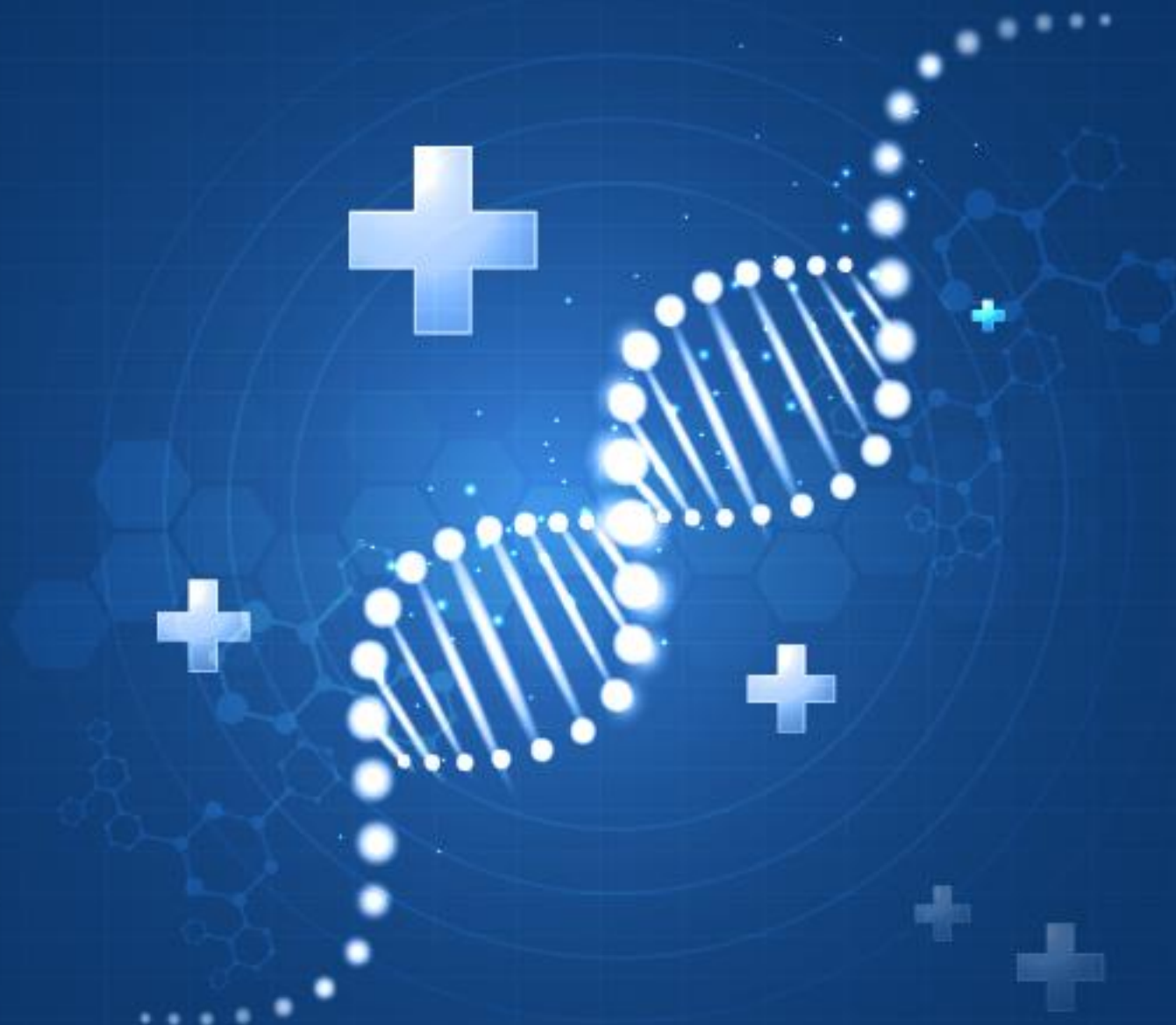


Investor Presentation

Heron Neutron Medical Corp. (TWSE: 7799)

