

CellSeed Inc.

Fiscal 2019

Earnings Results Presentation

JASDAQ Growth Stock Code: 7776

Contents

Company Profile

- Financial Summary FY12/2019
- Mid-term Business Plan Fiscal Year 2020 to Fiscal Year 2022

CellSeed Inc. Corporate Information

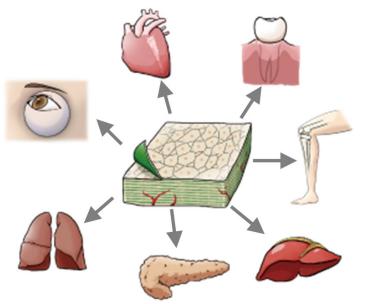


Established May, 2001 Core competence Cell Sheet Engineering based on Temperature Responsive Polymers Listed JASDAQ (7776) in 2010

Business

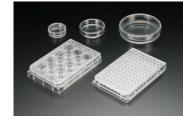
Regenerative Medical Products Business

Commercialization of Cell Sheet Therapies



Regenerative Medicine Supporting Business

Intelligent Culture Ware as Research Tools

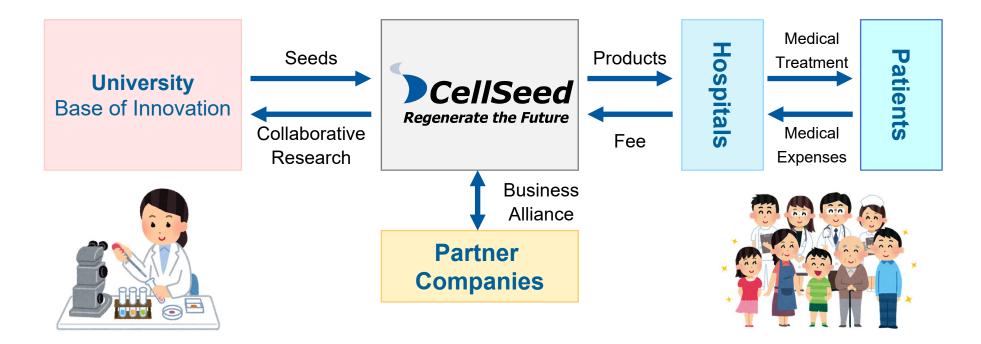


UpCell®

Contract Manufacturing Services · Consulting



Our Business Model

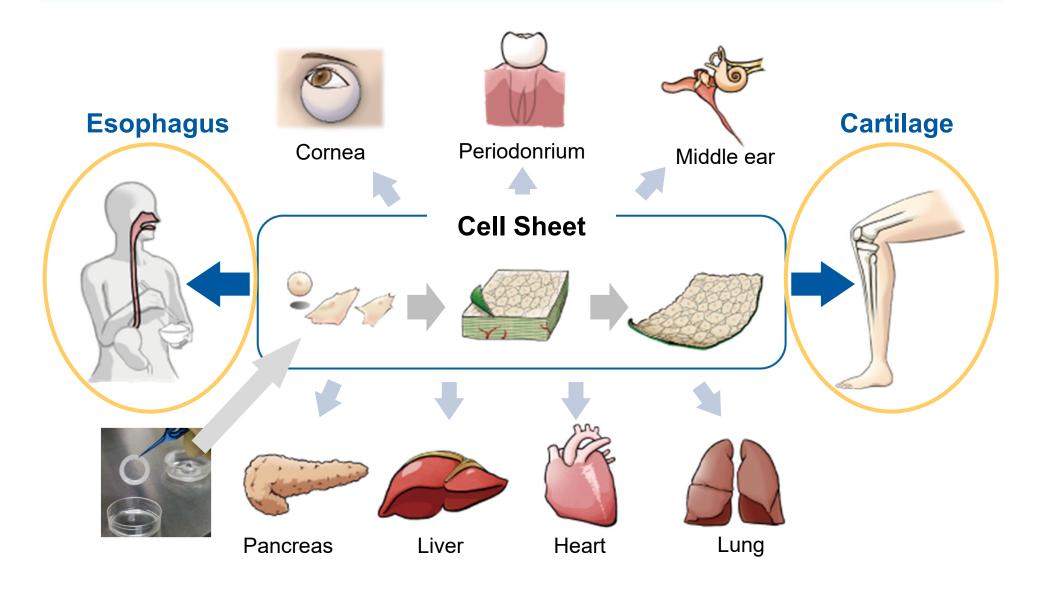


Mission

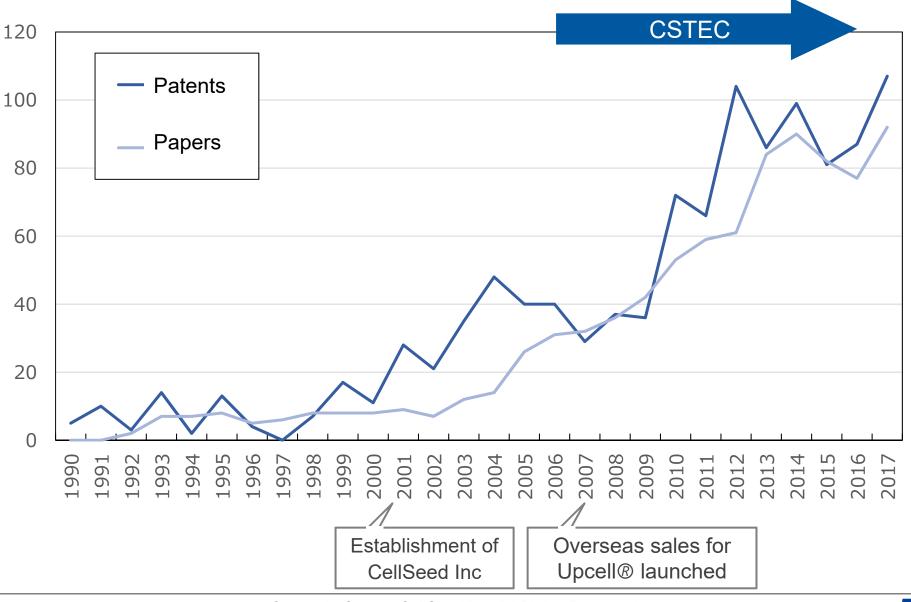
We take the initiative of contributing to global health care in the valuable and innovative field of regenerative medicine.



Development of Treatment Using Cell Sheet Engineering



Expansion of Cell Sheet Engineering



