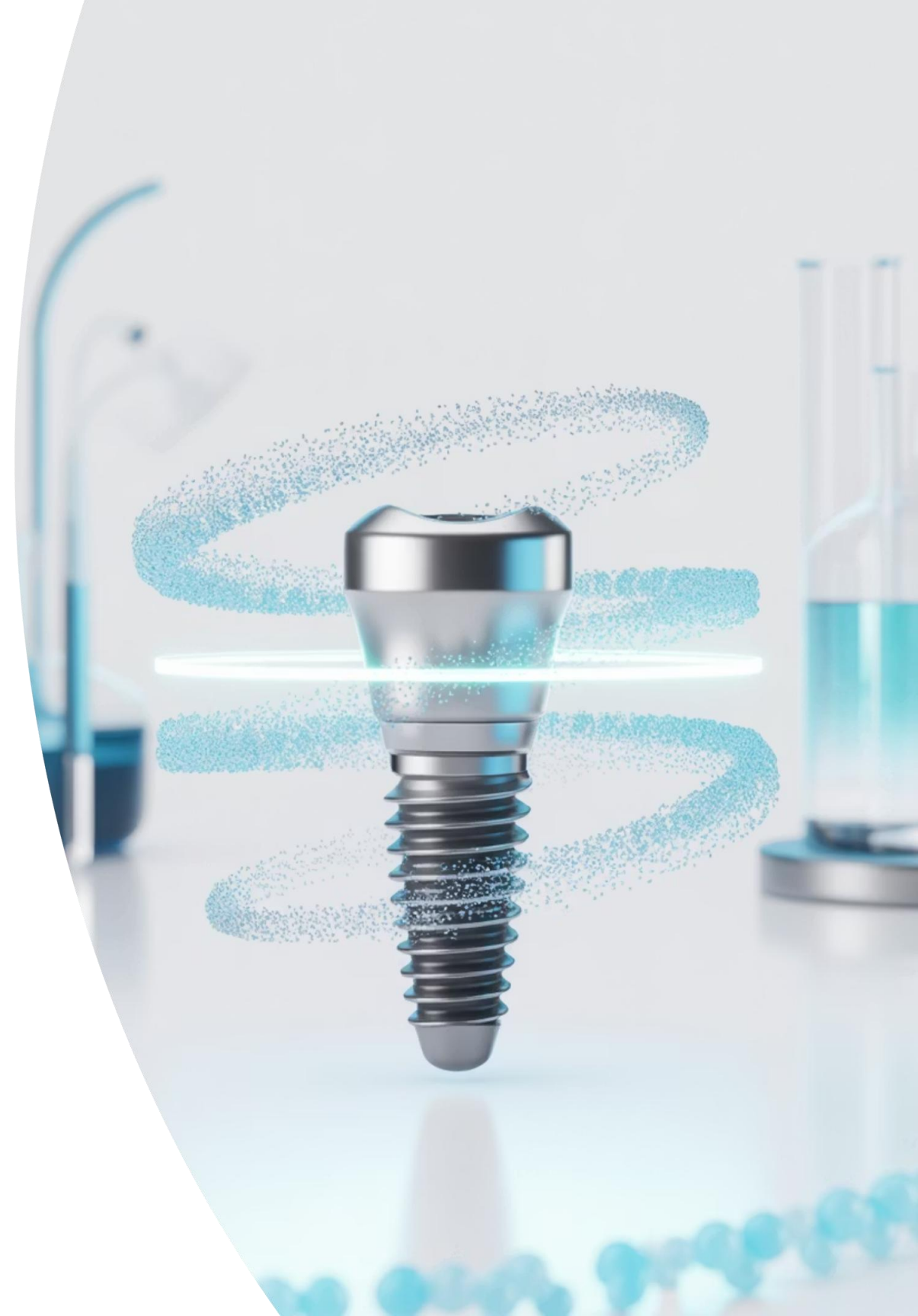


HUMED LIFESCIENCES

"Transforming patient access to Dental Implant treatments to those that need it the most"