January 2026



Agenda



1

Overview of Company

3

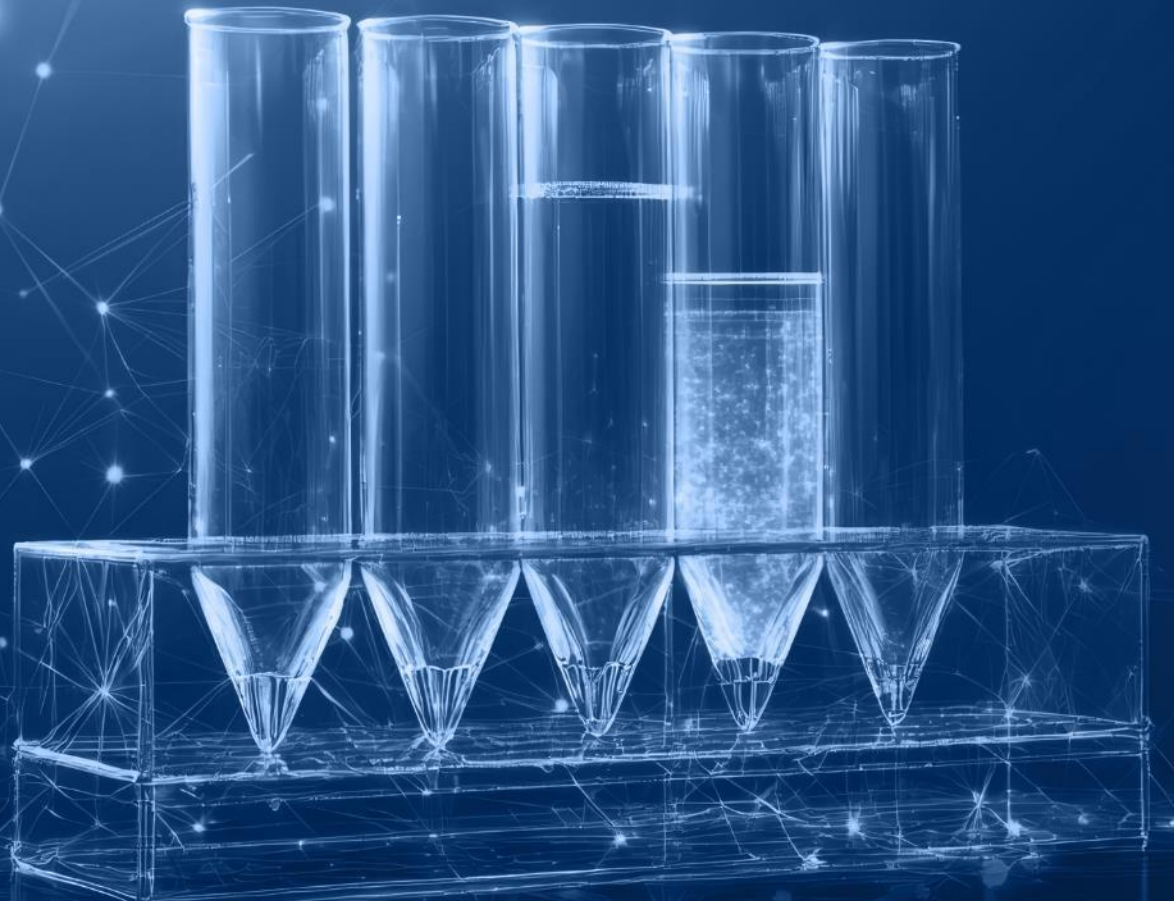
Investment Highlights

2

Industry Overview

4

Appendix



1

Overview of Company

About Us



Founded Headquarters

August 8, 2017

No. 66-2, Shengyi 5th Rd., Zhubei City, Hsinchu County, Taiwan
(Hsinchu Biomedical Science Park)



Capital

NTD 1,574,465,000



Management Team

Chairman: Chin Yung Shu
CEO: Leo Shen



Employee

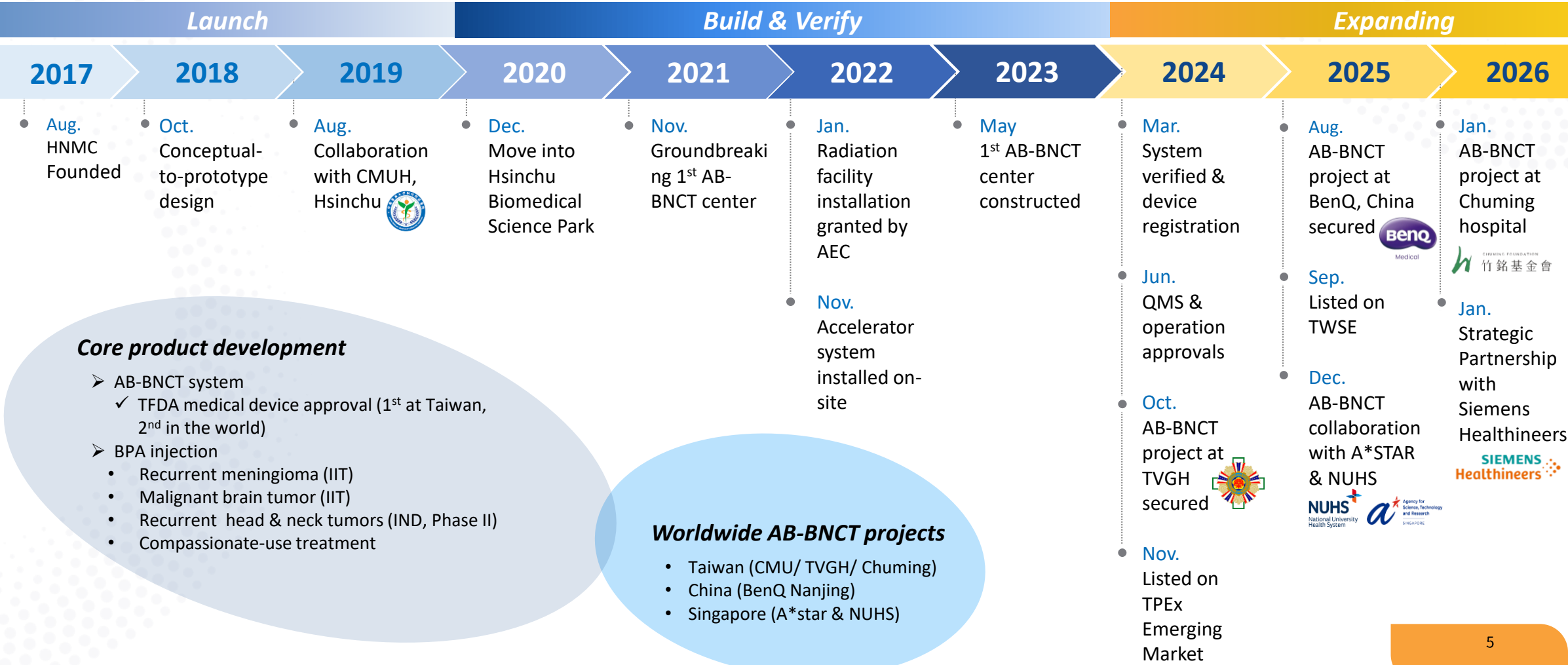
100+ (As of 2025/12)



Business

AB-BNCT Total Solution

History and Key Milestones



Core product development

- AB-BNCT system
 - ✓ TFDA medical device approval (1st at Taiwan, 2nd in the world)
- BPA injection
 - Recurrent meningioma (IIT)
 - Malignant brain tumor (IIT)
 - Recurrent head & neck tumors (IND, Phase II)
 - Compassionate-use treatment