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Financial Summary for the Fiscal Year Ending December 2019

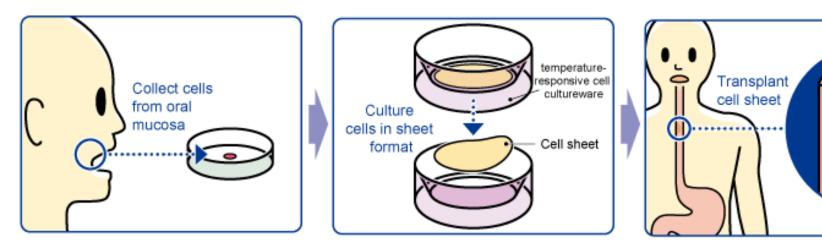
(Unit: Million yen; Presented with fractions less than one million yen rounded off)

	Net Sales	Operating Profit	Ordinary Profit	Profit attributable to owners of parent	Profit per share— basic
Forecast (A)	300	-1,100	-1,100	-1,100	-93.6
Actual (B)	275	-780	-786	-782	-66.6
Change (Millions of Yen) (B-A)	-24	319	313	317	-
Change (%)	-8.1%	_	_	_	_
FY2018	1,026	140	140	129	¥11.35

- Regenerative medicine supporting business: Especially, the overseas sales of equipment grew considerably year on year, hitting a record high. The business of consigned manufacturing of cell sheets was launched in November 2018, using the cell processing facility, and posted sales for the first time in 2019.
- Cell sheet regenerative medicine business: The milestone sales from the exclusive business alliance contract in Taiwan stood at 158 million yen.
- Profit on sales exceeded the estimate, mainly because the expenses for outsourcing development tasks, maintaining the cell processing facility, etc. fell below the initial estimate.