JULY 2025



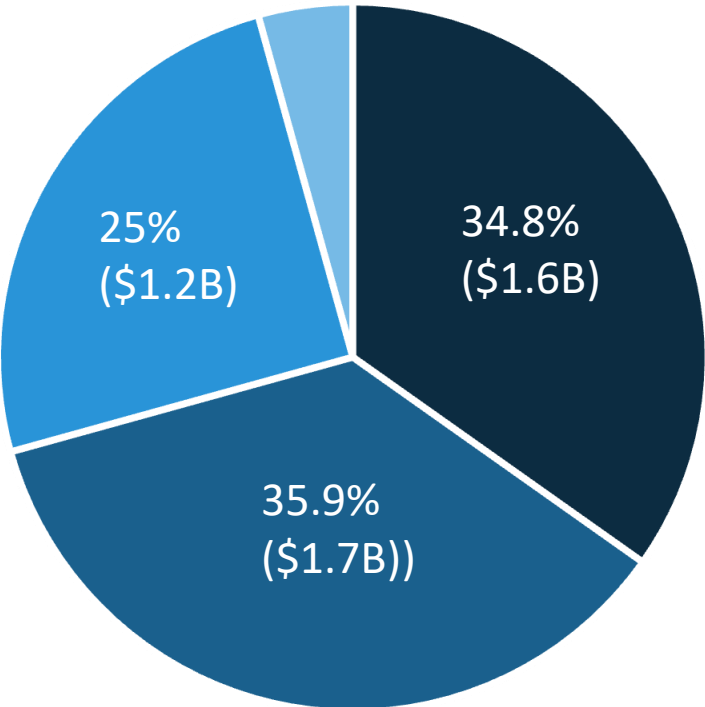
Fundamental Implant Breakthrough in 30+ Years



- Dental implants: Artificial tooth roots replacing missing teeth
- 1980s: Osseointegration breakthrough enabled titanium fusion
- Three decades of only minor surface modifications since then
- **HuMed delivers long-awaited structural advancement**

Thriving Market, Billion-Dollar Prizes

\$4.7B Global Dental Implant Market
8.0% CAGR annually and \$7.0B+ expected by 2030



■ North America ■ Europe ■ Asia-Pacific ■ Rest of World

Proven Success Stories
Industry giants with \$2-25B market capitalizations

Company	Revenue	Market Cap	Note
Straumann	~\$1.7B	\$18.5B	Global NO.1
Envista	~\$1.0B	\$3.1B	40% Implant
Ostem	~\$0.6B	\$2.3B	Asia NO.1
Dentsply Sirona	~\$0.5B	\$3.1B	Equipment Focus
Zimmer Biomet	~\$0.3B	\$25B	Orthopedics Focus

** Revenue = Estimated implant segment only | Market Cap = July 2025 data*

World's First Hybrid Dental Implant Technology

Revolutionary Bone Ingrowth Technology
US Patented Game-Changing Dental Implant

First-ever Injectable Implant System
*PCT for Global Patent Strategy

US patent application

Publication No. : US2012/0141955A1
Application No. : 13/310,934
Inventor : Do-Gyoon Kim
Assignee : The Ohio State University
Filed : 12/05/2011
Tech. Center/Art Unit : 3732

Continuation-in-part from 13/310,934

Publication No. : US2015/0230889A1
Application No. : 14/704,295
Inventor : Do-Gyoon Kim
Assignee : The Ohio State University
Filed : 5/5/2015
Tech. Center/Art Unit : 3732

Attorney File No. : OSU 11001
For CIP of : Hybrid Dental Implant

(19) United States
(12) Patent Application Publication (10) Pub. No.: US 2015/0230889 A1
Kim (43) Pub. Date: Aug. 20, 2015

(54) HYBRID DENTAL IMPLANT (52) U.S. CL. CPC: A61C 8/0022 (2013.01); A61C 8/0037 (2013.01)

