 20 mm

adpaste® VET

Hydroxyapatite

Veterinary



Available Geometries

Syringe



3cc

Facilities



Cleanroom Entrance and Changing Area



Synthetic Bone Graft



Injectable Bone Graft



Sterile Barrier Packaging





Final Packaging Room



Labs

Material Analysis Lab



Microbiology Lab





Thank you



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