Epithelial Cell Sheet for Esophageal Regeneration (CLS2702C/D)

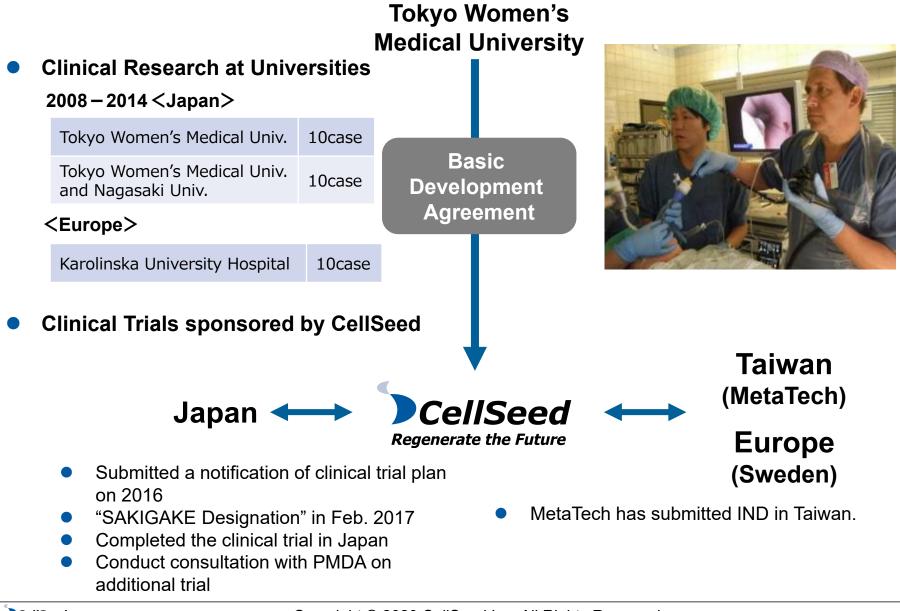
- A medical treatment developed by Tokyo Women's Medical University as a regenerative treatment for esophageal cancer (to heal esophageal wound and prevent stricture)
- Cell sheet is on a temperature-responsive cell culture ware and then transplanted into the ulcerated area in the esophagus after endoscopic surgery for esophageal cancer





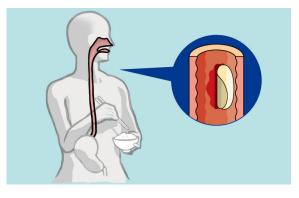
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Clinical Research and Clinical Trials of Esophageal Cell Sheet



Cell Sheet Regenerative Medicine Business in the Fiscal Year Ended December 2019

- Epithelial Cell Sheet for Esophageal Regeneration
- Clinical trial for obtaining approval
- Summer in 2016 Clinical trial commenced.
- 1Q in 2019 Clinical trial finished.



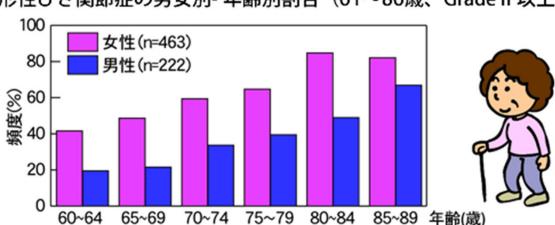
- From 2019 Having a discussion with PMDA about additional clinical trials
- Guidelines for esophageal cancer diagnosis in 2017

Steroid became popular as a major treatment for preventing stenosis.

