INVESTOR PRESENTATION

MARCH 2021

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TRANSFORMATIVE BONE REGENERATION PRODUCTS

BREAKTHROUGH TECHNOLOGY

Unique 3D printed implants that facilitate vascularisation to accelerate bone and tissue regeneration

IMPROVES LIVES

Extremely low probability of issues after surgery compared to bone grafts and permanent implants

REVENUE INCREASING

Revenue is growing as surgeons increasingly switch from traditional products to Osteopore implants

TARGETING THE SIGNIFICANTLY UNTAPPED US$3.9BN BONE GRAFT & US$100BN PERMANENT IMPLANT MARKET WITH **SUPERIOR PRODUCTS**

Source for market size data: Allied Market Research, BCC Research

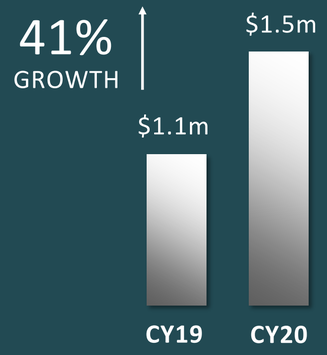
INVESTMENT HIGHLIGHTS

REGULATORY CLEARANCE

Osteopore's products are cleared by the US FDA, Australian TGA and some bear the CE mark of conformity

SCALABLE BUSINESS MODEL

High margin products with low manufacturing capital intensity provide significant opportunity to scale the business and enter new markets



GROWING REVENUE

AUD$1.5 million in revenue for the twelve month period to 31 December 2020, with around 50,000 successful treatments to date

HIGHLY CREDENTIALED TEAM

The Company has a highly credentialed, collaborative and experienced team to progress the commercialisation and expansion of the Company's technology

ROBUST CASH POSITION TO DRIVE GROWTH

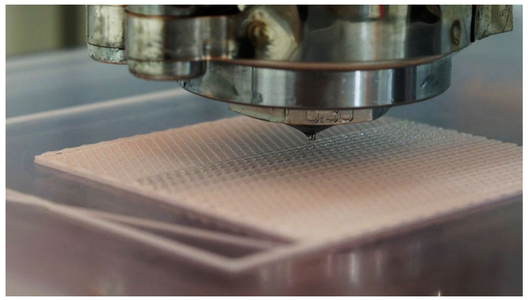
Shares on Issue [A]	**117.2m**
Total Options on Issue [B]	13.1m
Market Cap @ $0.44c [C]	**$51.5m**
EV @ $0.44 [C]	$42.5m
CASH BALANCE [D]	**$9.0m**
FY20 Average Quarterly Net Operating Cash Used	($388k)

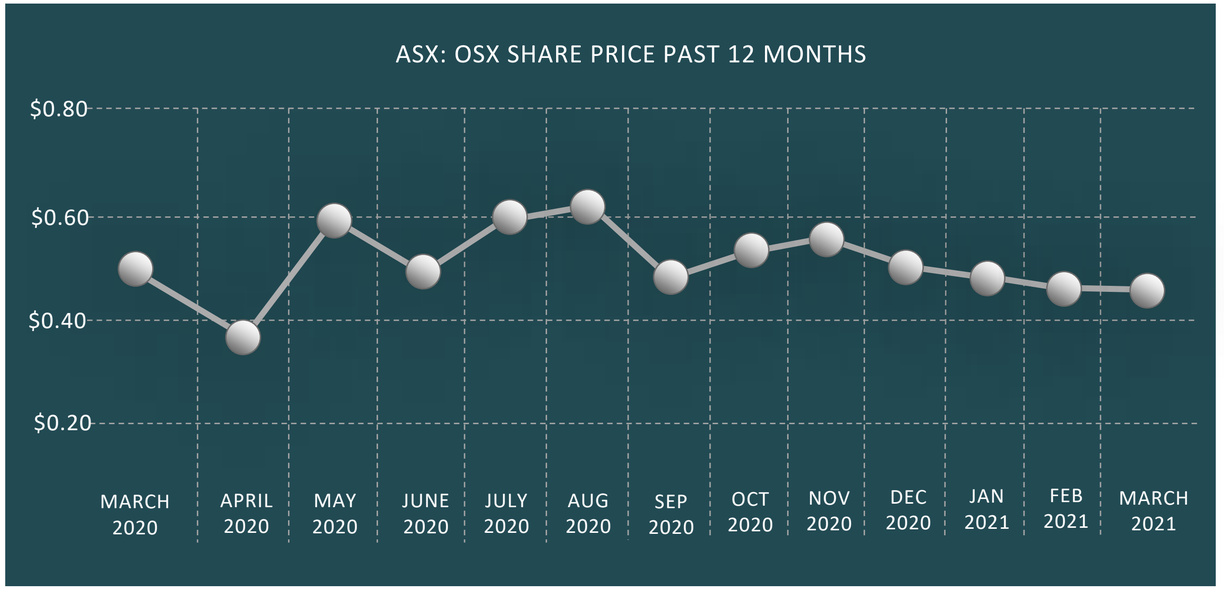
A: Shares on Issue includes 16.0m placement shares in August 2020.

B: 9.7m options with an exercise price of $0.25 and an expiry date of 30 June 2022, 0.4m options with an exercise price of $1.00 and an expiry date in December 2022, 3m options with exercise price of $1.20 and expiry August 2023. Option incentives held by executive management, directors & advisors.