(71) Applicant: The Ohio State University, Columbus, OH (US)

(72) Inventor: Do-Gyoon Kim, Dublin, OH (US)

(21) Appl. No.: 14/704,295

(22) Filed: May 5, 2015

Related U.S. Application Data

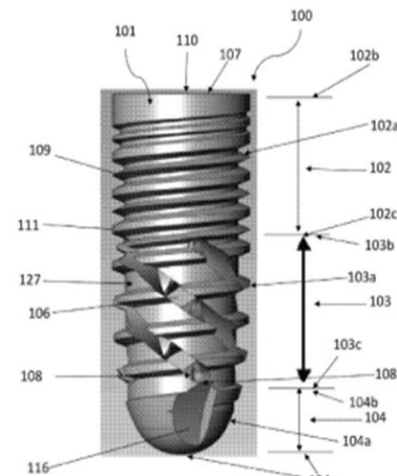
(63) Continuation-in-part of application No. 13/310,934, filed on Dec. 5, 2011.

(60) Provisional application No. 61/419,333, filed on Dec. 3, 2010.

Publication Classification

(51) Int. Cl. A61C 8/00 (2006.01)

The present invention provides for a hybrid dental implant having a screw body with at least one external thread, which comprises an upper portion with an open ceiling configured to receive one or more bone inducing agents and/or therapeutic agents, a middle portion having a hollow inner channel connected to side openings, and a lower portion with a closed floor. The bone inducing agents and/or therapeutic agents are introduced through the open ceiling into the hollow inner channel into the side openings, which enables the bone tissue ingrowth into the hollow inner channel and bone tissue outgrowth from the hollow inner channel to the surrounding bone. It also provides for a method of installing and using the hybrid dental implant thereof.



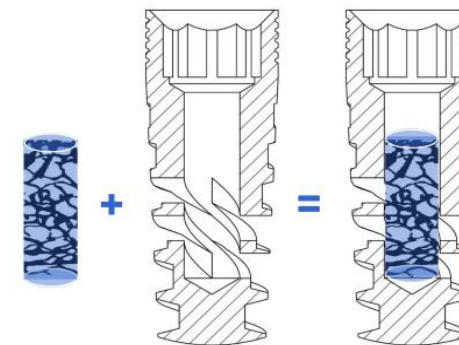
Patent PCT Submission

William "Bill" Pannell
Associate

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MEUNIER CARLIN & CURFMAN IP LAW

999 Peachtree Street NE, Suite 1300 | Atlanta, GA 30309
Office 404-645-7700 Direct 678-771-7792 Fax 404-645-7707



Sheet No.

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214: see Notes to Boxes Nos. VIII, VIII (i) to (iv) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51b(1)(a)(iv))
for the purposes of the designation of the United States of America:

I hereby declare that I believe I am the original inventor or an original joint inventor of a claimed invention in the application.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/US2022/044934 (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that the above-identified international application was made or authorized to be made by me.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name: Do-Gyoon KIM
Residence: Dublin, OH, USA
(city and either US state, if applicable, or country)

Mailing Address: c/o Ohio State Innovation Foundation
1524 North High Street
Columbus, OH 43201 United States