- It became necessary to apply the sheet to patients who may suffer from adverse effects of steroid administration in additional clinical trials.
- We are having a discussion with PMDA about target patients and the number of cases.

Chondrocyte Sheet

- Disease characteristics
 - Causes : ageing obesity traumatic •
 - No treatment to regenerate lost cartilage is available
- In Japan, estimated number of potential patients 25,300,000 persons of which, 8,000,000 shows symptoms (22nd Century Medical and Research Center)

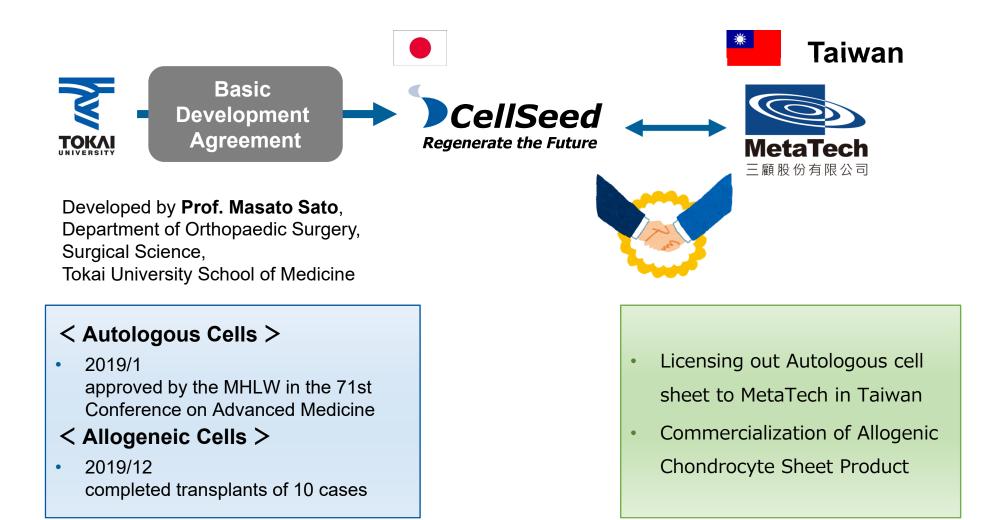


変形性ひざ関節症の男女別- 年齢別割合(61~86歳、Grade II 以上)

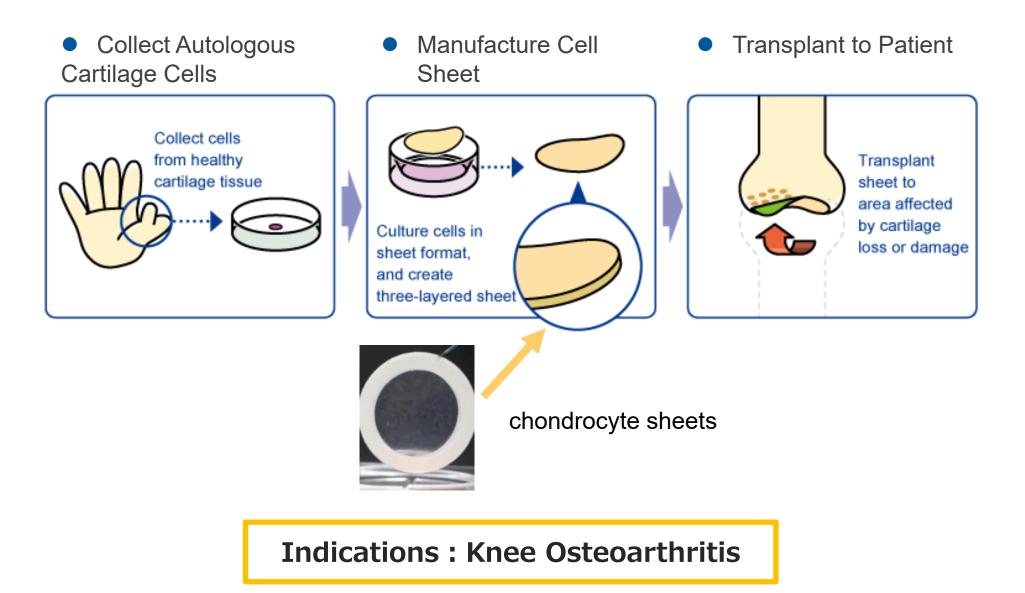
Go Omori, Yoshio Koga and others From epidemiological survey for osteoarthritis of the knee