C: Market Close, 1 March 2021

D: Cash balance at 31 December 2020





HIGHLY CREDENTIALED TEAM

GOH KHOON SENG

CEO

- 30-year career spanning both start-ups and global multinational corporations
- The last 20 years were at Medtronic Inc Inc and Edwards Lifesciences Asia

TEOH SWEE HIN

Non-Exec Director

- Co-founder of Osteopore
- Prof. Teoh has deep research experience in load bearing scaffolds for tissue regeneration and remodeling

BRETT SANDERCOCK

Non-Exec Chairman

- Current CFO of Resmed (ASX:RMD / NYSE: RMD)
- Senior executive at Norton Abrasives (Saint-Gobain)

GEOFF POCOCK

Non-Exec Director

- 20 years corporate finance and technology commercialisation experience
- Formerly Managing Director of Hazer Group Ltd (ASX:HZR) and Non-Executive Director of ASX listed and private companies

STUART CARMICHAEL

Non-Exec Director

- Partner of Ventnor Capital
- Non-Executive Chairman and Director of various ASX listed entities

CARL RUNDE

Chief Financial Officer

- Former Vice President Corporate Systems and FP&A at ResMed (NYSE:RMD / ASX:RMD)
- Over 20 years of international experience as a finance business partner in commercial, R&D, and manufacturing functions in the medical device industry

BREAKTHROUGH BIORESORBABLE PRODUCTS FOR MULTIPLE APPLICATIONS

Osteoplug™

Implant that is used for covering Burr Holes (holes in skull) after neurosurgery

REGULATORY APPROVAL

SALES GENERATING

Osteomesh™

Implant used in craniofacial surgery to repair bone in the skull, neck and jaw, including repairing orbital floor fractures

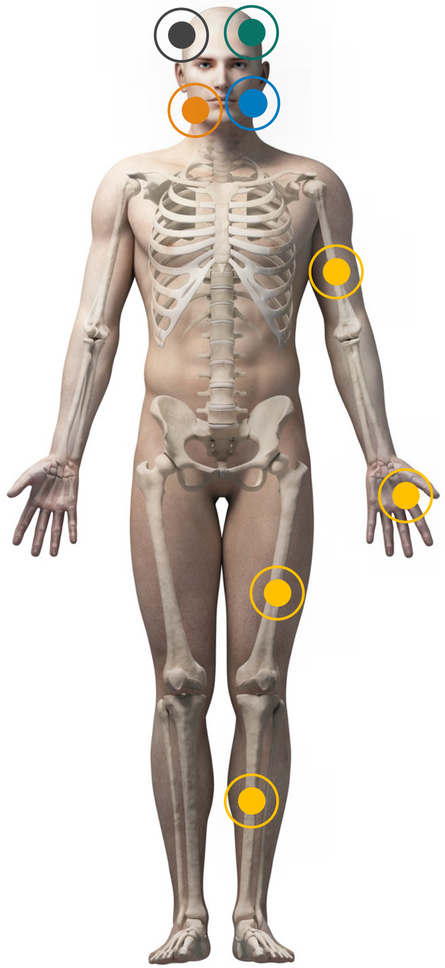
REGULATORY APPROVAL

SALES GENERATING

OSTEOPORE PSI

Custom-designed patient specific implants used throughout the body

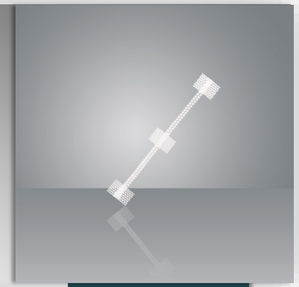
SALES GENERATING



Osteostrip

Implant that is used to fill the void following a craniotomy (the surgical removal of part of the bone from the skull to expose the brain)

REGULATORY APPROVAL

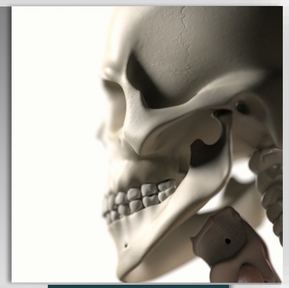


SALES GENERATING

DENTAL

Dental plug which promotes vertical bone growth in the jaw following tooth removal

REGULATORY APPROVAL *

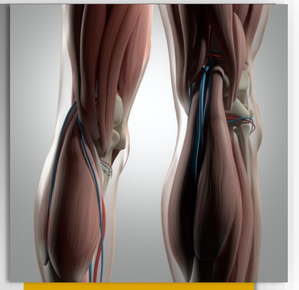


SALES GENERATING

ORTHOPAEDIC

A scaffold used in a range of orthopaedic procedures, where significant lengths of long bones have been damaged

INVESTIGATIVE DEVICE



SPECIAL ACCESS SALES

*Regulatory approval in Singapore

HOW OUR IMPLANTS FACILITATE BONE GROWTH

1

BURR HOLE IS DRILLED

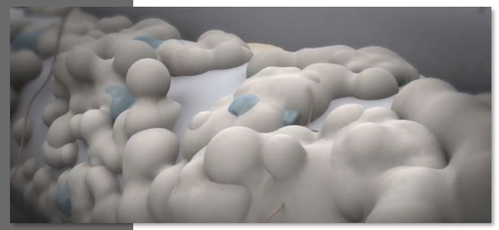
Patients needing surgical repair for skull fractures usually receive a “burr hole” during surgery, which is drilled into the skull to relieve pressure often resulting from hemorrhage

2

IMPLANT DRAWS IN BLOOD

Osteopore’s proprietary 3D printed polymer scaffold is is made up of biomimetic microstructures that allow blood to be drawn into the implant before inserting

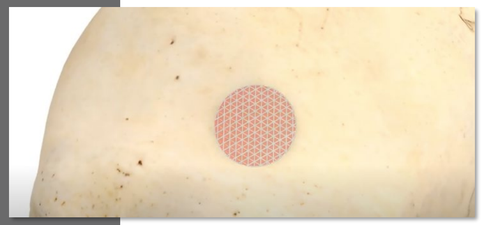
3



BONE GROWS ON SCAFFOLDS

Once in the skull the scaffold attracts cells and blood vessels, facilitating bone growth in-between the microstructures

4



IMPLANT DISSOLVES

The implants naturally and predictably dissolve over a period of 18-24 months to leave only natural healthy bone

SUPERIOR PRODUCTS FOR LARGE GLOBAL MARKETS

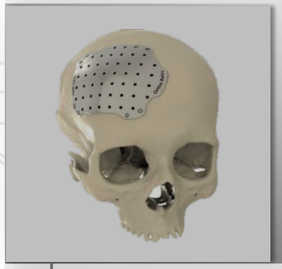
TRADITIONAL PROCEDURES

BONE GRAFT

A surgical procedure where bone material is harvested from the patient's own body and applied to the area to promote bone healing