Worldwide AB-BNCT projects

- Taiwan (CMU/ TVGH/ Chuming)
- China (BenQ Nanjing)
- Singapore (A*star & NUHS)



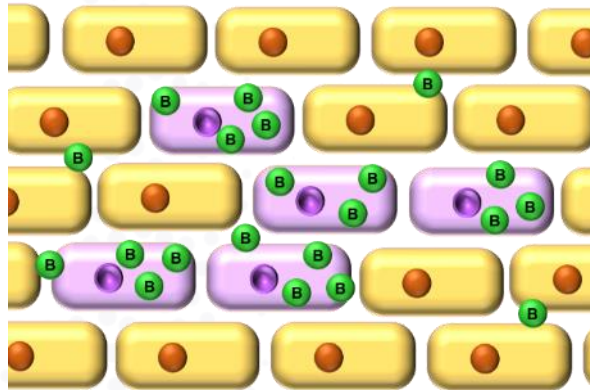
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Industry Overview

What Is BNCT Treatment

BPA Concentration Tumor/Normal ~3

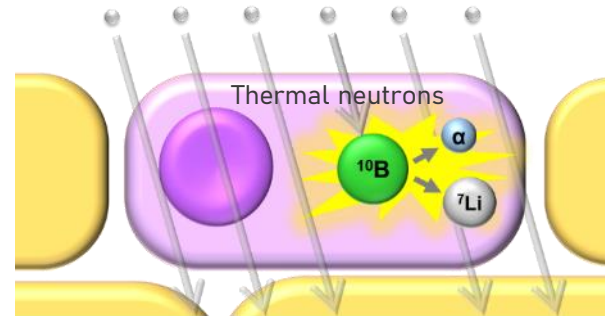
Boron (^{10}B) containing **drug**, such as BPA, **preferentially accumulate** in cancer cells via **LAT-1**.



Compound Biological Effectiveness: 3.8 for tumor cell; 1.3 for normal cell

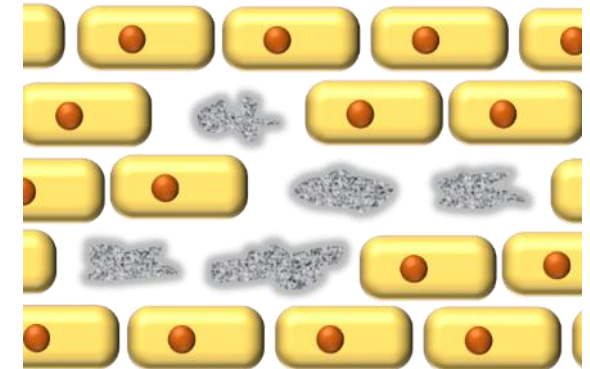
Epithermal neutrons are slowed down to **thermal neutrons**, react with ^{10}B , and generate **high-LET charged particles** that deposit energy **within the cell**.

epithermal neutron beam



Boron Dose of tumor/normal cell ~9

This causes **DNA double-strand breaks** with **minimal damage to normal tissue**.

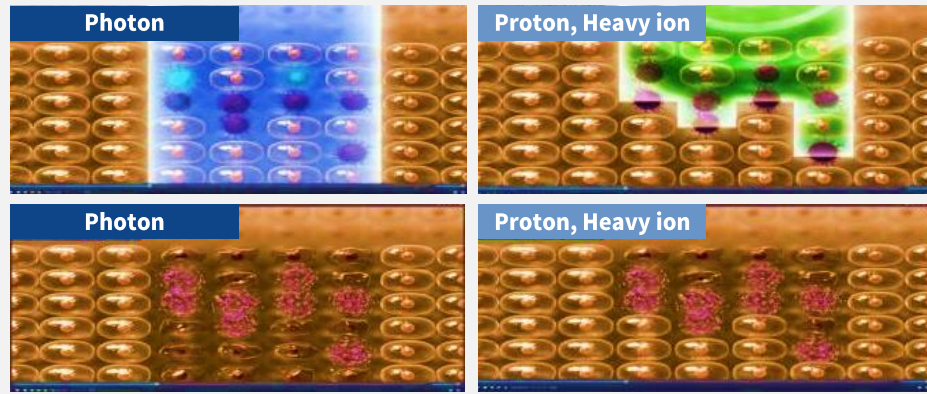


BNCT relies on ^{10}B -neutron reactions to generate high-LET particles, selectively damaging tumor cells while sparing normal tissue.

Why BNCT?

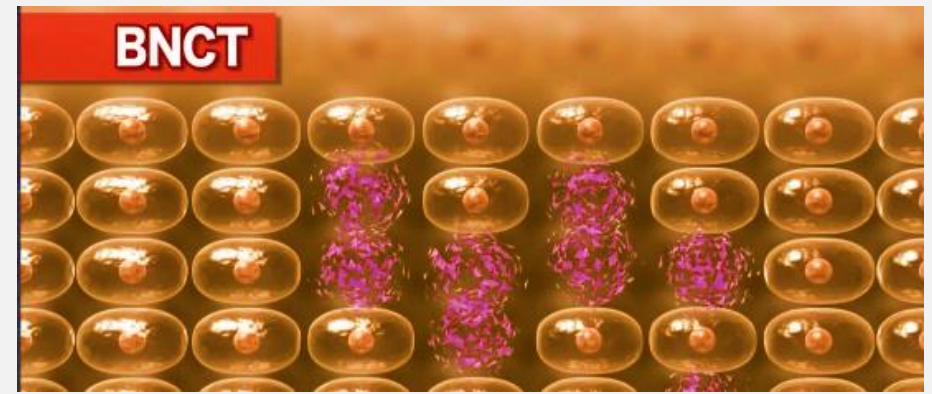
Conventional Radiotherapy

- Relies solely on physical energy to kill tumor cells
- Causes varying degrees of damage to surrounding healthy tissue