Overview of Chondrocyte Sheet Project

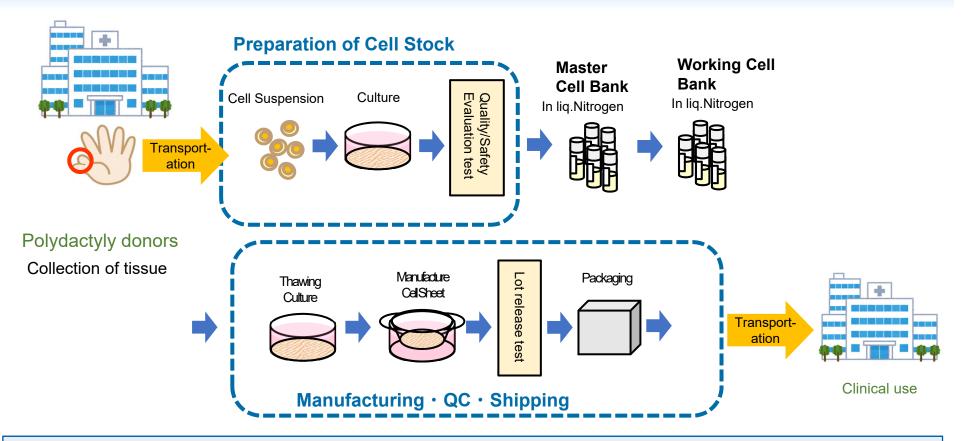


Autologous chondrocyte sheets





Allogeneic chondrocyte sheets



- Clinical Research at Tokai University
 - Completed in December 2019 transplants of 10 cases
 - selected for the 2018 Project Focused on Developing Key Evaluation

Technology: Acceleration of Developing Regenrative Medicine Technology Seeds (for

3 years, from October 2018 to March 2021.)

Cell Sheet Regenerative Medicine Business in the Fiscal Year Ended December 2019

- Regenerated Cartilage Sheet
- Autologous Chondrocyte Sheet
 - Jan. 2019



"The cartilage regeneration treatment with autologous cell sheets" proposed by Tokai University Hospital, with which we conduct joint research, was approved at the 71st advanced medical care meeting.

> Nov. 2019

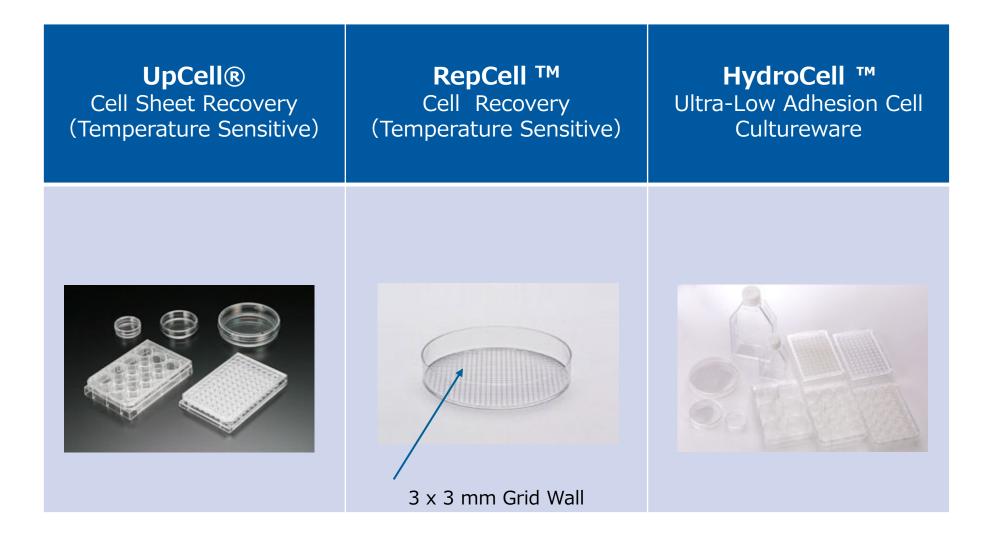
Together with Professor Sato of Tokai University, we applied for a patent regarding "manufacturing and utilization methods of cell culture sheets" in the U.S. and were granted the patent, to protect our intellectual property in Japan, the U.S., and Europe.

