



**Cowellmedi Co., Ltd.**

*The Pioneers in Dental Implant & E.rhBMP-2*

**Company Profile**

**2021**

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## COWELLMEDI Activities

- CIC, COWELL® International Conference
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## INTRODUCTION TO COWELLMEDI

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# For the first time in Korea,

beginning with the localization of dental implants, the company has been leading the biomedical industry with its rhBMP-2 fusion technology.

COWELLMEDI is a leading company of dental healthcare products specialized in dental implants, regenerative materials, instruments, and products for digitally guided implant process.

COWELLMEDI serves dental clinics, laboratories, healthcare institutes, governments and other related sites. COWELLMEDI offers a comprehensive selection of products and services including education, technology trades, commercial consulting services and other extensive solutions.

With the development and localization of **Korea's first dental implant** in 1994, COWELLMEDI became the pioneer of Korea's dental implant industry. COWELLMEDI received a bronze tower medal for the contribution of the development of Korea's first dental implant from Korean government.

COWELLMEDI's efforts over the last 2 decades along with its continuous research have become the core of the country's dental implant industry.

In 2010, COWELLMEDI attracted the world's attention once again by successfully developing **E.coli derived rhBMP-2 bone graft for the first time in the world**. That led COWELLMEDI to become a global company in the biomedical field.



## Help your daily practice superior

COWELLMEDI has been committed to innovating human life based on pushing boundaries of dental healthcare system and changing the way how the world treats the dental healthcare system.

At COWELLMEDI, we are always thinking beyond products. We are pulling all our weight to realize our motto, " Help your daily practice superior ", by providing our best level services and the highest quality products which have been clinical safety, efficacy and reliability proven in multiple clinical cases and studies.

Our motto-oriented services, products and our continuous research on innovation and clinical & scientific networks have let us be one of the greatest companies in world biotechnology industry.

## To achieve optimal and predictable results, we offer you the **COWELL®** Implant Solution

We all know that no single product can suit all medical needs, biological situations, aesthetic requirements and indications.

Factors like, indication, age, hygiene and biological type, bone quality, and treatment plan, require a sophisticated approach with differently coordinated products.

COWELL® Implant Solution include all proven materials such as diverse types of dental implants, instruments, bone substitutes, dermal matrixes and E.rhBMP-2 which can be used in various cases for each specific indication. All products are managed under the highest quality control system.

## Be a partner with us, join us for the ride of a lifetime project

COWELLMEDI is keen to develop relationships with new partners and does look forward to fully exploring how best we can collaborate to deliver mutual benefit. It is our belief that working on a partnership-basis, you will ultimately prove to add value for our business and thereby enhance the customer and patient experience at our attractions.

Partnerships with different organizations are fundamental to our strategic priorities of growing a global business and delivering more products and services of value. COWELLMEDI has a diverse range of partnerships and we are always looking for new opportunities.

One of current key objectives of partnership is to address partner consolidation and also to look at global opportunities for business expansion. COWELLMEDI recognizes that we need to have the right.

Should your business be as ambitious as ours and you believe you can add value for your customers, then we would be delighted for you to continue this process.

## *Come join us for the ride of a lifetime project!*





# OUR CULTURE

## ○ Mission & Vision

Biomedical company that provides “**the simplest, speediest and safest**” products, the most pragmatic and the most convenient services that enhance the quality of human lives superior

## ○ Culture

“**Flat, open and creative**”, these are the keys to the culture that we believe will drive and sustain the success in the future. Everyone has different capabilities and different perspectives that can bring innovations. We need to let them in. Those are where innovations come into play

## ○ Value

A daring spirit as a “**Research Company**” that focuses on research and development



**Trust:**  
COWELLMEDI with the longest experience in Korea produces fine goods that helps you achieve optimal and predictable clinical results

**Education:**  
Committed to training dental professionals with world-class clinicians, lecturers and education curricula

**COWELLMEDI Global Innovation Centre:**  
Research and development on next generation dental implant & rhBMP-2 applied biosimilar

**Accessibility:**  
Products & Services available in more than 60 countries



## HISTORY

### COWELLMEDI HISTORY

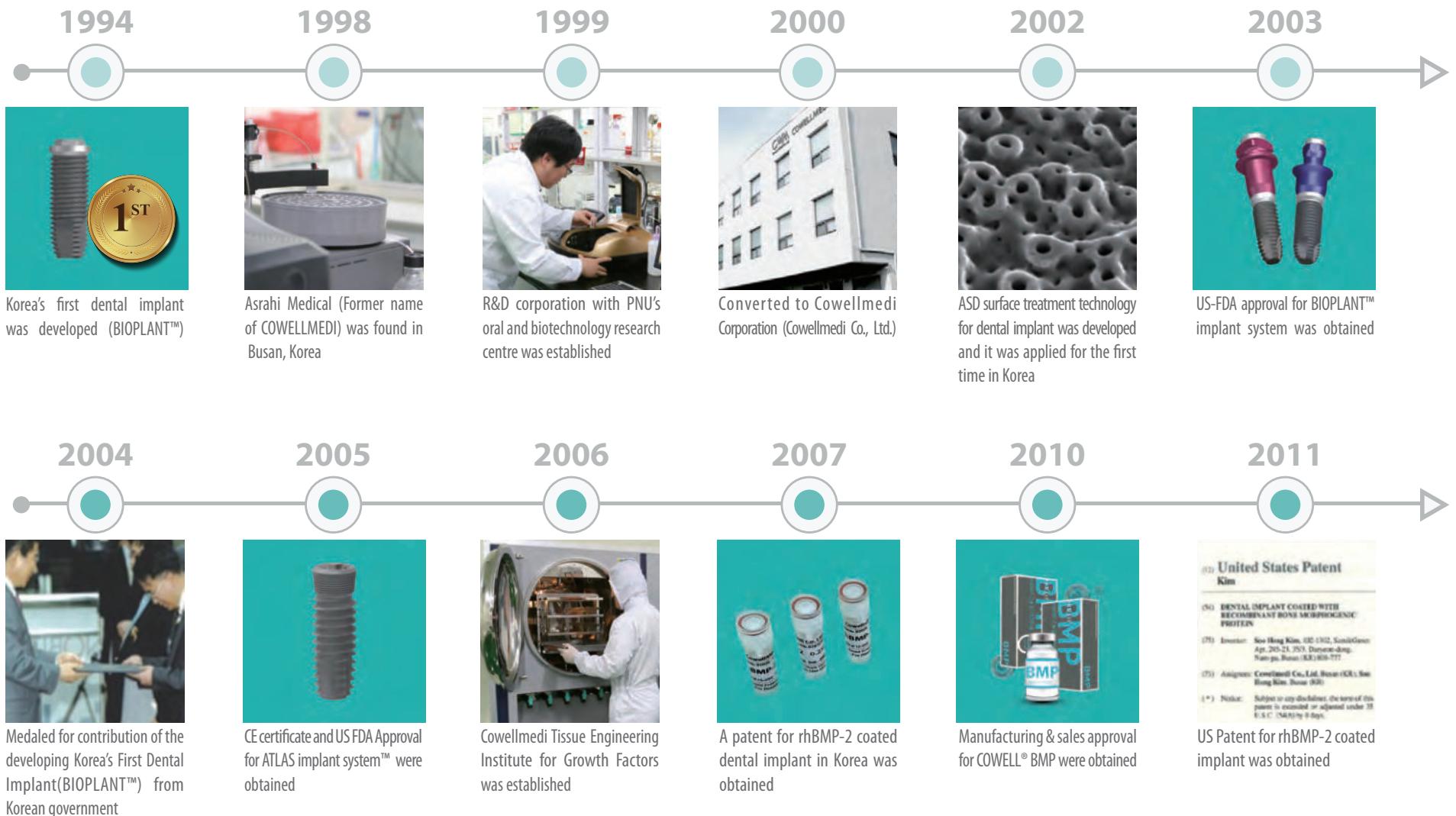
Chronicles of the manufacturer of Korea's first dental implant and World's first E.rhBMP-2