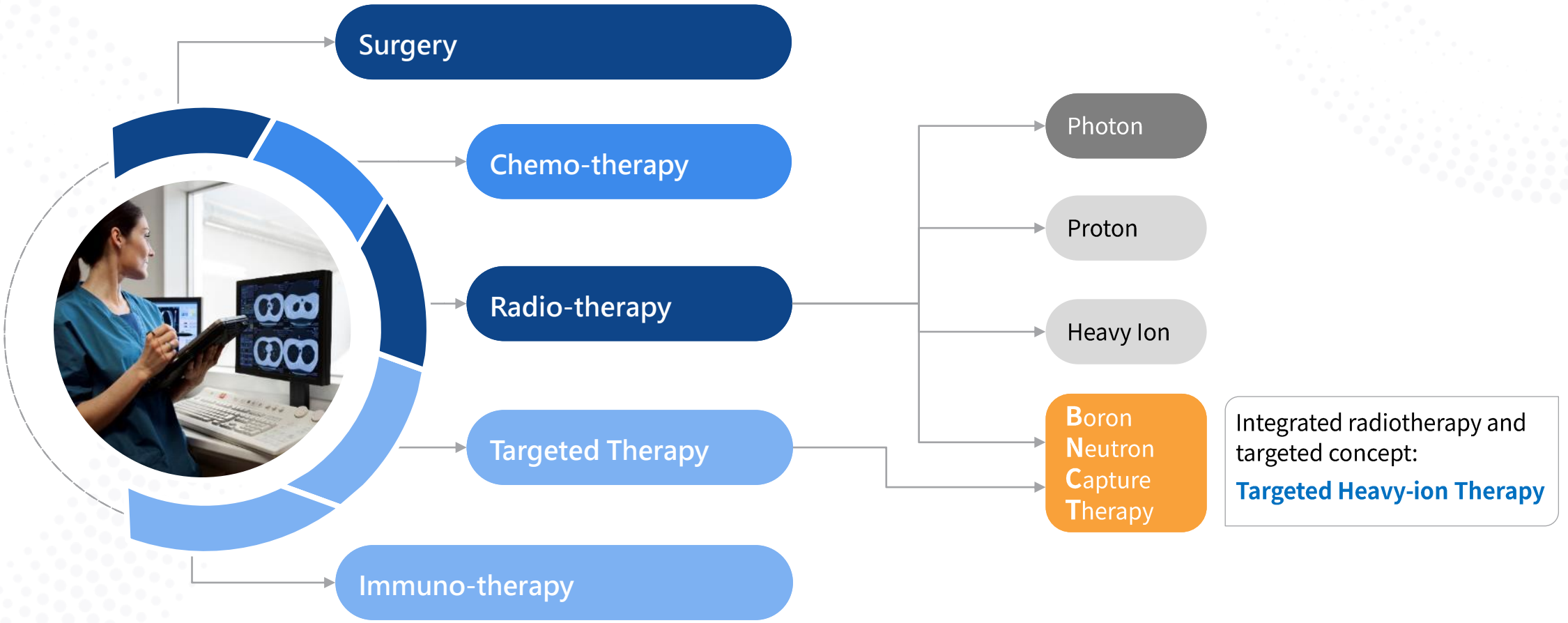


BNCT

- **Selectively targets tumor** cells via drug delivery
- Radiation energy is released within tumor cells, **effective protecting** healthy tissue



Targeted Heavy Particle Therapy



Market Positioning

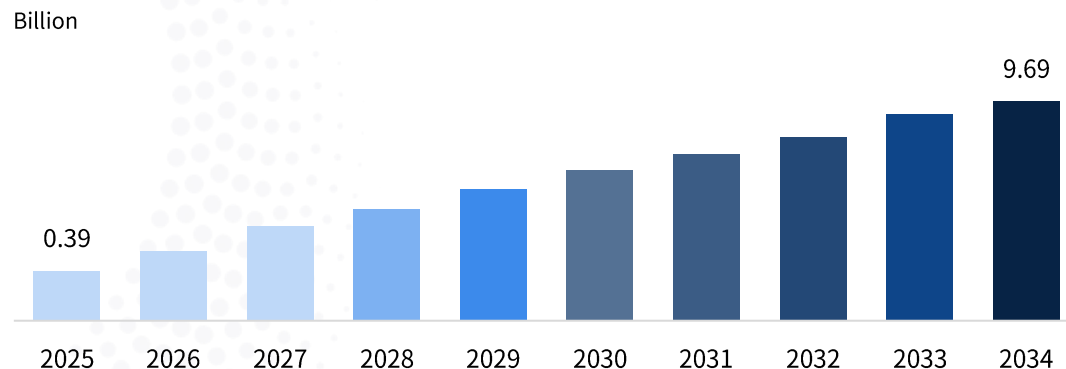
Item	Boron Neutron Capture Therapy (BNCT)	Conventional Radiotherapy (Photon)	Proton/Heavy Ion Therapy
Tumor Selectivity	Biological targeting enables precise tumor selectivity	Limited tumor-normal tissue discrimination	Limited tumor-normal tissue discrimination
Indications	Hard-to-treat cancers: recurrent, refractory, radio-resistant, skull base & deep-seated tumors, and others	Applicable to nearly all types of cancer	Pediatric, skull base and central nervous system tumors, prostate cancer, liver cancer, lymphomas, sarcomas, etc.
Side Effects	Low	High	Moderate
Number of Treatments	Few (typically 1-2 fractions)	Many (25-35 fractions)	Moderate (10-30 fractions)
Treatment Cost	~ NT\$1,000k ≈ USD\$33k per session	Covered by National Health Insurance (~NT\$200k ≈ USD\$6,700)	~ NT\$600k-1,400k ≈ USD\$20k-47k
Predictability of Outcome	Boron distribution predictable via FBPA-PET	Not predictable	Not predictable
Facility Space	Single treatment room: Area~ 250 - 500 m ² Height~ 4 m Dual treatment room: Area~ 700 - 1000 m ² Height~ 4 m	Area~ 100 m ² Height~ 3 m	Large scale proton/heavy ion: Area~ 3000 - 6000 m ² Height~ 10 - 15 m Small scale proton/heavy ion: Area~ 200 - 500 m ² Height~ 9 - 10 m
Hospital Construction Cost	~NT\$1.2B ≈ USD\$38M	~NT\$0.5-1.5B ≈ USD\$16-47M	~NT\$1.4-4.5B ≈ USD\$44-141M
Facilities in Taiwan	In operation: 1 Under construction: 2	~141	Heavy ion in operation: 1 Heavy ion under construction: 2 Proton in operation: 4 Proton under construction: 9