- Allogeneic cells
 - Dec. 2019

In Tokai University, allogeneic cartilage cell sheets were transplanted into 10 patients in clinical research.

Since the system for supplying human tissue for commercial use had not been established, it took time to obtain human tissue and the commencement of clinical trials was delayed.

CellSeed Temperature Sensitive Cell Cultureware Lineup





Acquisition of ISO 9001: 2015 Certification

We offer consistent quality and services in the design of and manufacturing control of cell cultureware. To further improve client satisfaction, we have constructed a quality management system and acquired certification under the international standard, ISO9001: 2015. Aiming to boost client satisfaction, we will comply with this standard and with all relevant laws and regulations as we carry out continuous improvement of quality management.

- Date of registration
- : January 6, 2020

: January 6, 2023

- Period of validity
- Scope of registration
- : Design and manufacturing control of cell cultureware Sales of special cell monitoring devices and measuring instruments





Regenerative Medicine Supporting Business

1. Regenerative Cell Sheet Product Manufacture Method Development, Consigned Manufacture	2. Facility Management, Application Submission Support	3. Cell Culturing Technician Training
 Consigned manufacture Manufacture method development Quality testing <characteristics></characteristics> Cell sheet manufacturing using UpCell® Certified facility for specific cell processing (FA3160008) Japanese Society for Regenerative Medicine Certified Clinical Culturing Specialist, including large number of staff with bountiful experience and knowledge of culturing technologies 	 Support for certification application, notification for specific cell processing Document creation for procedural manual, standard handbook, others consulting Cell processing center facilities, support management structure, maintenance provision Application document creation, others 	 Cell sheet culturing training Cell sheet peeling training, others



CellSeed

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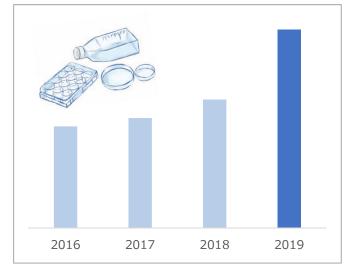
Regenerative Medicine Supporting Business in the Fiscal Year Ended December 2019

- Sales of Equipment
- We collected information on sales of equipment from major distributors and conducted marketing activities in cooperation with distributors for sales promotion.
- We participated in many exhibitions, to promote sales actively.
- Especially, overseas sales increased considerably.



Sales hit a record high.

Variation in sales of equipment



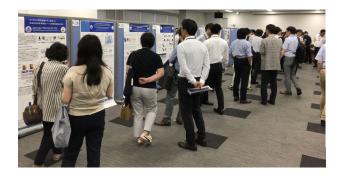
- Contract Development and Manunfactiring Service
- Received the first order for the cell sheet for doctor-led clinical trials of periodontal ligament cell sheets from Tokyo Women's Medical University.
- Conducted cell sheet culture training for academia.



Close collaboration with academia

- Ist Cell Sheet Engineering Innovation Forum July 19, 2019 200 people attended
- Keynote speech : Prof. Teruo Okano
- Presentations of clinical applications
 - Dr. Takanori Iwata : periodontal ligament
 - Dr. Goshi Shiota : liver diseases
 - Dr. Shuichi Sekine : construction of 3D organ
 - Dr. Masato Sato : osteoarthritis
- Poster awards for young researchers
 - Best Performance Award
 - Dr. Tetsuya Imamura (Shinshu Univ.)
 - outstanding performance award
 - Dr. Takumi Takahashi (Tokai Univ.)
 - > Dr. Tetsutaro Kikuchi (Tokyo Women's Medical Univ.)