- Potential for **infection** and lasting pain at harvest site
- Potential for body to **completely absorb the graft** with no bone regeneration

US$3.9bn
Bone Graft Substitutes Market by 2025



PERMANENT IMPLANTS

Used for a wide variety of different bone replacement / repair applications and are made from metal, ceramic and polymeric materials

- **Non-biodegradable** with a high potential for post surgical complications
- **Difficult to micro-adjust** for a better fit during the surgical procedure

US$100bn
Permanent Implant Sales

Osteopore®

- **Highly customisable** to biomimic different bone types
- Proven to be effective in ~50k procedures
- **Naturally dissolves** over a predictable time frame
- Leaves only **healthy** bone tissue
- **Extremely low** post surgery complication rates to date
- **Unlikely** inflammation or infection

Implants can be easily modified **during surgery** for a more custom fit

Source for market size data: Allied Market Research, BCC Research

Osteopore's current market penetration is evident in its annual revenue figures announced on 26 Feb 2021 and in subsequent financial reporting. Osteopore cautions investors that there are regulatory barriers and unique access challenges associated with entry into new markets, which may adversely impact entities' ability to access such markets.

IMPROVED PATIENT OUTCOMES & LOWER HEALTHCARE COSTS

- Osteopore products address an unmet clinical need by providing readily adaptable implants and reducing complication rates after surgery
- Provides hospitals, clinicians and patients with a proven solution that expediates recovery and lowers costs that may occur with traditional procedures in the event of complications

Bone Graft **6 – 19%** [1,2,3]

REPORTED COMPLICATION RATES

Permanent Implants **25 – 33%** [4,5,6]

REPORTED COMPLICATION RATES

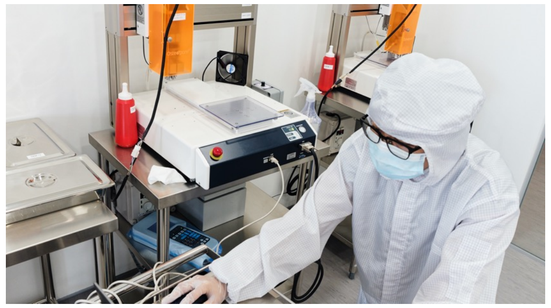
Osteopore™ **0.01%**

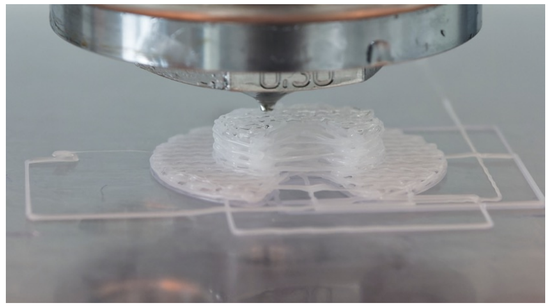
Sources located in in Appendix slide

SCALABLE & CUSTOMISABLE MANUFACTURING

All Osteopore products are fabricated in-house using proprietary 3D printing technology

- Rapid design, manufacturing and delivery of implants to anywhere in the world
- Unique low cost manufacturing process
- Ability to print autonomously at scale
- Increase or decrease production depending on global demand for different surgeries
- Maintains IP advantage and keeps trade secrets within the company





- Expanded manufacturing space by 100% in 2020
- Increased the number of printers from 8 to 14 to meet growing demand
- Increased the depth and breadth of expertise at all organisational levels

COMMERCIAL STRATEGY THAT BUILDS VALUE

#1 ACCELERATE REVENUE GROWTH

Revenue growth from our current product range is the highest corporate and commercial priority and will remain the focus throughout the lifecycle of the company