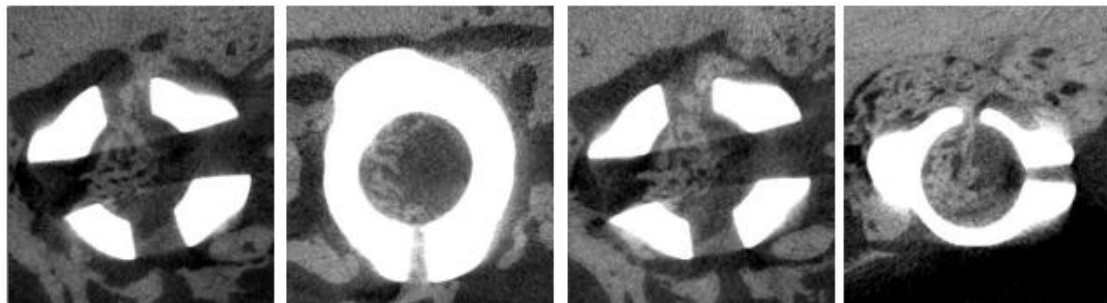
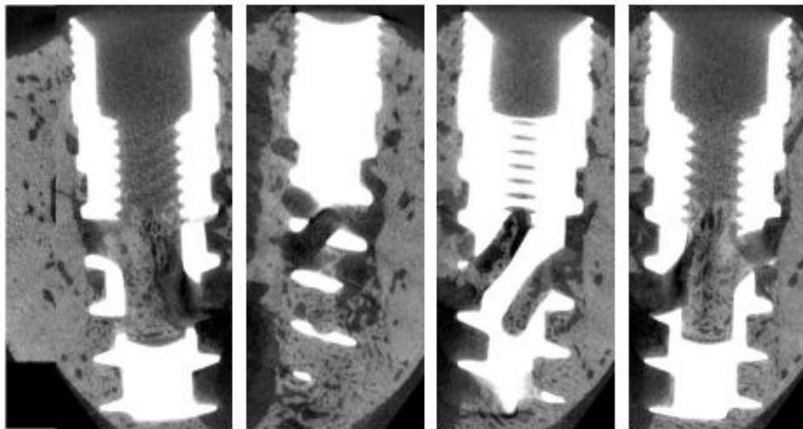
Inventor's Signature: [Signature] Date: 9/28/2022
(The signature must be that of the inventor, not that of the agent)

*PCT = Patent Cooperation Treaty: International filing system enabling patent protection across 150+ countries simultaneously

“Transforming 30 years of implant limitations into breakthrough patient solutions”

Redefining Implant Excellence: Safer, Faster, Simpler

Micro-CT (10 μ m)
– traditional 2
stage implantation
for 6 weeks post-
implantation



40%

Improved Contact

Better bone-to-implant contact
compared to traditional implants

\$3K

Cost Savings

Eliminates bone grafting cost
and 6-month waiting period

3D

Stronger Stability

Enhanced structural stability through
3-dimensional bone ingrowth

100%

Compatibility

Works with existing surgical
instruments and procedures

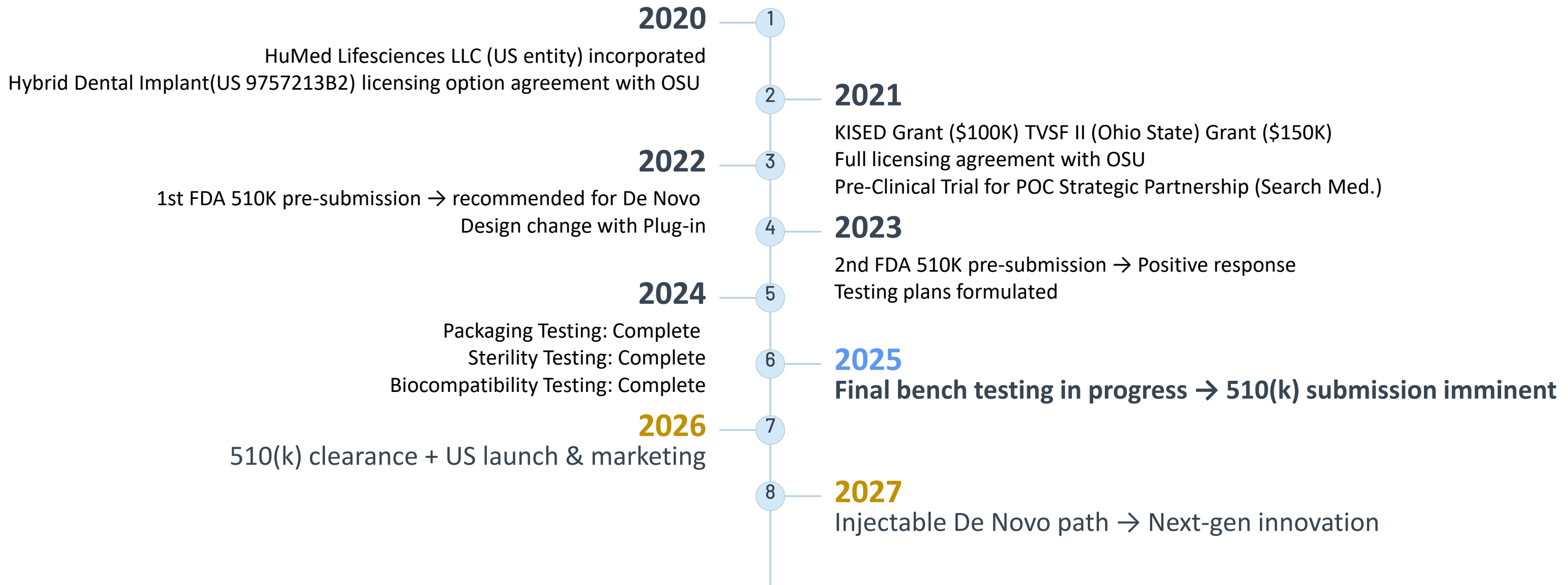
6 weeks after implantation - New bone labels: alizarin red (earlier) and calcein green (later)