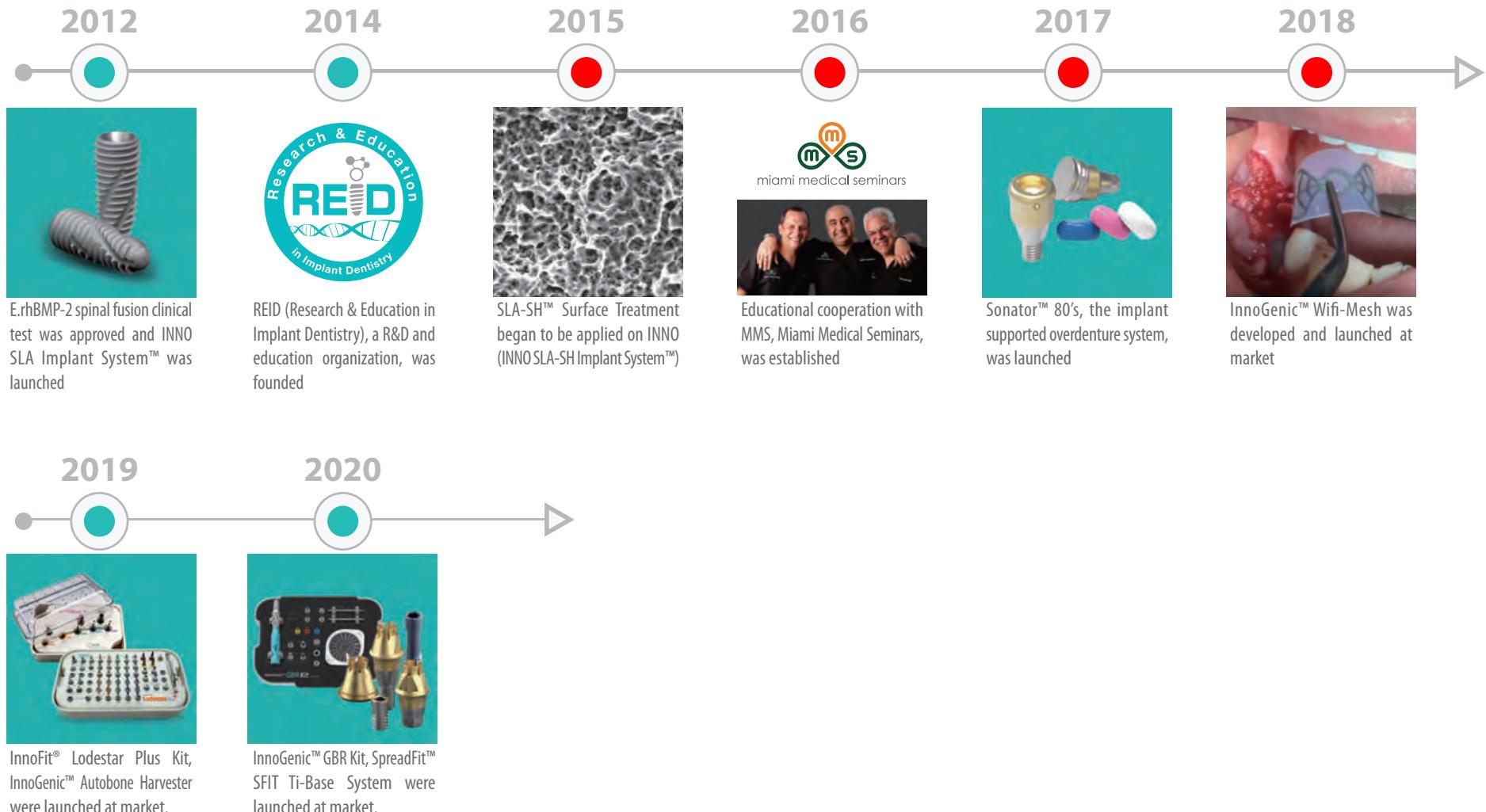
# **COWELLMEDI**

*[kəʊəl'medɪ]*

**Noun, singular**

1. Cowellmedi is a manufacturer of dental implants, regenerative materials, instruments and The company is well known as the manufacturer that developed and launched Korea's first dental implant, called Bioplant™. As one of key players in dental healthcare industry, the company was founded in 1996, having obtained a patent in Korea and USA for its rhBMP-2 and implant surface coating technology, Cowellmedi has attracted attention from the world dental community as a dental implant manufacturer.







## GLOBAL NETWORK



### Global presence with strong footprint all over the world

COWELLMEDI is headquartered in Korea and has its own corporate subsidiaries in the USA, China, Taiwan, Russia, India and Uzbekistan. COWELLMEDI products and services are available in over 60 countries around the globe. The information on the corporate office of COWELLMEDI can be found on our website by making 1:1 inquiry. ([www.cowellmedi.com](http://www.cowellmedi.com))



# RESEARCHES AT UNIVERSITIES



## Cognitive understandings with scientifically and clinically proven outcome

COWELLMEDI is providing products which have been scientifically and clinically proven.



**HARVARD**  
UNIVERSITY



Chonnam National University (Korea)

Dankook University (Korea)

Dongguk University (Korea)

Ewha Womans University (Korea)

Gangneung-Wonju National University (Korea)

Hallym University (Korea)

Harvard University (USA)

Inha University (Korea)

Inje University (Korea)

Korea University (Korea)

Kwandong University (Korea)

Nantes University (France)

Northeastern University (USA)

Pusan National University (Korea)

Seoul National University (Korea)

University of Pennsylvania (USA)

University of Toronto (Canada)

University of Zurich (Switzerland)

Yonsei University (Korea)



# CERTIFICATES

**COWELLMEDI products have passed performance tests, quality assurance tests and met qualification criteria stipulated in many countries.**



MFDS (Korea)



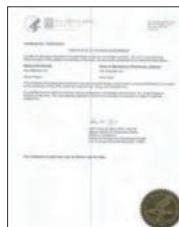
GMP (Korea)



ISO13485 (Europe)



CE (Europe)



FDA (USA)



MDSAP (Canada)



Global IP Star (Korea)



ARTG (Australia)



TMO (Estonia)



GOST (Russia)



CFDA (China)



INVIMA (Colombia)



CDSCO (India)



TFDA (Thailand)



DOH (Taiwan)



DSTU (Ukraine)

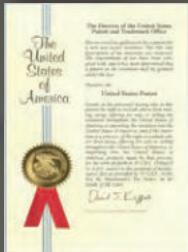


MOH (Uzbekistan)



# PATENTS

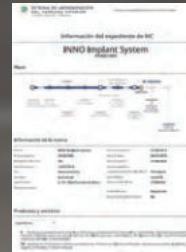
**COWELLMEDI** currently has obtained over 150 patents (symbols, slogans, designs, words, or combination of those elements) to protect our inventions, our business and our partners' business.



BMP coated implant  
US patent (10-082729)



BMP coated implant  
Korea Patent (10-0736826)



INNO Implant System™  
EU TM (014351993)



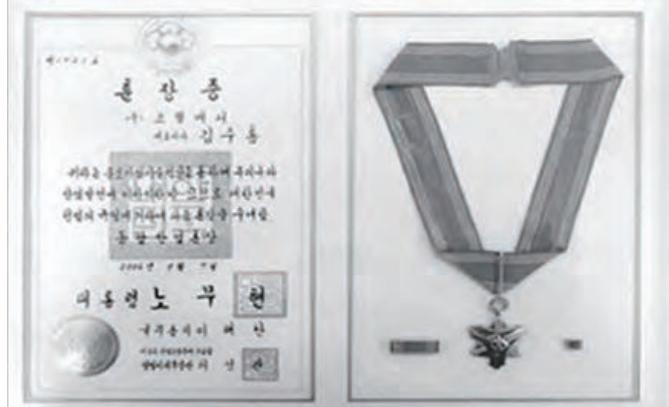
CWM Implant System™  
EU TM (04351994)

- BMP coated implant, US patent registration (10-082729)
- BMP coated implant (10-0736826)
- Fixture for dental implant and the manufacturing method (1003940710000)
- Method of aesthetic surface treatment of dental implant (10-2003-0062396)
- Dental implant coated with recombinant human bone morphogenetic proteins and Method thereof (10-2006-0059457)
- Composition and kit comprising recombinant human Bone Morphogenic Protein and twist transcription factor for skin repair as active ingredient (10-2011-0117881)
- Use of growth factor for regenerating damaged Periodontal tissue and pulp tissue of extracted tooth, composition containing said growth factor as active ingredient, and kit for tissue regeneration (WO)2013094992
- Torque wrench for operating dental implant (10-2002-0059806)
- A temporary abutment for bone augmentation (10-2008-0037384)



# AWARDS

**COWELLMEDI has received numbers of awards since the establishment of the company. The most remarkable one is the bronze tower medal for the development of Korea's first dental implant, granted from Korean government.**



The medal for contribution of developing Korea's First Dental Implant, granted by the 16th President of Republic of Korea



- 2000**
  - Designated as a venture company by SMBA
  - Selected as a promising export Firm by SMBA
- 2001**
  - Selected as an innovative technology development company by KTFC
- 2003**
  - Selected as an INNOBIZ Company by SMBA
- 2004**
  - Medaled for contribution of developing Korea's First Dental Implant, granted by the 16th President of Republic of Korea
  - Selected as a Superior Technology Company by KTFC
- 2006**
  - Selected as an Excellent Entrepreneur by BMC
  - Selected as a Leading Company in a Strategic Industry by BMC
  - Designated as a Family Firm by Industrial Bank of Korea
- 2010**
  - Awarded for the contribution to the development of Dental Association by GDA
- 2011**
  - Awarded for supporting the development of the society and promoting industry-university cooperation
- 2016**
  - Awarded for contribution to the development of dentistry by Korea Dental Assiciation
- 2018**
  - Awarded for contribution to development of oral & maxillofacial field and patient safety by Ass. of Oral and Maxillofacial Surgeons
- 2019**
  - Selected as a Global IP(Intellectual Property) Star Company
  - Certified as an Intellectual Property Management Enterprise
- 2020**
  - Selected as a Global Hidden Champion



# MEDIA COVERAGE

**COWELLMEDe** has been introduced in various media as the mecca of the dental implant industry and has received outstanding attention for its successful development of dental implant and rhBMP-2.