Osteoplug™

Osteomesh™

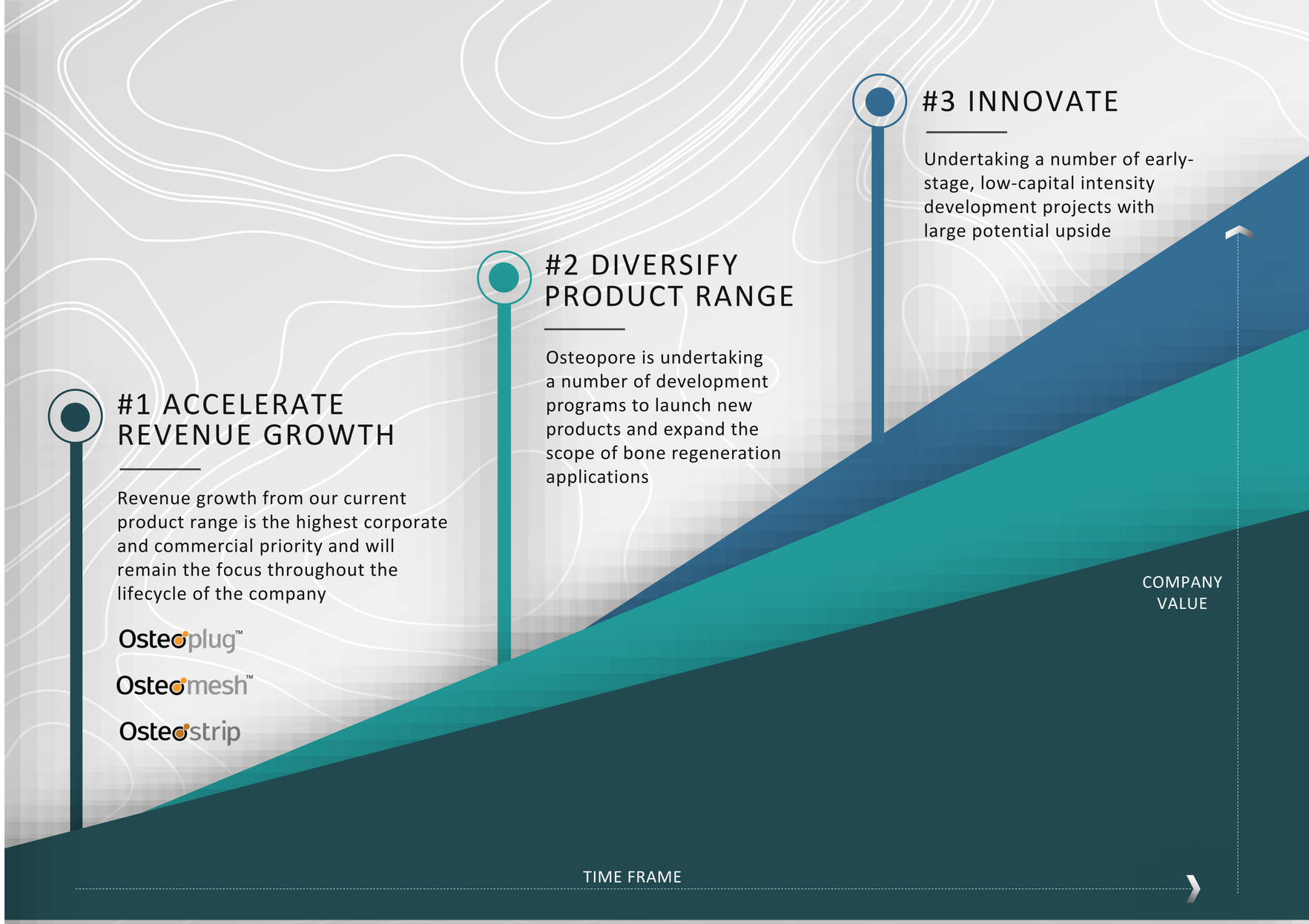
Osteostrip

#2 DIVERSIFY PRODUCT RANGE

Osteopore is undertaking a number of development programs to launch new products and expand the scope of bone regeneration applications

#3 INNOVATE

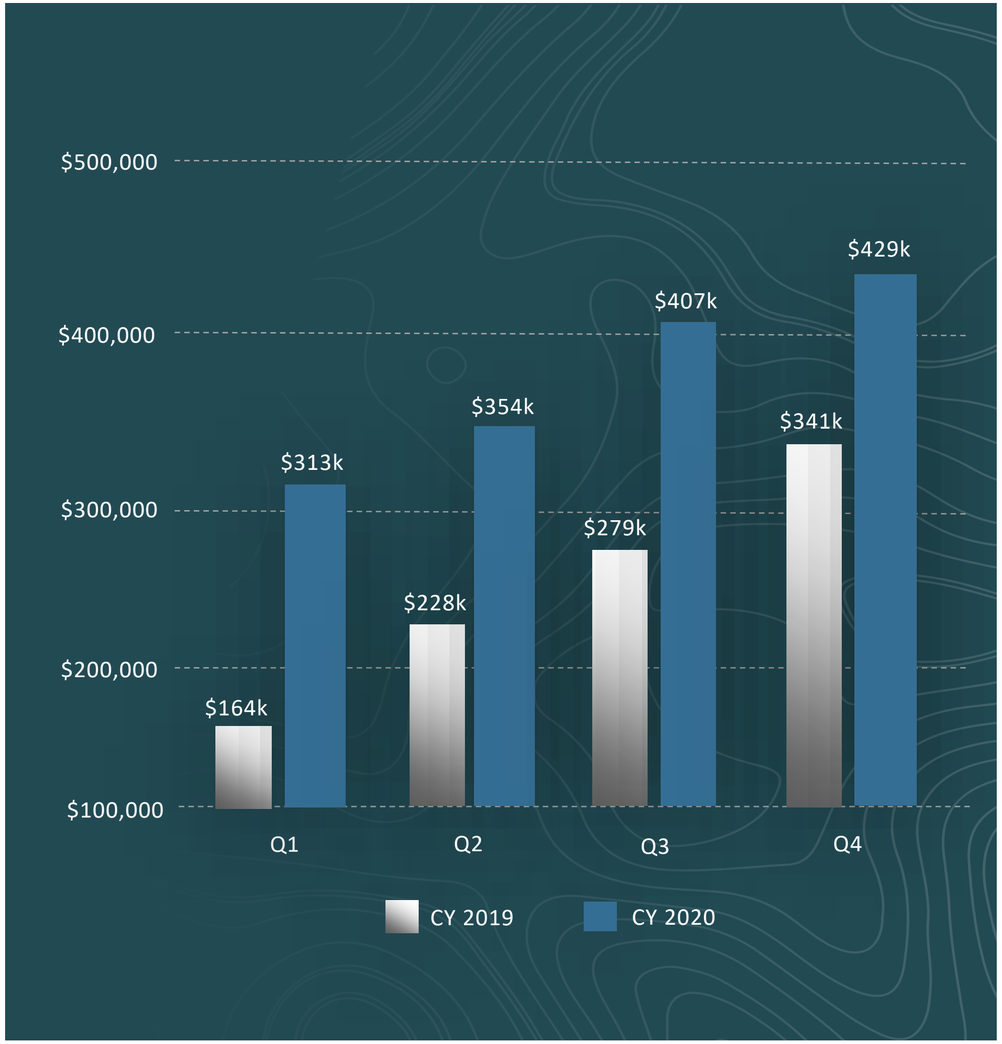
Undertaking a number of early-stage, low-capital intensity development projects with large potential upside



ACCELERATE REVENUE GROWTH

4X CONSECUTIVE QUARTERS OF REVENUE GROWTH

- Revenue providing a solid commercial foundation to build from, with the strategy in place to scale
- Achieving sales growth (41% cc YOY) despite healthcare and hospitals being disrupted due to COVID-19