**Publication : Journal of Mechanical Behavior of Biomedical Materials (2020)*



Key Milestones on Our Journey



Innovation Excellence Powered by Market Mastery



Hongsuk Kim, CEO

Global commercialization expert,
ex-Samsung/J&J/P&G, Harvard A.M.



Do-Gyoon Kim, CTO, Co-Founder

Ohio State University Professor,
Inventor of Hybrid Implant, 20+ years R&D



Jinyong Oh, Strategic Advisor, Co-Founder

J&J Medical Devices & P&G veteran,
global scaling expert, MIT MBA

Advisory Board

John Y. Hong

DDS, Serial Entrepreneur, Georgia Tech / Northwestern alum

Dr. Sreenivas Koka

Dean, Univ. of Mississippi Dentistry, ex-Mayo Clinic Chair

Paul Fagan

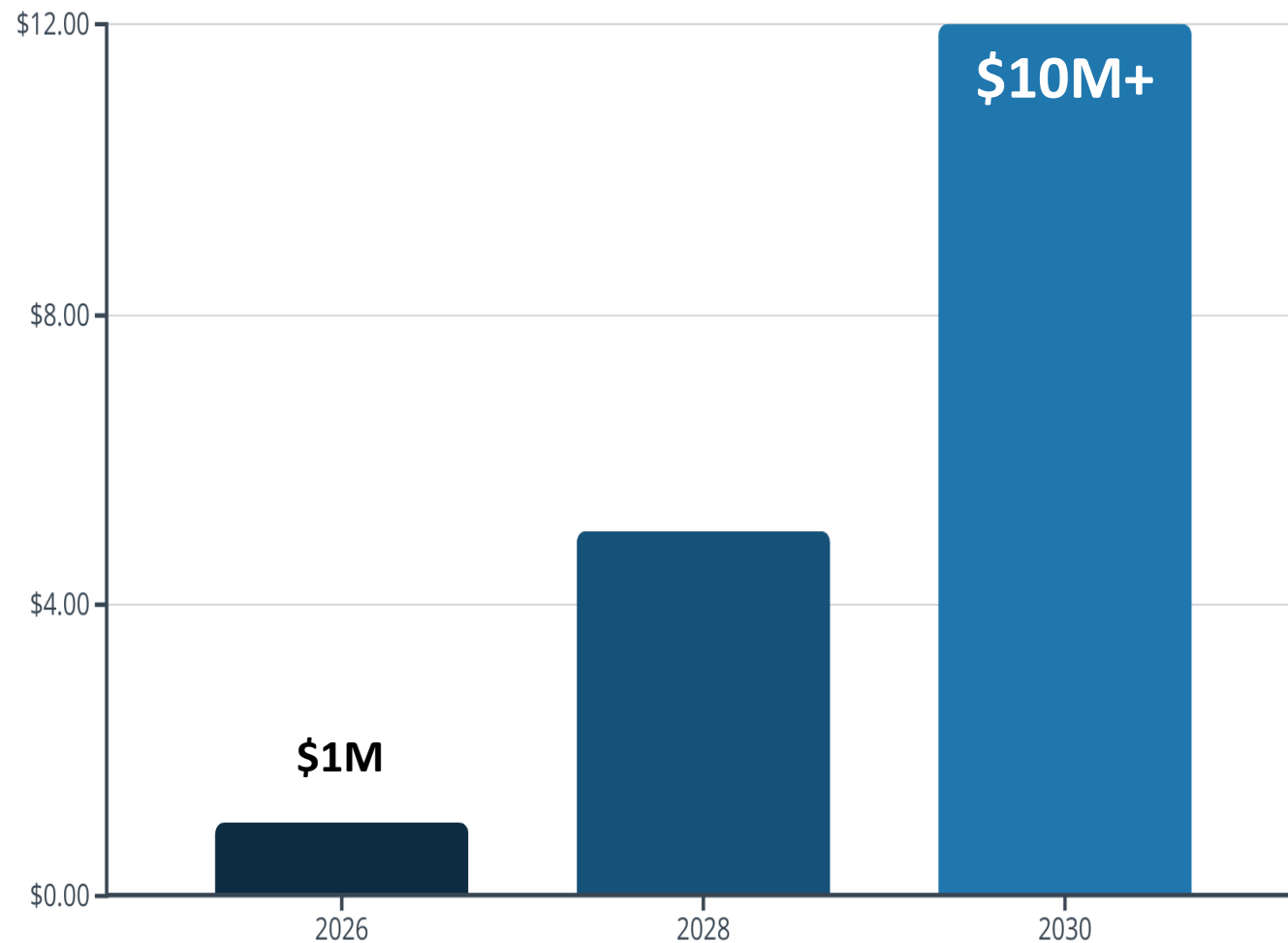
Serial life science entrepreneur, ECM CEO, MIT MBA

Tomas Cole

VP, Dentsply Sirona & Inkbit (3D), MIT MBA

Strategic Market Expansion: Path to \$10M Revenue

4-Year Path to \$10M+ Revenue



Go-To-Market Strategy

Phase 1: Frictionless Adoption

Target: General Practice Dentists (27K)

Same workflow, same cost, revolutionary results

→ *Higher margins & patient satisfaction*



Phase 2: Gateway Enabler

Target: Non-implant General Dentists (108K)

Simplified procedures, enhanced outcomes

→ *Start implants with confidence*



Phase 3: Technical Supremacy & Premium Leadership

Target: Implant Specialists (8K)

Injectable innovation conquering complexity

→ *Simplified procedures & clinical excellence*



Investment Opportunity – Transforming \$4.7B Dental Market

Valuation & Terms

1

Current Valuation

\$8M - \$12M

Conservative peer analysis

2

Investment Opportunity

\$1M - \$2M

8-17% Equity | Q3 2025 Close

Strategic Fund Allocation (24 Months)

R&D & Clinical (35%)

510(k) submission & validation, injectable system optimization

Regulatory & Launch (25%)

FDA approval, quality systems, manufacturing compliance for entry

Sales & Marketing (20%)

Digital platform development, KOL network, early customer acquisition

Manufacturing (15%)

Supply chain establishment & inventory build-up

Operations & Team (5%)

Working capital, key sales/marketing hires & administrative setup

Contact: Hongsuk Kim, CEO | Email: hskim@humedlifesciences.com | Phone: +82 10 – 4053 - 1257