Production of Application Notes

Dr. Tetsuya Imamura of Shinshu University

At the first cell sheet engineering innovation forum, he received the most excellent poster award.

He engages in regenerative medicine research with the tissue engineering method using mesenchymal stem cells in the department of urology.

Dr.Tetsuya IMAMURA

Assistant Professor

Shinshu University

Department of Urology, School of Medicine

• Research Field

Regenerated Medicine, Lowr Urinary Tract Medicine



2nd Cell Sheet Engineering Innovation Forum

- Date : October 15, 2020
- Venue : Miraikan

Capacity

- : 200 people
- : "Cell Sheet" or research using

Theme

- "temperature-responsive cell cultureware"
- Dr. Tatsuya Shimizu (Tokyo Women's Medical Univ.)
- Dr. Yuji Miyahara
 (Tokyo Medical and Dental Univ.)
- Dr. Ryoichi Sakiyama
 - (Osaka Institute of Technology)



第2回細胞シート工学イノベーションフォーラム

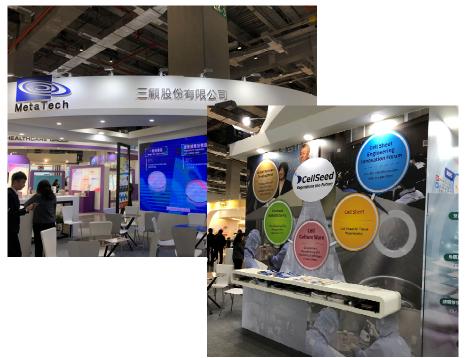
Presentations of clinical

applications

Other activities FY12/2019

- Nov. 2019: Our company and MetaTech in Taiwan took the initiative in joint investment.
- Dec. 2019: Held a press conference in cooperation with MetaTech at Healthcare EXPO TAIWAN.
- Jan. 2020: Established a joint venture.

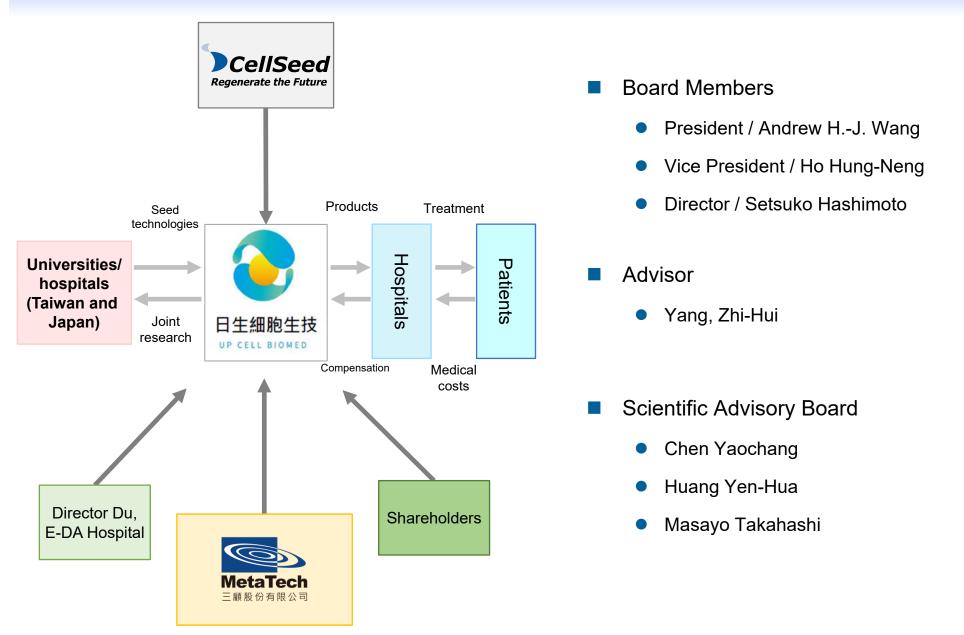




Establishing Up Cell Biomedical Co.