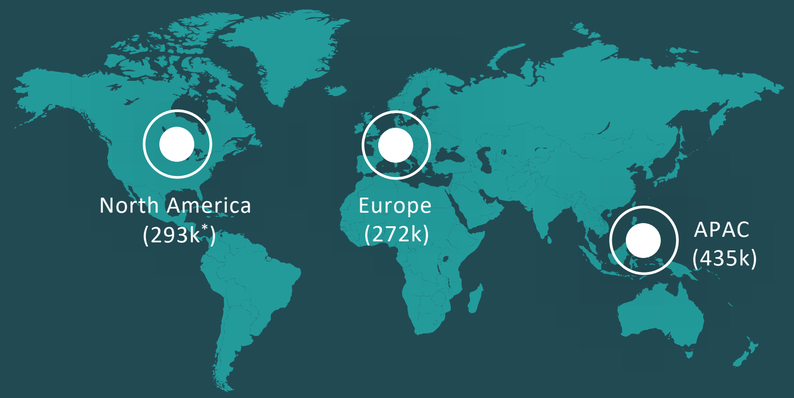


EXPANDING DISTRIBUTION NETWORK

23 | DISTRIBUTION PARTNERS

13 | PARTNERS SECURED IN 2020

CURRENTLY TARGETING **~1.1 million**[7] CRANIAL PROCEDURES GLOBALLY



REVENUE GROWTH STRATEGY

Leverage distribution partnerships in the key markets to accelerate revenue growth

Ensure sales teams and surgeons are educated and supported to drive adoption and sales

Leverage early adopters in sales and marketing campaigns to achieve product sales momentum

Increase underlying revenue through a mix of geographic expansion and adjacent clinical applications

* In brackets, the number of cranial procedures undertaken in 2020.

SCALABLE OPPORTUNITY

- Osteopore has superior off-the-shelf products products that can be manufactured at scale and is used in over 1.1m procedures globally
- Long shelf-life products that can be stocked in a hospitals inventory system

SURGERY TYPE	TOTAL NUMBER OF SURGERIES IN 2020 [7]
Craniotomy / Craniotomy closure	359,428
Burr hole for hematoma evacuation	302,570
Craniectomy	89,134
Burr hole for shunt placement	74,203
Endoscopic third ventriculostomy	65,730
Cranioplasty	51,247
Skull base repair	48,958
Burr hole for drain placement	46,413
Burr hole for biopsy	33,520
Cranial reconstruction	19,897
Craniosynostosis repair	11,588
USG guided external ventricular drain insertion	3,845
Burr hole for exploration	3,229
TOTAL	1,109,764

Sources located in in Appendix slide

FOUNDATIONAL MARKETS

ASIA

- Well established and experienced distribution partner network in South Korea, Vietnam, Singapore and Australia
- 2020 constant currency year-on-year revenue growth of 39%
- Expanded range of clinical applications, including aesthetic surgery
- Emerging dental application sales in Singapore
- Orthopaedic application clinical trials underway in Singapore, Vietnam and Malaysia

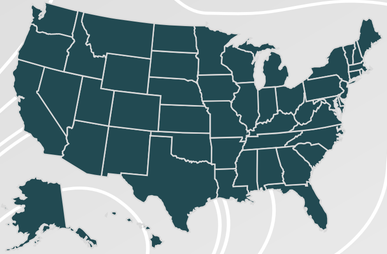
AUSTRALIA & NZ

- Hired dedicated Business Development person in Sydney Australia
- Signed Australian & NZ distribution agreement with LMT Surgical
- Education and training for LMT sales team
- Achieve initial sales
- Support clinical trial for dental application

PRIORITY MARKET EXPANSION

Europe + UK

- Signed German-Austrian Distribution Agreement with MTG Medizintechnik Göhl GmbH
- Initial stocking order for Osteopore products from MTG Medizintechnik Göhl GmbH
- Identify & engage with Key Opinion Leaders surgeons across broader Europe + UK
- Achieve initial stocking orders



USA

- Signed US Distribution Agreement with Bioplate
- First “stocking” order with Bioplate
- Education and training for Bioplate sales team
- Secure additional U.S. distribution partnerships to cover more states
- Initiate 510k regulatory approval for dental and orthopedic products

CHINA

- Signed Co-operation agreement with Boao Yiling Life Care Centre in China
- Establish a subsidiary in the Suzhou Industrial Park as the first step towards obtaining Chinese regulatory approval
- Prepare NMPA dossier for regulatory approval

JAPAN

- Identify and engage KOL surgeons interested in adopting Osteopore products
- Identify potential distribution partners with strong ties to hospitals specialising in craniofacial procedures
- Develop the necessary education and training materials
- Achieve initial stocking order

DIVERSIFYING PRODUCT RANGE

DENTAL

Osteopore has developed an enhanced bioresorbable 3D-printed dental plug which promotes bone growth in the jaw, reducing the likelihood of bone shrinkage after tooth extraction.

Currently, patients requiring dental implants have to wait 3-6 months for bone to grow in the tooth socket after extraction.

Osteopore aims to deliver a shorter, reliable and less painful treatment process as the plugs are placed immediately after extraction, eliminating the need for bone grafts.[8, 9]