COWELL® BMP TV COMM.



KBS News



Industria Dental



Yonhap News



MBC News



YTN News



MBN News



O'zbekistan TV



KBS News



KBS News



expertos en implantología destacan la eficacia del material rh-BMP 2

TeleCINCO

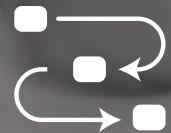


CTN TV

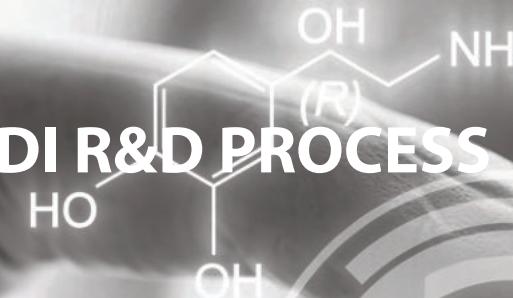


## **COWELLMEDI R&D INSTITUTE**

COWELLMEDI R&D Process  
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COWELL® Class 1000  
COWELLMEDI Tissue Engineering Institute for Growth Factors  
COWELL® BMP  
Application & Ongoing R&D using COWELL® BMP  
Scientific Proofs of the effect of COWELL® BMP  
COWELLMEDI Global Innovation Centre



# COWELLMEDI R&D PROCESS



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## 1. Creation of Ideas

To build basic frameworks for research and development



## 4. Evaluation and Verification

To assess whether findings meet all the criteria such as aim of development and regulatory issues



## 2. Market Research

To research aims to understand a subject more completely and build on the body of knowledge relating to it as well as to identify customer's needs and their potential



## 5. Certification and Authorization

To have findings certified and authorized for sales



## 3. Design and Development

To determine design, concept and development of prototypes when findings of a research are utilized for the production of specific products including materials, systems and methods

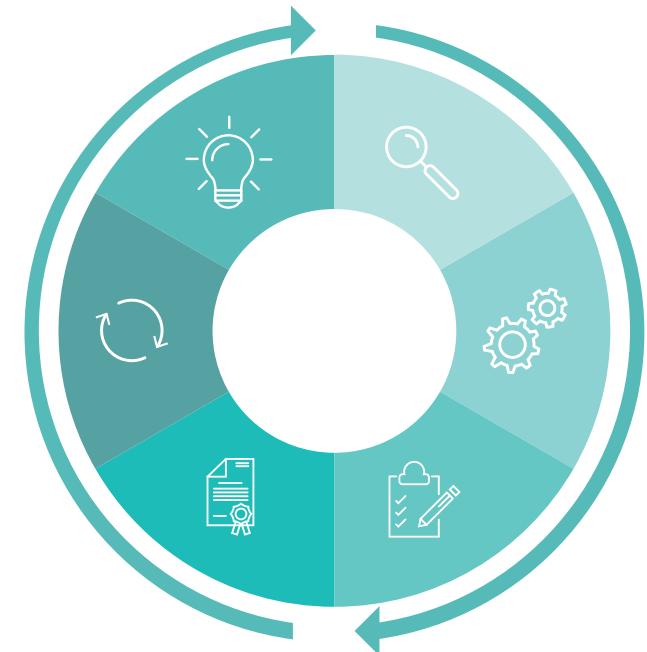


## 6. Post-Market Analysis

To evaluate reflection of users and to recreate ideas of how findings may be better

**This is how we can help your daily practice superior**

A grateful heart is a beginning of greatness. It is an expression of humanity. It is a foundation for the great development based on faith, courage, contentment, happiness, love, and well-being.





# PRODUCT DEVELOPMENT HISTORY



**BioPlant™ (1994)**



The dental implant, developed for the first time in Korea. Surface treatment applied to the implant is RBM.

**BioPlant™II (2000)**



The BioPlant with mount to see the implant path easier

**Axis (2002)**



The implant features a straight body and an adjustable insertion depth

**Axis II (2004)**



Designed for better self-tapping and cutting capabilities, and increased stability

**Atlas (2004)**



The dental implant with Korea's first ASD treatment technology applied on its surface

**Dental Engine (2005)**



The implant drive unit specially designed for use in dental implant Surgery

**Mini Plus (2007)      Wide Plus (2008)      rhBMP-2 (2008)      Easy Sinus Lift Kit (2008)      Bio-C (2009)      Cowell® BMP (2010)**



Designed for narrow ridge such as the mandibular anterior



For the replacement of fixtures which are failed to be implanted



rhBMP-2 reagent for research purpose, derived from E.Coli



To perform maxillary sinus lift, ridge splits, and bone identification cases.



A synthetic bone graft material composed of  $\beta$ -TCP and HA



E.Coli derived rhBMP-2, developed for the first time in the world. Over 40 studies have been done based on the product

**INNO Implant System™ (2012)**



Designed for all cases including immediate implantation, loading, depth adjustment, sinus and etc. SLA-SH™ Surface treatment is applied

**Sonator 80's System (2016)**



For use with implant supported dentures. Self-locating design allows dentures to be easily seated

**Atraumatic Extraction Kit (2017)**



The revolutionary kit is used for the immediate & effortless extraction of tooth root with simple procedure

**InnoGenic™ Wifi-Mesh (2018)**



A shielding non-resorbable membrane with titanium frame is reinforced between PTFE layers

**InnoFit® Lodestar Kit (2019)**



For use with surgical guided template, the kit consists of drilling set which can be used for any screw type implant system in the world

**InnoGenic™ Autobone Harvester (2019)**



A comprehensive kit composed of drills and stopper to harvest autogenous bone. More than 1 cc of bone chips can be collected within 10 seconds using the kit

**InnoGenic™**  
**GBR Kit (2020)**



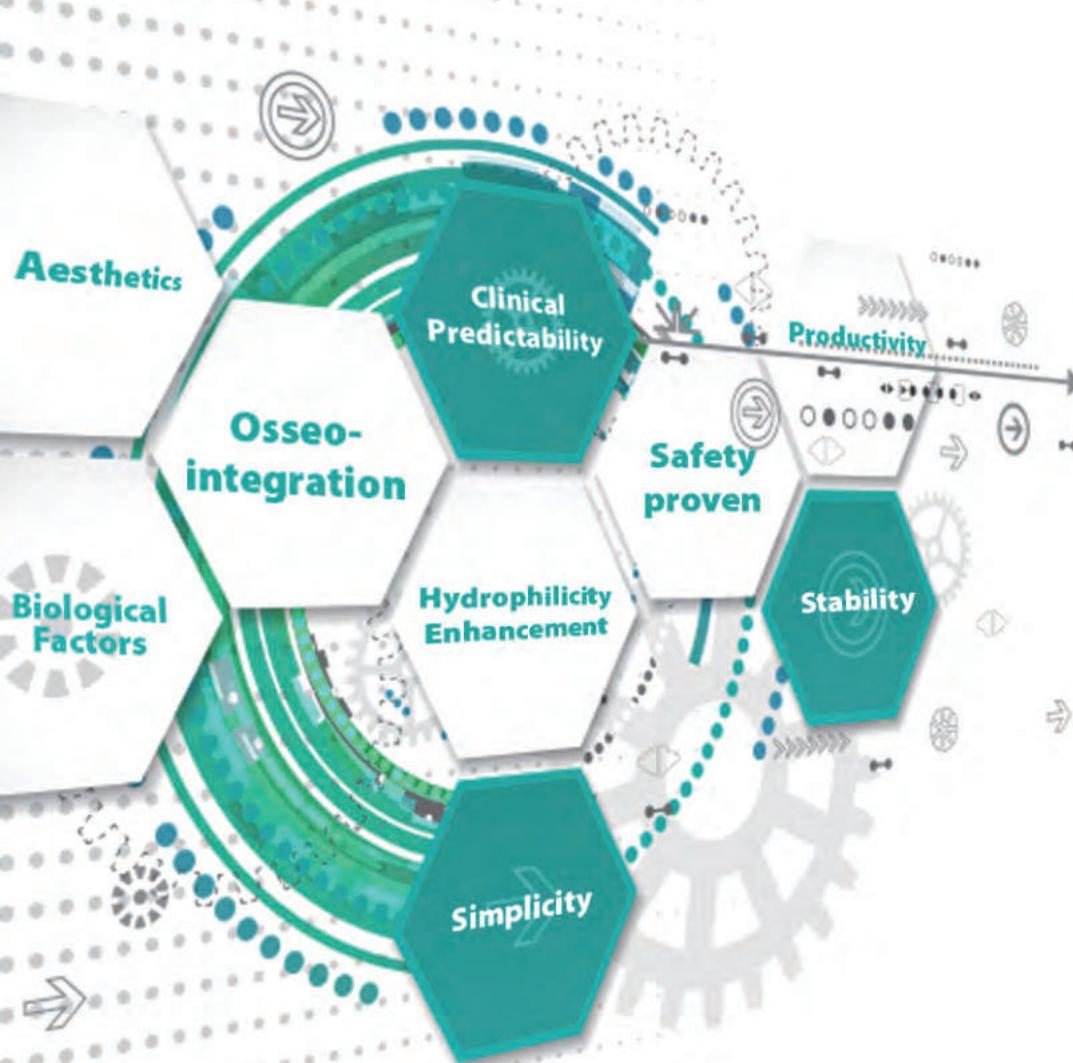
**SpreadFit™**  
**SFIT Ti-Base System(2020)**