Global BNCT Market Opportunity: USD 9.69 Billion by 2034

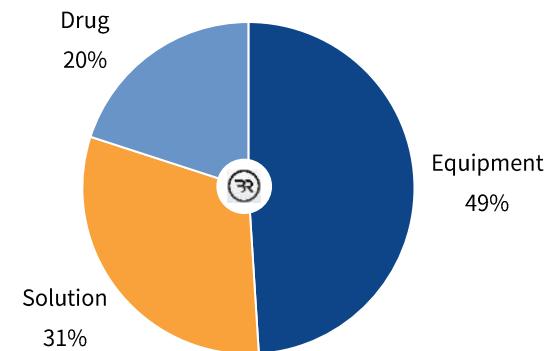
- **Market Size & Growth:** According to **Business Research Insight**, the global BNCT market is estimated at **USD 390 million in 2025**, with a projected **CAGR of 43.3%**, reaching **USD 9.69 billion by 2034**.
- **Market Drivers:** Strong clinical demand, technological breakthroughs, and supportive policies and market trends.
- **Market Segmentation:** BNCT **equipment** accounts for approximately **49%** of the market, **solutions** (dose calculation, treatment planning, monitoring, etc.) account for **31%**, and **drugs** account for **20%**.

[GUESSTIMATED CHART]

BORON NEUTRON CAPTURE THERAPY (BNCT) MARKET SIZE, 2024



BORON NEUTRON CAPTURE THERAPY (BNCT) MARKET BY TYPE, 2034



REPORT INSIGHTS

Source: Business Research Insights

Note:

1. The target market is currently limited to head and neck cancers and brain tumors.

Market Competition Overview

DOMESTIC / INTERNATIONAL	COMPANY	NEUTRON IRRADIATION SYSTEM	TREATMENT PLANNING SYSTEM	BORON DRUG	RADIOPHARMACEUTICAL	MEDICAL DEVICE / DRUG APPROVAL
Taiwan	HE RON	Independent development	Independent development	Independent development -> CDMO	Independent development -> CDMO	TFDA
International	Company A	Independent development	Adopting third-party calculation engine and TPS interface	Provided by a third party	-	PMDA
	Company B	Independent development	Independent development	-	-	-
	Company C	Independent development	-	-	-	-
	Company D	Independent development	Independent development	Provided by a third party	Provided by a third party	-
	Company E	Independent development	Adopting third-party calculation engine and TPS interface	-	-	-
	Company F	Independent development	Adopting third-party TPS interface	-	-	-

Competitive Landscape

Melting Point Be : 1278 degrees Celsius
Li : 180 degrees Celsius

	HE RON Neutron Medical Corp.	Company A	Company B	Company C	Company D	Company E	Company F
Target	Be	Be	Be	Li	Li	Li	Li
Accelerator	Cyclotron	Cyclotron	RFQ+DTL	RFQ	Electrostatic (Tandem)	Electrostatic (Single-ended)	Electrostatic (Tandem)
Proton Current (mA)	0.25	1	2	20	8	30	10
Proton Energy (MeV)	30	30	10	2.5	2.3	2.6	2.5
Power (kW)	7.5 (Much safer)	30	20	50	18.4	78	25
Epithermal Neutron Flux (1×10^9 n cm ⁻² s ⁻¹)	1.24	0.7	1.03	0.73	0.9	1.4	>0.6
Proton Efficiency (10 ⁹ Neu Flux/mA)	4.94 (Highest efficiency)	0.7	0.52	0.04	0.08	0.04	0.06
Regulatory approval	TFDA (1 st and only in TW)	PMDA	N/A	N/A	N/A	N/A	N/A
Decay time of radionuclide	10 min	> 2 hours	--	--	--	--	--
Capacity (patient/day)	6 (Highest turnover rate)	2	--	--	--	--	--



3

Investment Highlight

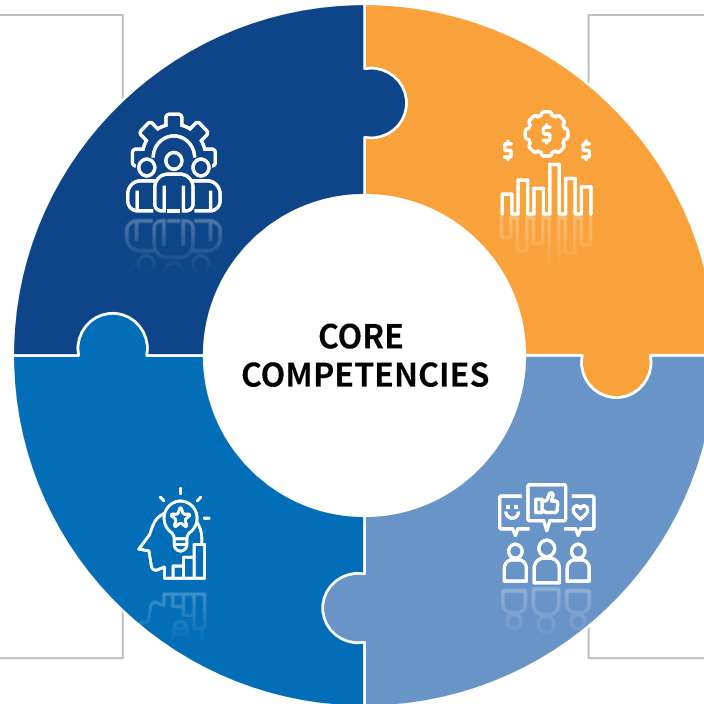
Investment Highlights

Proprietary Leading Technology

- **Highest Efficiency** & Lowest Operating Cost
- **World's Only** Total Solution Provider
- High-Barrier, **Billion-Dollar** Blue Ocean Market