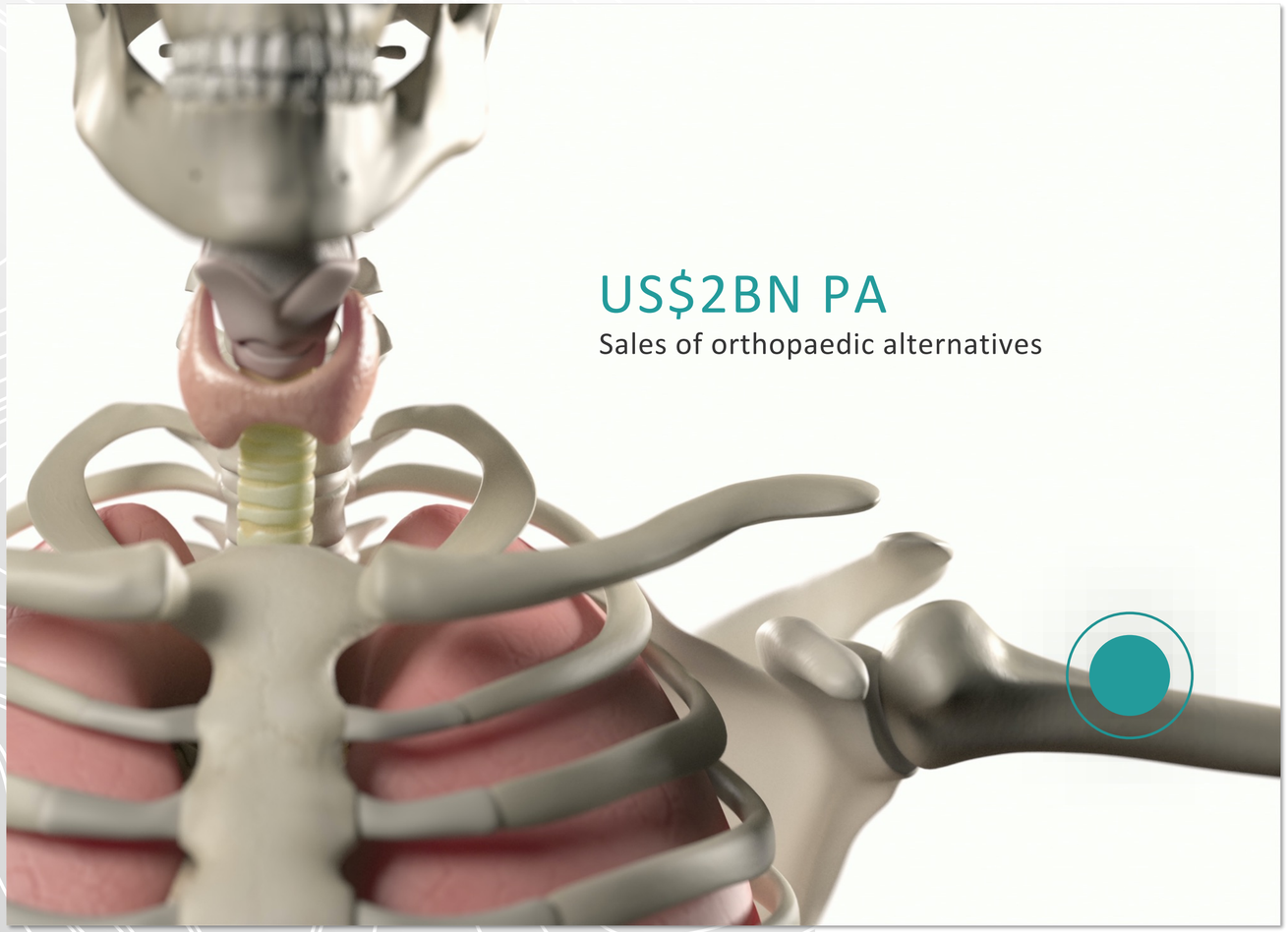
- Lab Development ✓
- Pre-Clinical Trials ✓
- Clinical Trials — ongoing
- Regulatory Approval — Singapore
- Sales — Singapore

LIMITED SALES IN SINGAPORE

PURSUING TGA & USFDA
510K CLEARANCE & CE MARK

US$1BN PA
DENTAL BONE GRAFT
ALTERNATIVES MARKET

Source for market size data: Allied Market Research, BCC Research



ORTHOPAEDIC

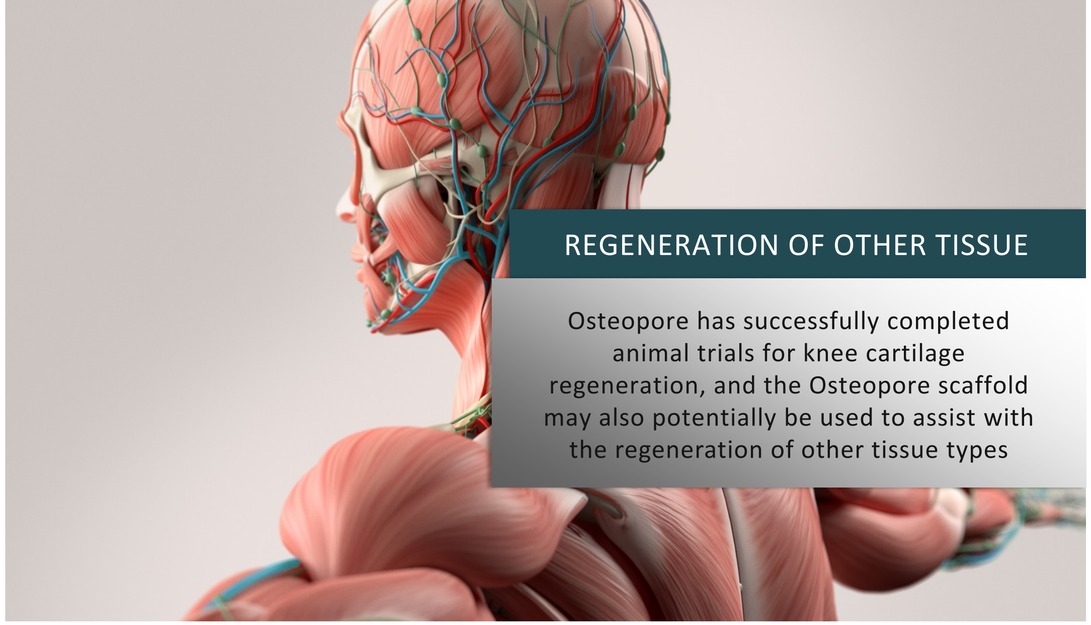
Osteopore has successfully conducted first in human trials using the Osteopore scaffold in a range of orthopaedic procedures, where significant lengths of long bones have been damaged or diseased.