An all-in-one solution for various types of GBR procedures.

A Screw Retained Prosthesis which is seated and fixed directly inside the crown without cementation.

*COWELLMEDI Product*



# Implant Innovation

When INNOVATION meets Dental Implant.

COWELLMEDI Implant Lab has been constantly challenging itself to develop an optimal dental implant that meets diverse clinical needs, biological circumstances, aesthetic requirements and indications.

The concept of our work is based on continuous innovations and implementation of innovative ideas.

COWELLMEDI Implant Laboratory teams that are gathered around different research and development ideas are committed to creating new findings of dental implant system, to rethinking and improving the existing solutions as well as maintaining them in accordance with modern or future trends in order to refine existing research and development perspectives.

The long-standing commitment that has been born from the shared belief in the continuous improvement brought our research and development results to the highest level.

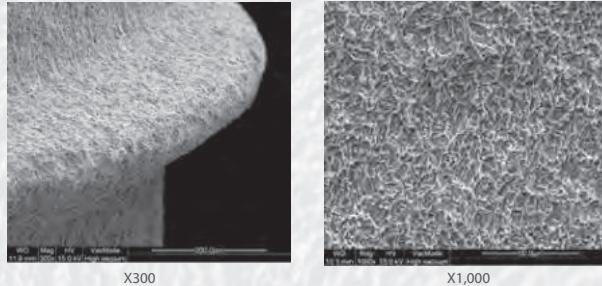


# SLA-SH™ SURFACE TREATMENT

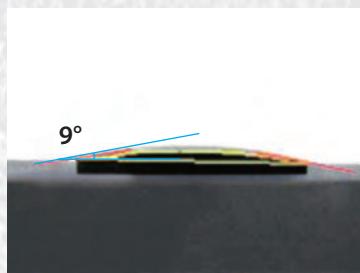
## Sandblasted, Large-grit, Acid-etched and Super-Hydrophilic

- > Super-hydrophilicity activated by neutralizing solution & bioactive material coating
- > Sandblasted with biocompatible grits unlike others are done with alumina
- > Macro-pore & micro-pore of Ti-oxide layer mimicking the etched enamel rod of tooth
- > Even distribution of roughness through the whole portion of implant surface
- > No destruction or alteration of the surface are caused even with torque force at 120 N.cm
- > Acceleration of osseointegration and maximization of BIC
- > SLA-SH™ is applied to all of the COWELL® Implant Systems

## Evaluation using Scanning Electron Microscope

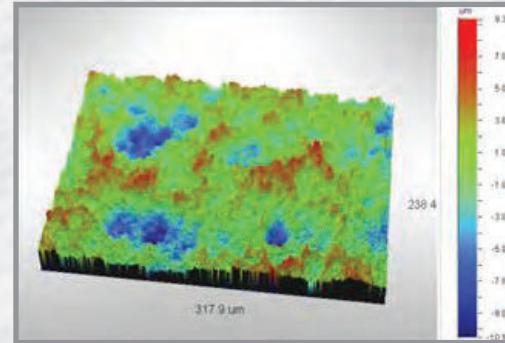


## The surface activity increased due to the great surface wetness



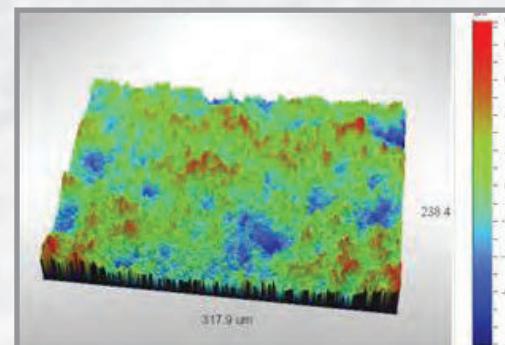
Contact angle measurement evaluation result for the saline solution

## Evaluation using SSEM 3D images (Stereo Scanning Electron Microscope)



Measurement Info

Magnification : 19.93  
Measurement Mode : VSI  
Sampling : 496.74 nm  
Array Size : 640 X 480

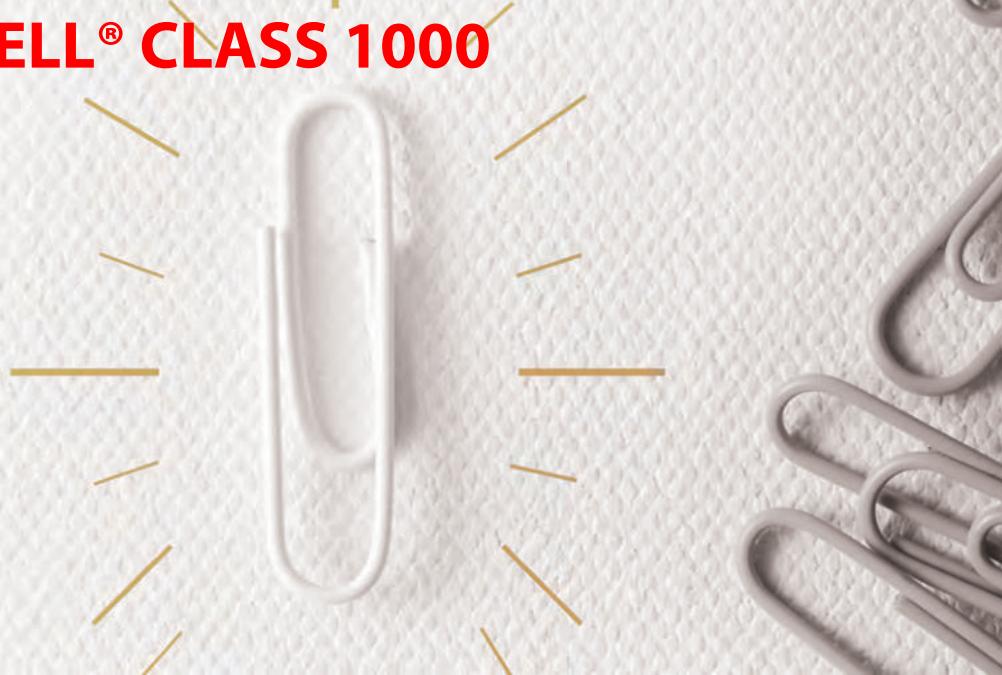
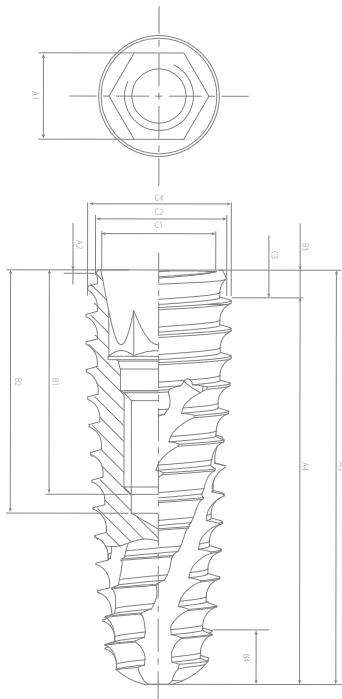


Measurement Info

Magnification : 19.93  
Measurement Mode : VSI  
Sampling : 496.74 nm  
Array Size : 640 X 480



# **COWELL® CLASS 1000**



# A subtle difference makes the dental implant or not

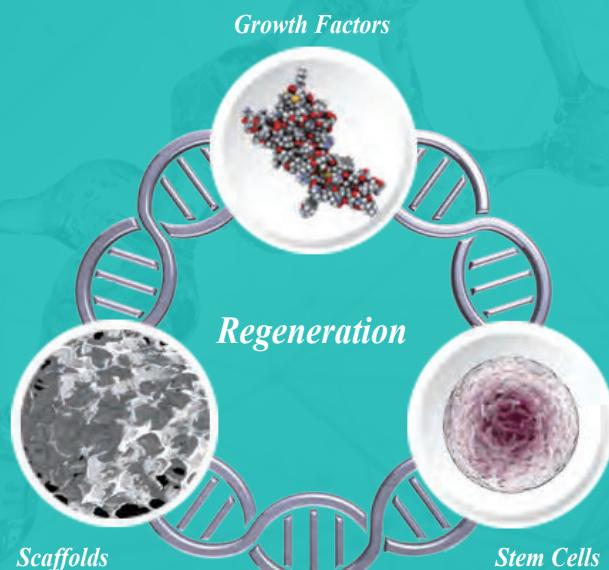
## Manufacturing Tolerance Evaluation

## Committed to Innovation

COWELLMEDI Tissue Engineering Institute for Growth Factors is committed to life innovation by researching and developing new biological findings, biomaterials and regenerative solutions.