Comprehensive Strategic Plan

- The Most Extensive **Clinical Experience and Indications**
- **Strategic indication discovery**
- From **second-line to first-line** radiotherapy option



Flexible & Innovative Business Model

- **Razor-and-Blade Model**
- **Device Revenue:** One-time income from equipment sales
- **Recurring Revenue:** Continuous income from drugs and maintenance services

High-Performance Professional Team

- **3 Months:** Obtained medical device approval
- **9 Months:** Completed 100 cases of compassionate use treatment
- Clinical Development: **4 clinical trials conducted simultaneously**
- Performance: All milestones **achieved ahead of or on schedule**

Product & Core Technology

Neutron irradiation system (NIS)

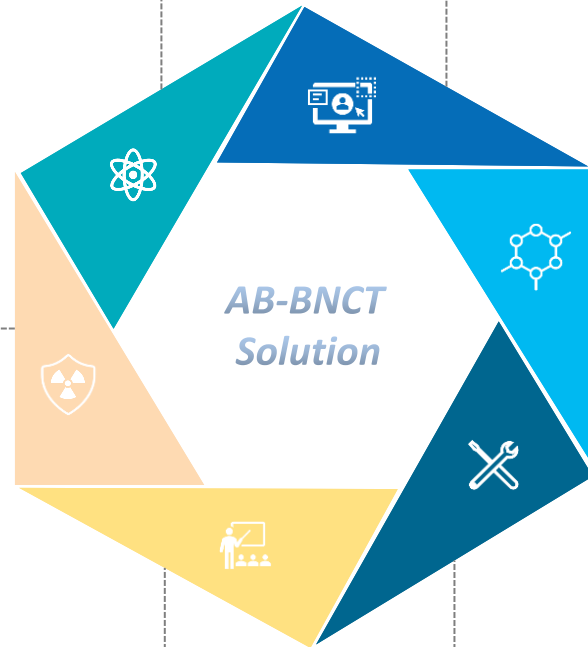
- Highest epithermal neutron efficiency
- High treatment capacity
- Residual dose control
- Compact dual beam system
- TFDA approval

Site planning and shielding

- Professional neutron shielding design
- Developed neutron shielding material
- Customizable layout design
- Activation assessment

Personnel training

- Radiation safety
- AB-BNCT system operation
- Neutron beam QA
- Clinical workflow
- Academic research supports



Advanced software

- Treatment control system
- BNCT treatment planning system
- High speed dose engine
- Patient positioning system

Boron drug

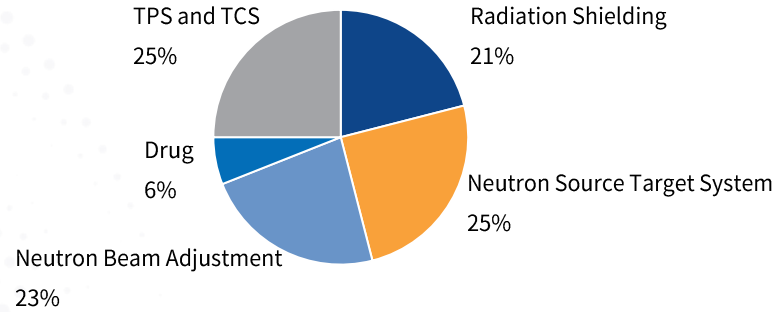
- GMP production of BPA injection
 - Clinical trials
 - Compassionate-use
- Patented precursor of FBPA
- Automatic synthesis of FBPA

System services

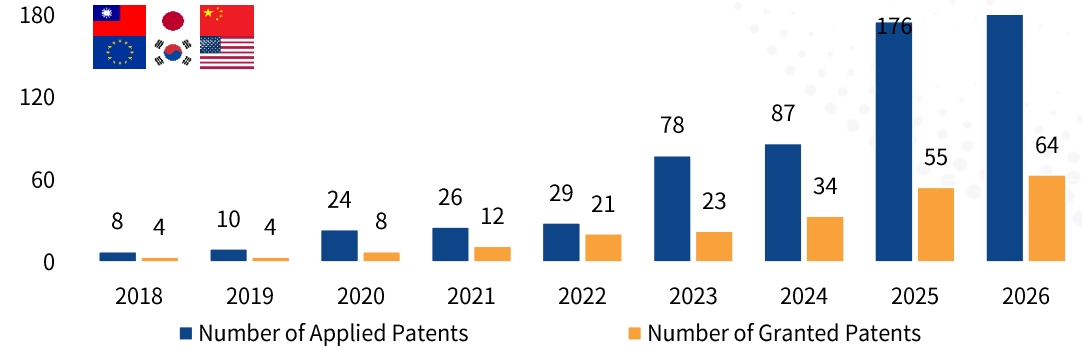
- AB-BNCT system maintenance
- Synthesizer maintenance
- Neutron monitor calibration