Name	Up Cell Biomedical Co.		
Address	14F2, No. 75, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)		
Representative	President Andrew HJ. Wang		
Business operations	establish utilize the seeds technology provided by Japanese or Taiwanese universities and research institutions in order to develop regenerative medicine products and therapies using cell sheet engineering		
Capital	NT\$130,000,000 (at establishment; approx. 500,000,000 yen)		

Overview of Up Cell Biomedical Inc.



Promoting Global Business Alliances

Scheduled Participation in Exhibitionsin 2020 (Outside Japan)

- May / China BIO (Suzhou)
- December / BioUS (San Diego)
- June / Bio Asia Taiwan (Taipei)
- July / BIO Partnering APAC 2020 (Shanghai)
- September / BIOEU Fall (Germany)
- October
- / Healthcare EXPO TAIWAN (Taipei)







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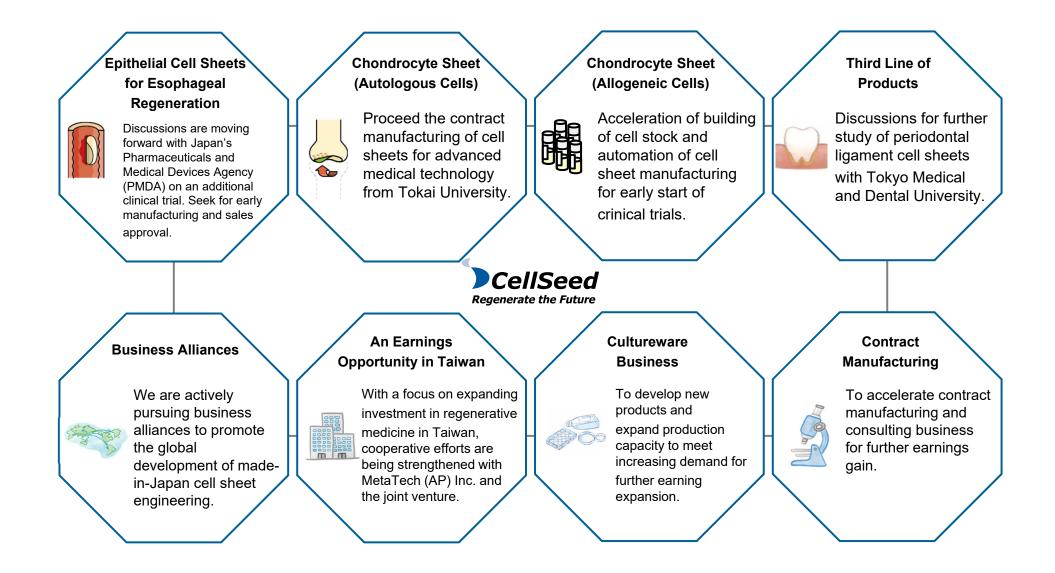
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Mid-term Business Plan Fiscal Year 2020 to Fiscal Year 2022





Mid-term Business Plan (2020 – 2022) Financial Targets

(Unit: Million yen; Presented with fractions less than one million yen rounded off)

	Net Sales	Operating Profit	Ordinary Profit	Profit attributable to owners of parent
FY2020 (Estimate)	310	-1,020	-1,020	-1,020
FY2021 (Target)	360	-1,030	-1,030	-1,030
FY2022 (Target)	1,400	10	10	8

*sales composition (Millions of yen)

Regenerative Medical Products Business

FY2020:230 FY2021:320 FY2022:390

Regenerative Medicine Supporting Business

FY2020:80 FY2021:40 FY2022:1,010

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