COWELLMEDI Tissue Engineering Institute for Growth Factors succeed the development of the world's first rhBMP-2 derived from E.Coli (COWELL® BMP). More than 40 researches based on COWELL® BMP have been published. Now, COWELL® BMP is moving forward to use of COWELL® BMP in dermatology and orthopedics.

COWELLMEDI Tissue Engineering Institute for Growth Factors is also striving for the development of new generation of scaffold, growth factors, stem cell combined solution.



**COWELLMEDI**  
**TISSUE**  
**ENGINEERING**  
**INSTITUTE**  
**FOR**  
**GROWTH FACTORS**

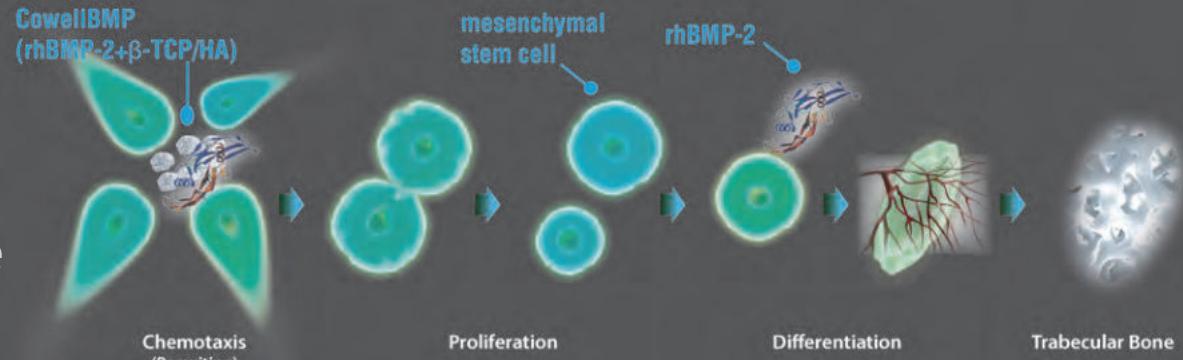




# COWELL® BMP (E.rhBMP-2+BCP)



There may be nothing to talk about tissue regeneration without COWELL® BMP

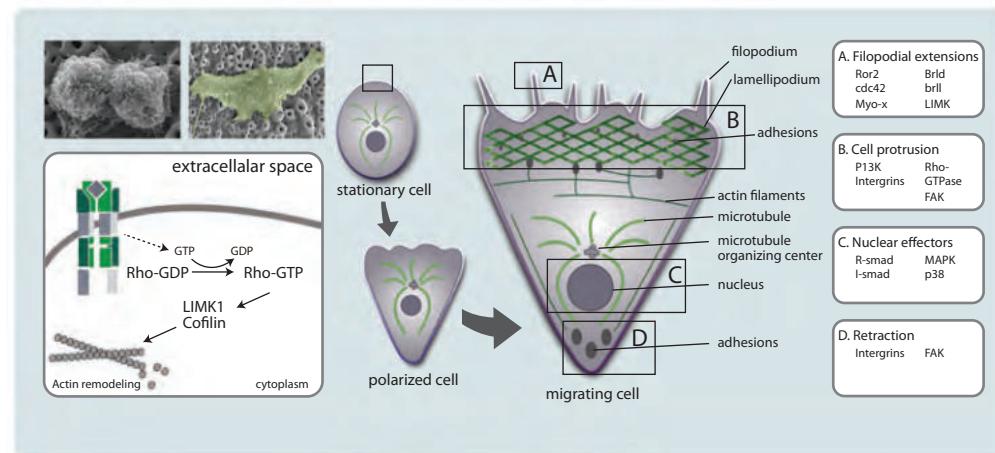


## ○ What is BMP-2 ?

- Polypeptides synthesized from human cell
- Multi-functional growth factor

## ○ Function

- Cellular proliferation, differentiation, morphogenesis of tissue and organs
- Embryogenesis, postnatal growth and adulthood



## ○ Process of COWELL® BMP Development

### Step 1 Gene cloning of rhBMP-2 (cDNA)



### Step 2 Protein over-expression using a E. Coli system



### Step 3 Purification of the rhBMP-2 protein



### Step 4 Cytotoxicity/Activity test of the rhBMP-2 protein



### Step 5 in vivo rhBMP-2 protein activity test



# APPLICATION & ONGOING R&D USING COWELL® BMP

## Orthopedics

### • Bone Graft

- > Fractures: Tibia, Radius, Ulna
- > Degenerative Disc Disease(Spine Fusion) Interbody cage, Posterolateral

### • Injectve Device

- > Lengthening: Distraction Osteogenesis
- > Osteoporosis: Hip joint fracture
- > Bone Defect: Bone cyst
- > Bone Fusion: Foot/Shoulder revision

## Dentistry

### • Bone Graft

- > Severely resorbed Alveolar Ridges
- > Tooth Extraction Socket
- > Oral & Maxillofacial Reconstruction
- > Alveolar Bone Loss

### • Dental Implant

- > Osteoinductive Implant: E.rhBMP-2 Coated Implant

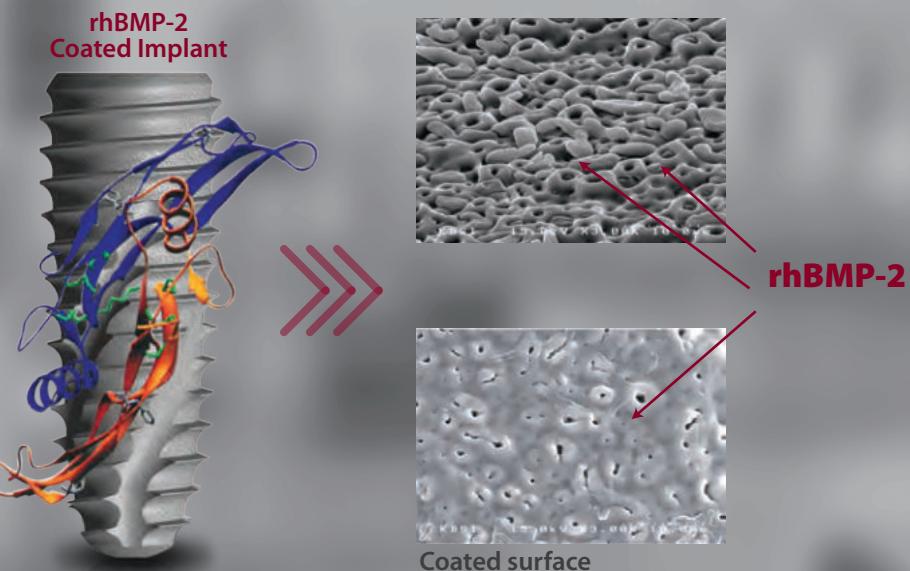
## Dermatology

### • Dermis Regeneration

- > Damaged Skin (Burning)
- > Diabetic Ulcer

### • Cosmetics

- > Depilation & Trichogenesis
- > Wrinkle Lifting





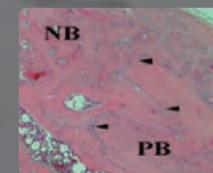
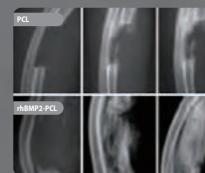
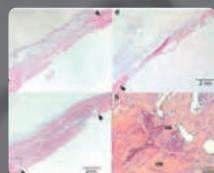
# SCIENTIFIC PROOFS OF THE EFFECT OF COWELL® BMP