Patent Portfolio

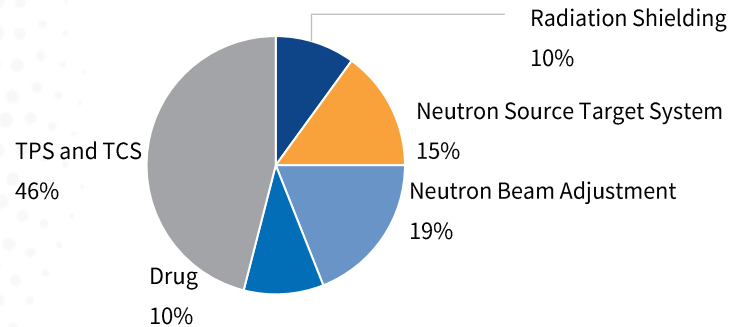
Global Patent Certification in The Past Five Years



Patent Portfolio Expansion of HNMC



HNMC Patent Portfolio



Summary of patent

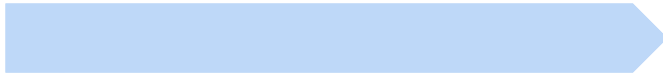
- Patent application: **200**; Patents grant: **64**
- Key patent field:
 - Neutron Production System
 - Neutron production target
 - Beam shaping technology
 - Neutron moderator material
 - Treatment Control system
 - Treatment Planning system
 - Patient positioning system
 - Production of FBPA

Development Strategy

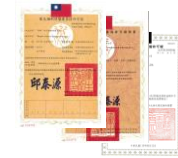
HNMC established



AB-BNCT System



1 Medical device regulatory approval

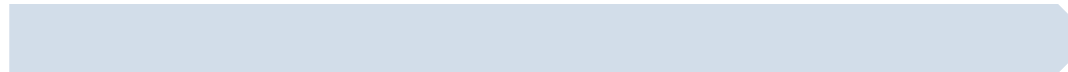


Treatment Drug: ^{10}B L-BPA Injection



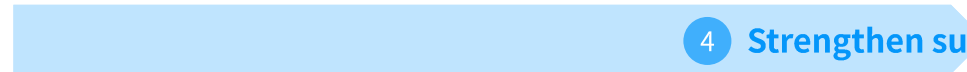
2 Clinical deployment and validation

Diagnostic Drug: ^{18}F BPA Injection



3 Realizing Theranostics

Indigenously developed proton accelerator



4 Strengthen supply chain

End-to-End AB-BNCT Solutions · Accelerated Clinical Discovery · Strengthened Supply Chain

Clinical & Compassionate Treatments

Indication	
Head and Neck	Buccal cancer (hard palate \ upper gum \ lower gingiva \ Tongue \ Soft plate); Tonsil cancer; Laryngeal cancer; Sinus cancer; Nasopharyngeal carcinoma; Parotid gland carcinoma
Central Nervous System	Diffuse midline glioma; Glioblastoma; Ependymoma; Anaplastic oligoastrocytoma; Meningioma; Solitary fibrous tumor, meningeal; Skull base chordoma
Thoracic	Lung squamous cell carcinoma; Adenocarcinoma; Synovial sarcoma, lung; Mesothelioma
Breast	Invasive ductal carcinoma; Triple-negative breast cancer; Breast cancer with brain metastases
Soft Tissue & Bone	Undifferentiated pleomorphic sarcoma; Chondrosarcoma; Osteosarcoma; Synovial sarcoma; Dermatofibrosarcoma protuberans; Myxoid spindle cell sarcoma; Atypical lipomatous tumor; Malignant peripheral nerve sheath tumor; Unclassified spindle to epithelioid tumor
Skin & Melanocytic	Melanoma
Endocrine	Anaplastic thyroid carcinoma
Female Genital Tract	Vaginal cancer; Squamous cell carcinoma of reconstructed labia minor

	Patient number	Treatment number
Domestic treatments (2024/11/10 -)	97	139
International treatments (2025/01/15 -)	13	26
Total treatments (2024/11/10 -)	110	165

Data as of December 31, 2025



USA

Italy

Australia

Russia

Brazil



China



Indonesia



Malaysia



Vietnam




Product Develop Progress

	Indication	Preclinical	IND/IRB Approval	Clinical Trial	Commercialization/Study Completion
Neutron Irradiation System ¹⁰B L-BPA Injection (Treatment Drug)		[Progress bar spanning Preclinical, IND/IRB Approval, and Clinical Trial phases]			Medical device approval obtained (TFDA)
	rH&N ¹ (IND)	[Progress bar]	[Progress bar]	[Progress bar]	Recruiting
	Recurrent Meningioma (IIT)	[Progress bar]	[Progress bar]	[Progress bar]	Final report under TFDA reviewing
	Malignant Brain Tumor (IIT)	[Progress bar]	[Progress bar]	[Progress bar]	Recruiting
	Neoadjuvant H&N ¹ Cancer (IIT)	[Progress bar]	[Progress bar]		Protocol reviewing
	Recurrent Thoracic Cancers (IIT)	[Progress bar]	[Progress bar]		Pre-reviewing under CDE ⁵
	Recurrent TNBC ² (IIT)	[Progress bar]	[Progress bar]		Protocol designing
¹⁸F BPA Injection (Diagnostic Drug)		[Progress bar spanning Preclinical and IND/IRB Approval phases]			IND submitted, under IRB reviewing

Notes:
 1. H&N: Head & Neck
 2. TNBC: Triple Negative Breast Cancer
 3. IND: Investigational New Drug
 4. IIT: Investigator-Initiated Trial
 5. Center for Drug Evaluation

AB-BNCT Commercialization Momentum



GROWTH DRIVERS


Patient, Physician, and Hospital Demand Drivers

- **Treatment Advantages :**
Low treatment frequency (1–2 fractions), minimal side effects
- **Patient Demand Drivers :**
Increasing patient awareness and **proactive inquiries** about BNCT treatment
- **Physician, Hospital, and Regulatory Support :**
Compassionate use, clinical experiences with BNCT, clinical evidence