The Osteopore scaffold has recently demonstrated significant clinical success in tibia regenerations in Australia and Germany.[8, 10]

- Lab Development ✓
- Pre-Clinical Trials ✓
- Clinical Trials — ongoing
- Regulatory Approval
- Sales

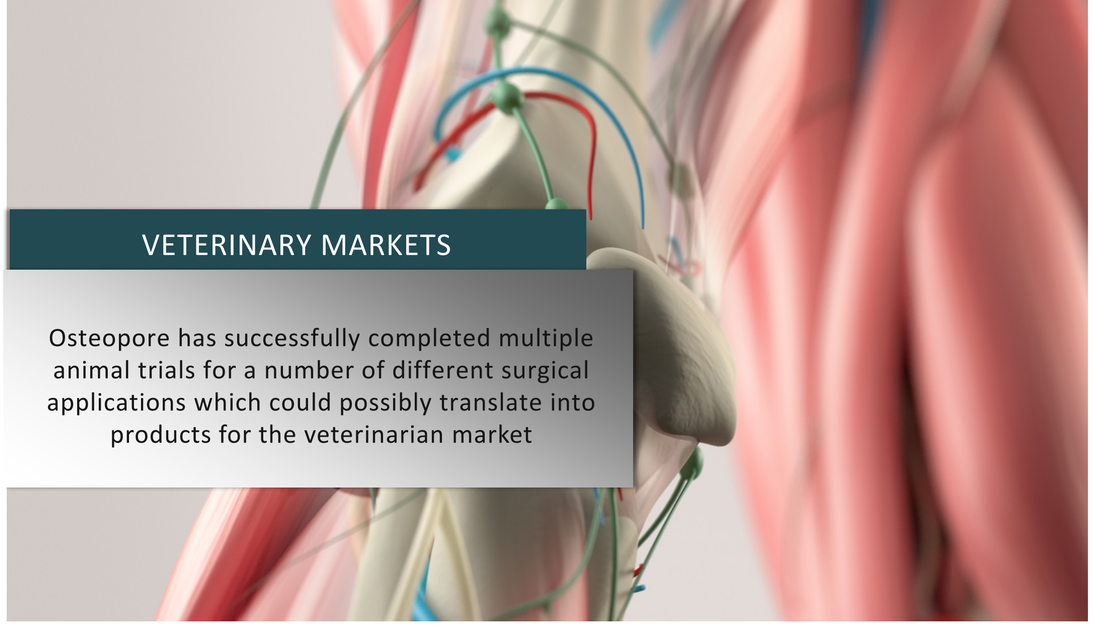
Source for market size data: Allied Market Research, BCC Research


INNOVATE



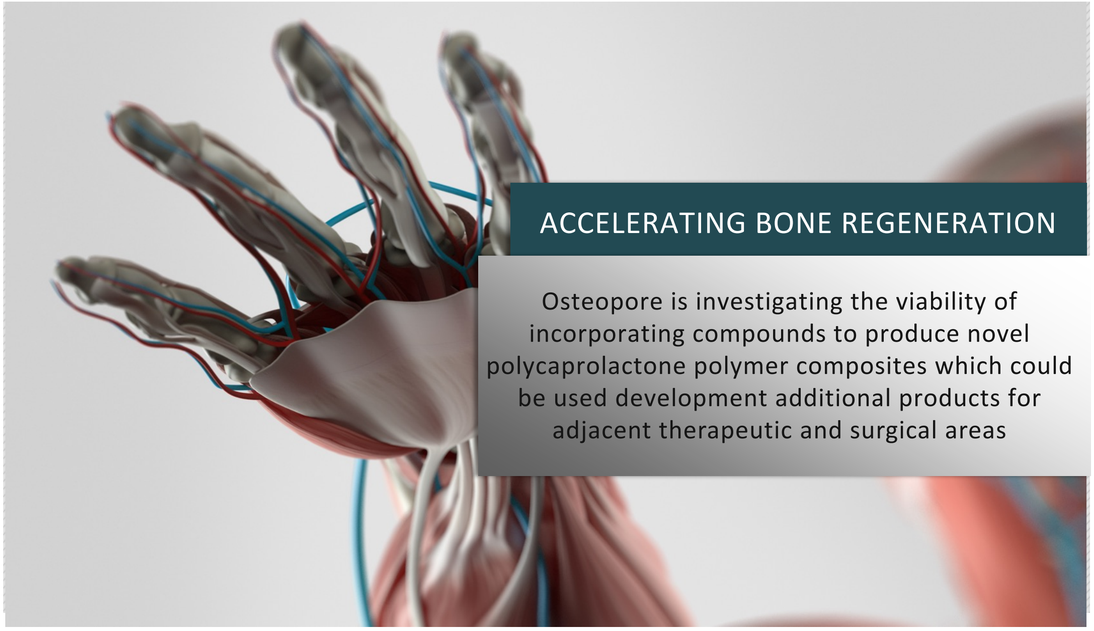
REGENERATION OF OTHER TISSUE

Osteopore has successfully completed animal trials for knee cartilage regeneration, and the Osteopore scaffold may also potentially be used to assist with the regeneration of other tissue types



VETERINARY MARKETS

Osteopore has successfully completed multiple animal trials for a number of different surgical applications which could possibly translate into products for the veterinarian market



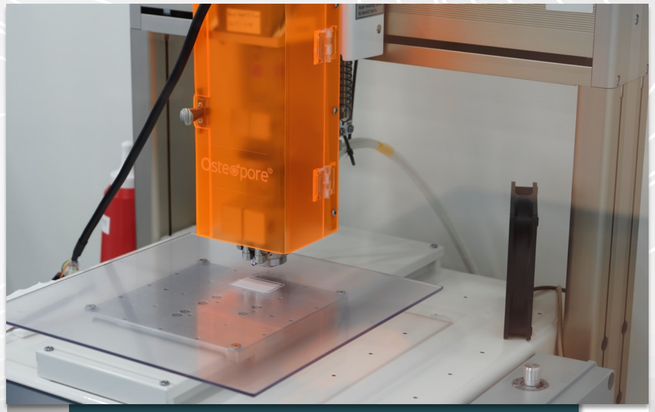
ACCELERATING BONE REGENERATION

Osteopore is investigating the viability of incorporating compounds to produce novel polycaprolactone polymer composites which could be used development additional products for adjacent therapeutic and surgical areas

INNOVATE

Osteopore is conducting several early-stage research initiatives with high quality institutions that could present significant commercial opportunities.