1. Analysis of hydrolyzable polyethylene glycol hydrogels and deproteinized bone mineral as delivery systems for glycosylated and non-glycosylated bone morphogenetic protein-2. *Acta Biomater.* 2012 Jan;8(1):116-23.
2. Effects of rhBMP-2 Coating Tricalcium Phosphate on Socket Preservation in Dog Extraction Socket, *Tissue Engineering and Regenerative Medicine*, Vol. 5, No. 4~6, pp 637-642 (2008)
3. Effects of Polycaprolactone-Tricalcium Phosphate, Recombinant Human Bone Morphogenetic Protein-2 and Dog Mesenchymal Stem Cells on Bone Formation: Pilot Study in Dogs. *Yonsei Med J* 50(6): 825-831,(2009)
4. The induction of bone formation in rat calvarial defects and subcutaneous tissues by recombinant human BMP-2, produced in *Escherichia coli*. *Biomaterials* 31 (2010) 3512–3519
5. Alveolar ridge augmentation using anodized implants coated with *Escherichia coli*-derived recombinant human bone morphogenetic protein 2. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* (2011) Jul;112(1):42-9
6. Bone formation of *Escherichia coli* expressed rhBMP-2 on absorbable collagen block in rat calvarial defects. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2011;111:298-305
7. Bone formation of block and particulated biphasic calcium phosphate lyophilized with *Escherichia coli*-derived recombinant human bone morphogenetic protein 2 in rat calvarial defects. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2011;112:298-306.
8. Induction of bone formation by *Escherichia coli*-expressed recombinant human bone morphogenetic protein-2 using block-type macroporous biphasic calcium phosphate in orthotopic and ectopic rat models. *J Periodontal Res.* (2011) Dec; 46(6):682-90.
9. Enhanced adipogenic differentiation and reduced collagen synthesis induced by human periodontal ligament stem cells might underlie the negative effect of recombinant human bone morphogenetic protein-2 on periodontal regeneration. *J Periodontal Res* (2011); 46: 193–203
10. The Effects of rhBMP-2 Injection at Distraction Osteogenesis of Rats’ Tibia. *Tissue Engineering and Regenerative Medicine*, Vol. 8, No. 2, pp 158-163 (2011).
11. Discontinuous Release of Bone Morphogenetic Protein-2 Loaded Within Interconnected Pores of Honeycomb-Like Polycaprolactone Scaffold Promotes Bone Healing in a Large Bone Defect of Rabbit Ulna. *Tissue Eng Part A*. 2011 Oct;17(19-20):2389-97.v
12. The effect of immobilization of heparin and bone morphogenic protein-2 to bovine bone substitute on osteoblast-like cell's function. *J Adv Prosthodont* 2011; 3:145-51
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# SCIENTIFIC PROOFS OF THE EFFECT OF COWELL® BMP

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# COWELLMEDI GLOBAL INNOVATION CENTRE

*Image of "COWELL Global Innovation Centre",*

**The New COWELLMEDI R&D Institute  
to be complete in 2025**





## **COWELL® IMPLANT SOLUTION**

The Oldest Dental Implant Case in Korea

COWELLMEDI Implant Solution at a glance

COWELL® Implant System

COWELL® Digital Products

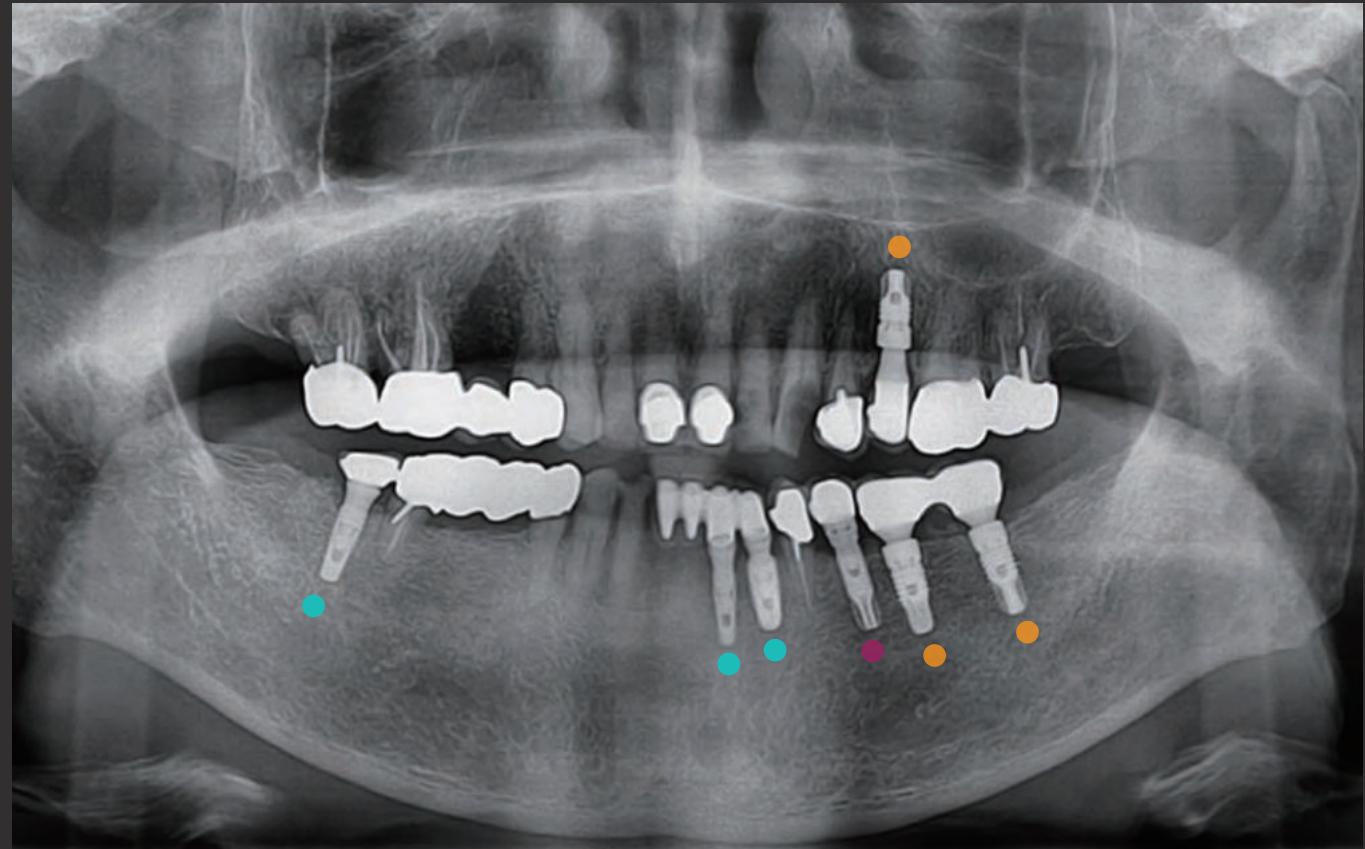
InnoFit® Digital Labs

COWELL® Expert Instruments

COWELL® Regenerative Solution

# THE OLDEST IMPLANT CASE IN KOREA

SINCE  
1994



#35: BIOPANT™, 1st generation of the COWELL® Implant, Korea's first dental implant developed in 1994.

#25, 36 & 37: ATLAS Implant System™, 2nd generation of the COWELL® Implant, Korea's first ASD treated Implant.

#32, 33 & 47: INNO Implant System™, 3rd generation of the COWELL® Implant, Nano/CaP soaking technology applied.



# COWELLMEDI IMPLANT SOLUTION at a glance

## III COWELL® Implant System

**INNO Implant System™**  
INNO Submerged Implant  
INNO Submerged Narrow Implant  
INNO Submerged Short Implant  
INNO Internal Implant  
INNO External Implant

**Mini Plus® Implant System**  
Miniplus Cemented Type  
Miniplus Ball Type

## COWELL® Digital Products

**Digital Guided Surgery Kit**  
InnoFit® Lodestar Plus Kit  
InnoFit® Lodestar Kit

**Digital Prosthesis**  
SFIT Ti-Base System  
InnoFit® Hybrid Ti-Base System

## InnoFit® Digital Labs

## II COWELL® Expert Instruments

MFS Kit (Multi-Functional Sinus™ Kit)  
Sinus Lift Kit  
MFR Kit (Multi-Functional Removal™ Kit)  
InnoGenic™ GBR Kit  
InnoGenic™ Autobone Harvester  
COWELL® BMP Trepbine Kit  
Atraumatic Extraction Kit  
Direct Surgical Guide Kit  
AO4 Surgical Stent  
Volume-up™ Guide System

## COWELL® Regenerative Solution

COWELL® BMP Series  
INNO-CaP  
INNO OSS & INNO OSS Allo  
DiaBone  
MEGA DERM™ Plus  
Diaderm® M  
InnoGenic™ Non-resorbable Membranes



# COWELL® IMPLANT SYSTEM

## INNO Submerged Narrow Fixture

Designed for anterior esthetic zone with narrow alveolar ridge. Double tapered thread acquires higher primary stability through a wedge action.



