

17 July 2025

First QCH temporal hollowing study patient receives implant

Highlights

- On 23 May 2025, Osteopore and Queensland Children's Hospital (QCH) launched a clinical study for the treatment of temporal hollowing in 5 paediatric patients.
- Osteopore is delighted to recruit its first patient, who received the implants on 14 July 2025.

Australian-Singaporean regenerative medicine company **Osteopore Limited** (ASX: OSX; **Osteopore** or the **Company**) – a global leader in 3D-printed biomimetic and bioresorbable implants – is delighted to announce the recruitment of its first patient for the Queensland Children's Hospital (QCH) single-arm clinical study to treat temporal hollowing in children following cranial vault remodelling surgery for craniosynostosis.

On 14 July 2025, the patient received the implants.

Temporal hollowing, which is a noticeable depression in the lateral forehead and temple area, can occur in up to 30-40% of patients following cranial vault remodelling surgery. Cranial vault remodelling is a common surgical procedure designed to correct skull contour abnormalities. Craniosynostosis is a congenital condition in which the bones of a child's skull fuse prematurely, potentially leading to an abnormal head shape and neurological complications.

The study will recruit up to 5 patients by the end of 2026 with patient follow-up set to continue for 12 months after surgery. The study is supported by Maddox's Helping Hand Foundation

(MHF), which supports the Australian Centre for Complex Integrated Surgical Solutions (ACCISS).

The study seeks to assess the feasibility of using a 3D-printed, patient-specific polycaprolactone-tricalcium phosphate (PCL-TCP) onlay scaffold – combined with bone marrow aspirate and platelet-rich fibrin (PRF) – to restore the frontotemporal contour in children who have undergone cranial vault remodelling surgery.

Commenting on the recruitment of the first patient, who has now receiving the implants, CEO Dr Yujing Lim, said:

“We are glad that the collaboration has got off to an early start, as patient recruitment typically takes time.

“With the clinical community moving towards regenerative healing, Osteopore is glad to be among the first movers, especially in providing viable solutions for children.

“We wish all patients a speedy recovery, and look forward to providing more updates as the study progresses,” said Dr Lim.

ENDS

This announcement has been authorised for release to the ASX by the Board of Osteopore Limited.

For more information, please contact:

Dr Yujing Lim
Chief Executive Officer
Osteopore Limited
E: lim_yujing@osteopore.com

Isaac Stewart
Media & Investor Relations
Purple
E: istewart@purple.au

About Osteopore Limited

Osteopore Ltd. is a global medical technology company founded in Singapore and listed in Australia that commercialises products designed to enable natural bone healing across multiple therapeutic areas. Osteopore's patented technology fabricates specific micro-structured scaffolds for bone regeneration through 3D printing and bioresorbable material.



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Osteopore's patent-protected scaffolds are manufactured using a proprietary manufacturing technique with a polymer that naturally dissolves over time to only allow natural and healthy bone tissue, significantly reducing the post-surgery complications commonly associated with permanent bone implants. Our 3D printing technology is unique to Osteopore.

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