2021 COMMERCIAL PRIORITIES



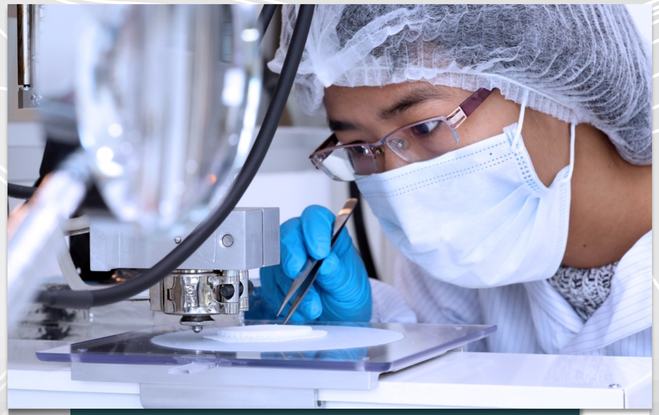
ACCELERATE REVENUE GROWTH

Leverage cranial and maxillofacial products with regulatory approval in significant Markets:

- Asia
- USA
- Germany
- Australia & NZ
- Scandinavia

Establish a presence in new markets with a high volume of relevant procedures:

- China
- UK
- Japan



DIVERSIFICATION

Leverage dental product regulatory approval in Singapore to drive sales in Asia

Initiate a dental clinical trial in Australia as the basis for TGA product approval

Initiate FDA approval for dental and orthopaedic products for sale in the USA

Initiate regulatory approval for rhinoplasty in Korea

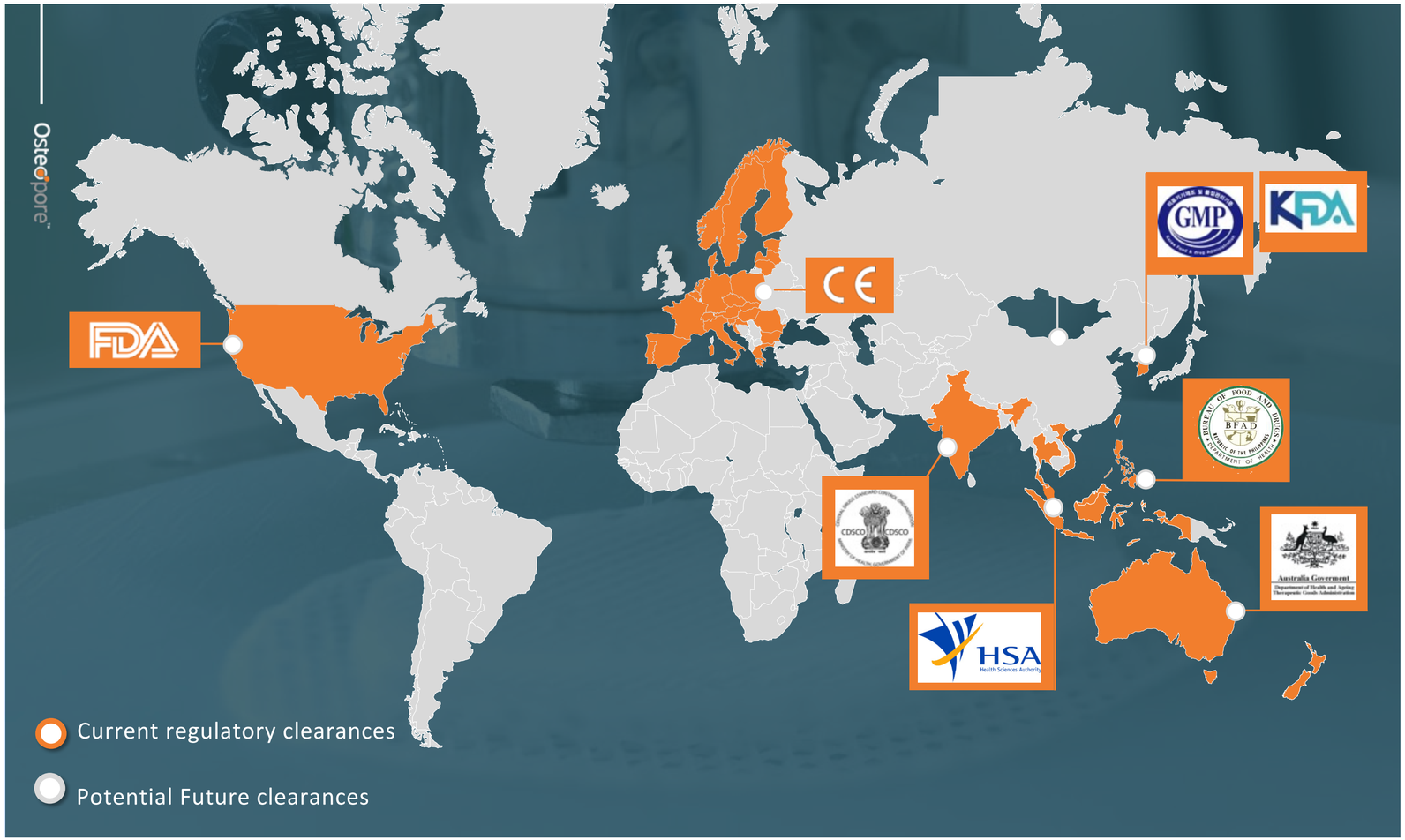
INNOVATION

Experiment with promising novel compound combinations, including PCL-TCP and PCL-TCP-Mg, facilitating bone and cell growth to improve healing time and patient outcomes

Engage with Terumo BCT to explore the opportunities to combine Osteopore's resorbable biomimetic scaffolds with Terumo's autologous biologics

Continuously improve manufacturing efficiency using proven technological improvements in 3D printing to cost effectively scale production

APPENDIX



GLOBAL REGULATORY APPROVAL

Osteopore is working towards necessary regulatory approval to expand sales in additional target jurisdictions including;


Brazil


China


Colombia


Egypt


Israel


Japan


Jordan


UAE


UK

SOURCES

1 Dimitriou, R., Mataliotakis, G. I., Angoules, A. G., Kanakaris, N. K., & Giannoudis, P. V. (2011). Complications following autologous bone graft harvesting from the iliac crest and using the RIA: a systematic review. *Injury*, 42, S3-S15.

2 Younger, E. M., & Chapman, M. W. (1989). Morbidity at bone graft donor sites. *Journal of orthopaedic trauma*, 3(3), 192-195.

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