## INNO Submerged Short Fixture

Designed for severe bone resorption. Wide and deep upper thread prevents the compressive necrosis of the cortical bone.



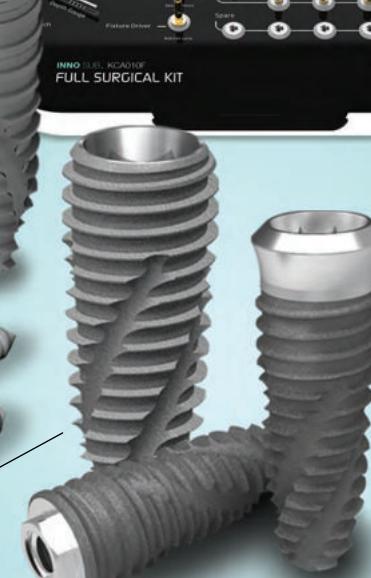
## Miniplus®

For mandible anterior spaces and edentulous arch. Semi-permanent or temporary solution for anterior spaces with extremely narrow ridge.



## INNO Submerged Fixture

Designed for all clinical cases including immediate implant placement, immediate loading, implant depth adjustment, maxillary sinus and etc. Simply doing more for your implant treatment.



## INNO External Fixture

Stable engraftment of periosteum in the boundary surface of bone and implant.

## INNO Internal Fixture

One stage restoration with state of the art design. 4 spiral round cutting edges maximize the efficiency of self tapping with a sharp edge and accommodates bone chips as ideal cutting edge pocket space.

## Cemented Abutment

Cutting surface is designed for anti-rotation of prosthesis.



## Volume-up™ Healing Abutment

Devised for preventing food penetration and forming aesthetical cervical area by restoring contracted buccal alveolar bone & gingiva to the original shape and width.



## Meta G UCLA Abutment

Modification to angulated abutment, customized abutment and telescopic abutment.



## Easy Temporary Abutment

Temporary restoration for anterior esthetic zone. For simpler and speedier chair-side process.



## Angulated Abutment

Simple solution for anterior esthetic zone.



## Milling Abutment

Block abutment to customize contouring.



## Multi S&A and Lock Abutment

Designed for both edentulous and partially edentulous arches. A broad range of prosthetic options allows to meet individual requirements of your patients.



## Sonorat 80's S&A Abutment

Allows you to treat your patients with minimum standard of care of an implant supported overdenture at affordable cost with great satisfaction.



## Beauty-up™ Abutment

Specially designed to solve esthetical and functional challenges when SCRP with angulated screw channel is required in the anterior portion.



## Ball Abutment

Designed for use with removable overdentures or partial dentures retained in whole or in part by endosseous implants in the maxilla and mandible.



# COWELL® DIGITAL PRODUCTS



## InnoFit® Lodestar Plus Kit



A total guided surgery solution applicable to various types of clinical cases. Exclusive for the INNO Submerged and Submerged Narrow Implant System.

## InnoFit® Lodestar Kit

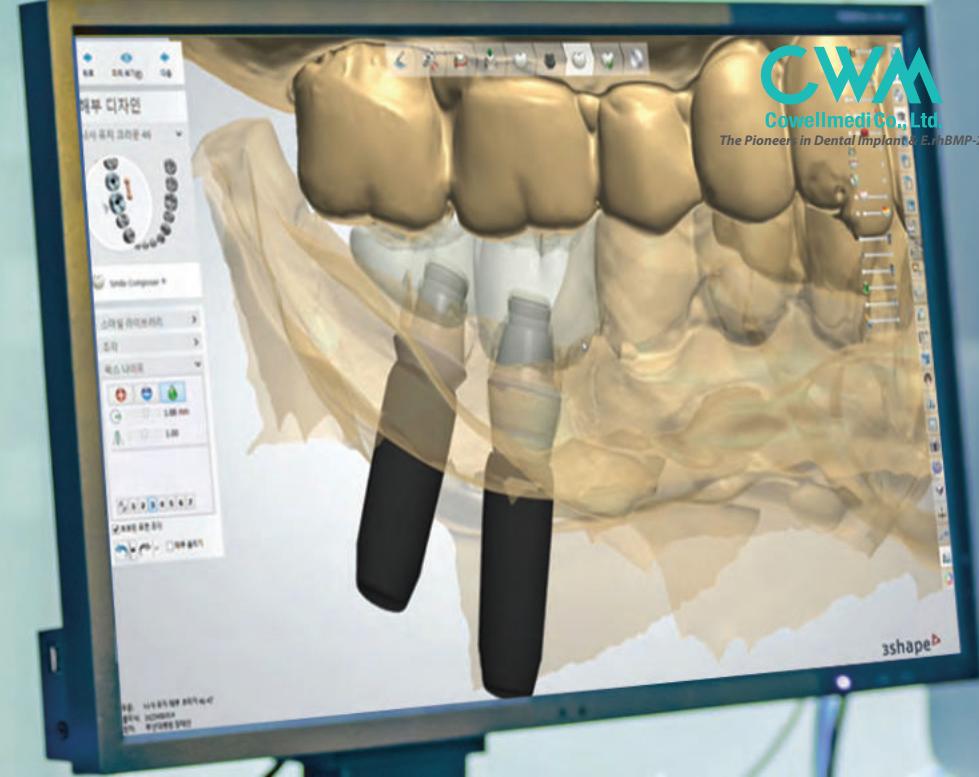


The kit is used with not only COWELL® Implant but also all other implant systems. The kit also includes anchor system for edentulous cases and side opening sleeves to access the posterior where vertical space is limited. COWELL® Digital Solution also offers free software for the fabrication of surgical guided templates.

## InnoFit® Hybrid S&L Ti-Base and Block



Digital integrated prosthesis coming with a variety of shapes and dimensions that optimize predictable results.



## InnoFit® Multi & Lock Hybrid Ti-Base



Exclusively designed for hybrid prosthesis over Multi & Lock abutment. Various sizes are available.

## InnoFit® Scanbody



Made of 100% titanium but with special AL coating applied on the surface, it does not diffract light during scanning and does not need to be sprayed. Triangle shaped surface with a 120° interval facilitates directional identification more precisely.

## SpreadFit™ SFIT Ti-Base System



A Screw Retained Prosthesis which is seated and fixed directly inside the crown without cementation.



## Concept of InnoFit®

" No one has the same tooth & gum shape as everyone has different shape of finger print ",  
InnoFit® is a custom prosthetic solution, designed and produced by InnoFit® Digital Laboratories  
based on digital technology.



## 2 Essential Factors which make InnoFit® more valuable

**1. Patients:** Think of patients and find out what they want and what they need. They want to be better informed about treatment option, material, brand and technology. Depending on those, the value of your practice may differ. Give them surer service with InnoFit®.

**2. Return on Investment:** Being equipped with digital devices and maintaining them are extremely costly. Instead of investing in those, save your time and use our system and get the fittest works from us.

**Looking for Surgical Guide Templates, Digital Designs, Abutments, Crowns and Overdentures?**

Using service of InnoFit® Digital Laboratories may be the best answer. InnoFit® Digital Laboratories provide you with the greatest return for your business, and you obtain more time to concentrate on your works.



# COWELL® EXPERT INSTRUMENTS

## MFS Kit (Multi-Functional Sinus™ Kit)

Designed to perform maxillary sinus lifting. Aqua Membrane Lifter, Drill designs and Stopper System prevent perforation of sinus membrane. The kit includes all the instruments required for both crestal and lateral approach.

## Sinus Lift Kit

This revolutionary kit contains US Patented Modified Tap Drills and Spreaders in order to allow any dentists to easily lift, split or condense surrounding bone with simple drilling. Dentists can expect more predictable results, and patients can enjoy less traumatic surgeries with shorter chair time.

## MFR Kit (Multi-Functional Removal™ Kit)

An ideal solution for fixture, abutment and screw removal without trauma and bone loss.

## InnoGenic™ GBR Kit

An all-in-one solution for various types of GBR procedures.

## InnoGenic™ Autobone Harvester

Devised to harvest autogenous bone not only from the general site but also from the site where the implant will be placed. More than 1cc of bone chips can be harvested within 10 seconds.

## COWELL® BMP Trepbine Kit

An easy-to-use kit with drills and instruments for block-type bone collection, failed fixture removal, crestal & window approach for sinus lift and bone chip extraction.





# COWELL® REGENERATIVE SOLUTION

## • **MegaDerm™ Plus**

The acellular dermal matrix can carry out the functional blocks of the membrane due to its long absorption period (soft tissue penetration protection) and is the first in the world with the basement membrane layer removed to maximize the transplant engraftment rate.



## • **INNO OSS & INNO OSS Allo**

Allograft composed of 50% of cortical and the other 50% of cancellous. DBA has been proven out its efficiency and safety by the highest-level pharmacological standards of AATB and is being a global standard of allograft.

## • **COWELL® BMP & INNO GF Kit**

The world's first E.rhBMP-2, (E.Coli derived Recombinant Human Bone Morphogenetic Protein type 2), as a growth factor that induces bone and cartilage formation. It is a retinoid mediator that plays a key role in osteoblast differentiation.



## • **INNO-CaP**

Osteoconductive synthetic bone graft material consisting of CaP is completely resorbed and progressively replaced by vital bone in the healing period.



## • **DiaDerm® M**

Biodegradable atelocollagen membrane is used for GTR & GBR operation. The product, made from high purity atelocollagen, has high biocompatibility, mechanical strength and resistance to enzymatic degradation and flexibility.



## • **COWELL® InnoGenic™ Wifi-Mesh**



## • **COWELL® InnoGenic™ PTFE-Mesh**



## • **InnoGenic™ Non-resorbable membranes**

The products consisting of Titanium reinforced PTFE membrane (Wifi-Mesh), PTFE membrane (PTFE-Mesh) and Titanium mesh (Ti-Mesh) are non-resorbable membranes to be applied over intraoral defects, especially, tooth extraction and bone augmented sites.



## • **Diabone**

A xenograft is perfectly fused to natural human bone. Diabone has fast blood penetration by giving great hydrophilicity and 3-Dimensional structure which allow optimal cell attachment and blood absorption.



## **COWELLMEDI ACTIVITIES**

CIC, COWELL® International Conference

Exhibitions & Roadshows

REID, Research & Education in Implant Dentistry

MMS, Miami Medical Seminars

E-COWELLMEDI

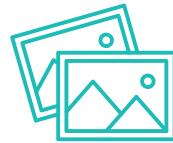
COWELLMEDI on Social Media

CEO's Message

# COWELL® INTERNATIONAL CONFERENCE



<p><b>2019</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Jeju, Korea</li><li>• COWELL® Global Forum in Seoul, Korea</li></ul>	<p><b>2015</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Madrid, Spain</li><li>• COWELL® Global Forum in Seoul, Korea</li></ul>
<p><b>2018</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Prague, Czech</li><li>• COWELL® Global Forum in Seoul, Korea</li><li>• COWELL® Global Forum in Delhi, India</li></ul>	<p><b>2014</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Seoul, Korea</li><li>• COWELL® Global Forum in Busan, Korea</li></ul>
<p><b>2017</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Bangkok, Thailand</li><li>• COWELL® Global Forum in Baku, Azerbaijan</li><li>• COWELL® Global Forum in Busan, Korea</li></ul>	<p><b>2013</b></p> <ul style="list-style-type: none"><li>• COWELL® World BMP Symposium in Busan, Korea</li><li>• COWELL® Global Forum in Seoul, Korea</li></ul>
<p><b>2016</b></p> <ul style="list-style-type: none"><li>• COWELL® International Conference in Seoul, Korea</li><li>• COWELL® Global Forum in Seoul, Korea</li></ul>	<p><b>2012</b></p> <ul style="list-style-type: none"><li>• COWELL® BMP Symposium in Busan, Korea</li></ul>
	<p><b>2011</b></p> <ul style="list-style-type: none"><li>• COWELL® Implant Symposium in Seoul, Korea</li></ul>
	<p><b>2010</b></p> <ul style="list-style-type: none"><li>• COWELL® BMP Symposium in Seoul, Korea</li></ul>
	<p><b>~2000</b></p> <ul style="list-style-type: none"><li>• COWELL® Implant Symposium in Seoul, Korea</li></ul>



# EXHIBITIONS & ROADSHOWS



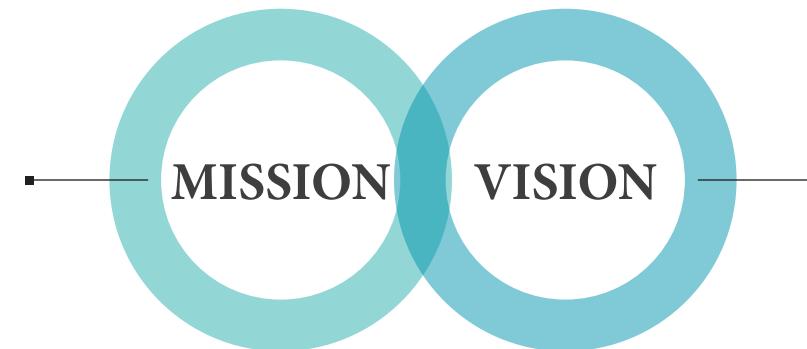


# REID (Research & Education in Implant Dentistry)



The REID is a global institute, standing for Research and Education in Implant Dentistry, sponsored 100% by COWELLMEDI. The REID has been dedicated to researching technology and knowledge from the past to the future, to creating more predictable concepts of treatment, and to developing cutting-edge products in implant dentistry and related fields as its first objective of the establishment.

As its second objective of the establishment, the REID also has been committed to training dental professionals with world-class clinicians, lecturers and education curricula.



To improve how the world dental community treats implant dentistry by providing dental professionals with internationally multidisciplinary education service and state of the art treatment concepts as well as comprehensive quality research for the benefits of patients

- Constructing the future of implant dentistry and related fields
- The world-class education provider and research institute
- Sharing more know-hows to have better ideas by expending worldwide network of members
- Providing training system accessible to any dental professional across the globe





# MMS (Miami Medical Seminars)



miami medical seminars

MMS, Miami Medical Seminars, certified and recognized by University of Miami, Miller school of Medicine, is specialized education and training institute for medical and dental professionals from all over the world.

The MMS provides education programs in medical and dental fields, using new education tools in Medicine, Oral and Maxillofacial Surgery and Implant Dentistry.

COWELLMEDI has been the sponsor of its educational events since 2015.

## ADVANCED COURSE IN IMPLANT DENTISTRY

LISBON, PORTUGAL

"New Concepts in Bone and Soft Tissue Grafting."



[www.mmseminars.com](http://www.mmseminars.com)



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[www.oneclinic.pt](http://www.oneclinic.pt)



**CWM**  
Cowellmedi Co., Ltd.  
The Pioneers in Dental Implant & ErhBMP-2



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### Clinical Videos:

View various clinical videos on your mobile



### Materials:

Understand COWELLMEDI Products better  
for predictable and optimal results



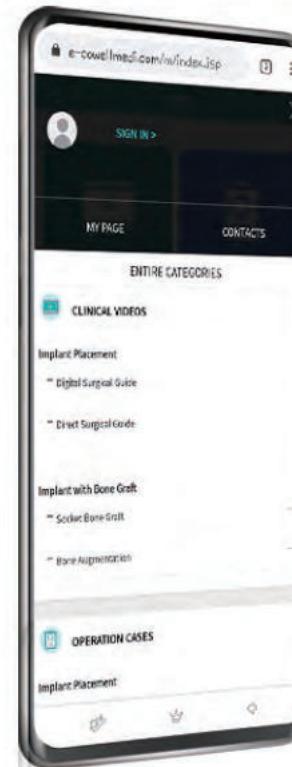
### Operation Cases:

Have more practical ideas for your  
daily practice



### 1:1 Inquiry

Leave us your question, we will sort out  
the complications that you may face



**Anytime, Anywhere !**



# COWELLMEDI ON SOCIAL MEDIA

## Connect with us on social media

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Be a friend with us



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## CEO'S MESSAGE

# THE PIONEERS IN DENTAL IMPLANT & E.RHBMP-2



Dental implantation has become an essential factor of dental treatment all over the world in the light of aesthetic appreciation, the aging of the population and dental intelligence quotient. These phenomena come from remarkably higher effectiveness of dental implantation.

In order to prepare for current & future demand of dental implantation and serve you with the best quality products in the world, COWELLMEDI has been researching & developing Dental Implants and Bone & Tissue Regeneration Materials since 1994.

COWELLMEDI first developed rhBMP-2 growth factor derived from E.coli in the world and is the first corporation of the localization of dental implant system as well as is only one company with patent obtained rh-BMP2 coated implant in Korea and USA.

COWELLMEDI has adapted world class cutting edge technology to dental implant systems, related articles and bone & tissue regeneration materials. COWELLMEDI is committed to devise world's most innovative technology developing superior goods & leading the future of state of the art dental implant technology integrated with new paradigm in biotechnology.

As a matter of policy, the company maintains very high standards and never compromises on quality at all. With up compromising dedication to the profession, the company has a focus on its action that unifies itself, adds value to its work and simplifies the modern dental implant surgery.

COWELLMEDI is obtaining very enthusiastic response from its valued customers due to its professional mannerism and competence.

On the basis of the longest experience in Korean dental implant industry, COWELLMEDI is moving forward to be NO.1 bio-technology company with top quality products and it is happening as we speak.

Thank you very much.

Kihong Kim | CEO of Cowellmedi Co., Ltd.



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