Capacity and Revenue Growth Drivers

- **Flexible Business Model :** Increases hospital willingness to adopt and invest
- **Facility Expansion :**
Each additional treatment site expands patient reach
- **Investment Attractiveness :**
High patient penetration potential (treatment volume × eligible indications)

MARKET PULLS



Business Model

DEVICE SALES

- USD 40–55M / unit
- Buyout | Leasing | BOT | Profit Sharing
- 5 units Secured

DEVICE MAINTENANCE

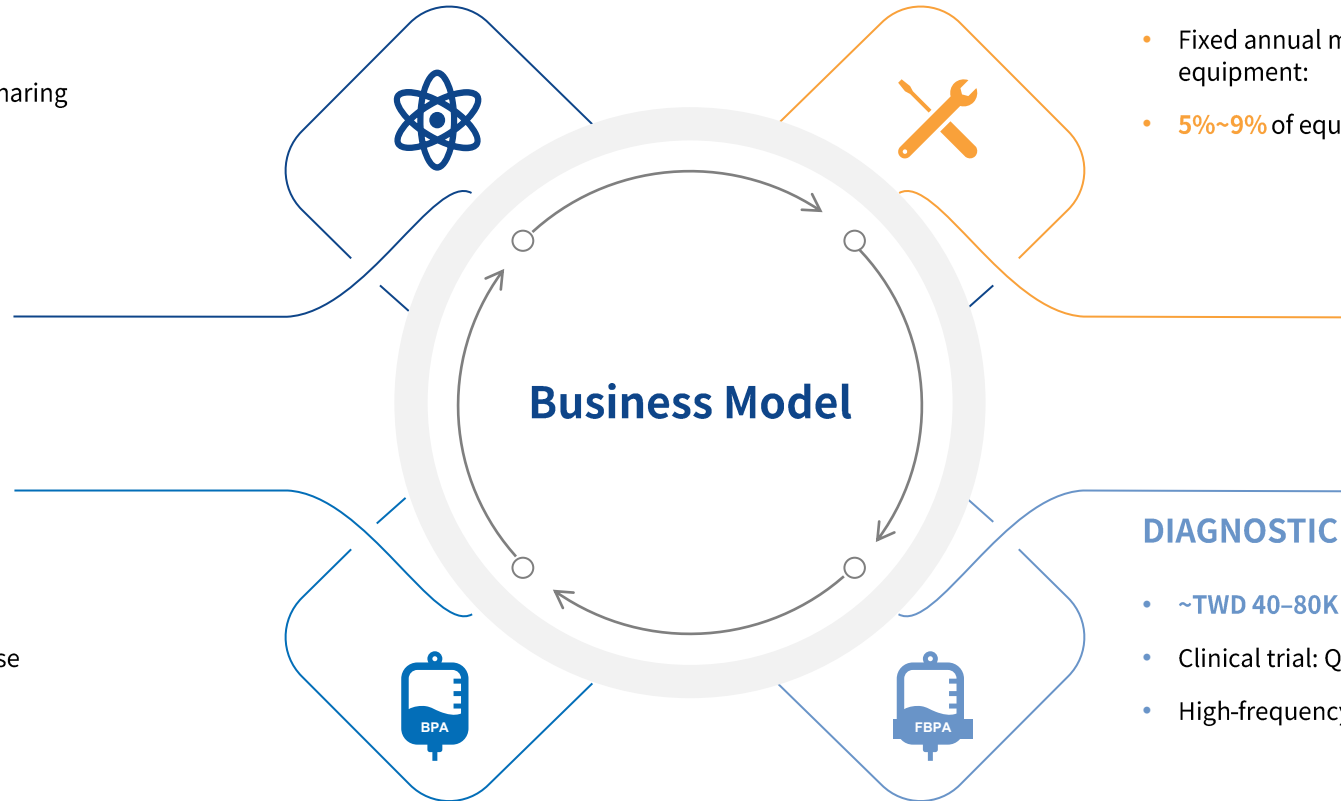
- Fixed annual maintenance cost of radiotherapy equipment:
- 5%~9% of equipment sales price

THERAPEUTIC DRUGS

- ~TWD 400K / patient*
- Clinical trial / Compassionate use
- Standalone commercialization

DIAGNOSTIC DRUGS

- ~TWD 40–80K / scan
- Clinical trial: Q4 2025
- High-frequency usage



Notes:
1. With reference to Japanese pricing

Ongoing Development



Chairman



Chin Yung Shu

Heron Neutron Medical Corp.
Chairman

PRESENT POSITION :

- Vice Chairman of Hermes-Epitek Corp
- Chairman of Huntertext Corp.
- Chairman of Shinyu Light Co., Ltd.

EXPERIENCE :

- Vice President of Taiwan Semiconductor Manufacturing Company Limited (TSMC)
- General Manager of United Microelectronics Corporation (UMC)
- Chairman of Hermes Microvision Corp. (HMI)
- President of Hermes-Epitek Corp.

EDUCATION :

- BS in Electrical Engineering, National Chiao Tong University
- MS in Optoelectronics, National Chiao Tong University

General Manager



Leo Shen

Heron Neutron Medical Corp.
General Manager

PRESENT POSITION :

- Executive Assistant to Chairman of Hermes-Epitek Corp.
- General Manager of Heron Neutron Medical Corp.
- CFO of Chu-Ming Medical Foundation
- Chairman of Genese Intelligent Technology Co., Ltd.
- Chairman of NDV Therapeutics Corp.
- Chairman of Energic Technologies Corp.
- Director of GlintMed Innovation Co., Ltd.
- Director of High Power Opto. Inc.
- Director of 3R Life Sciences Taiwan Ltd.
- Director of Hepius Care Inc.
- Director of Voltraware Semiconductor Co., Ltd.
- Director of Helios Bioelectronics Inc.
- Director of Swiroc Corp.

EXPERIENCE :

- **2016-2019** ASML Taiwan management team
- **2016-2019** Person in charge of merger of HMI and ASML and post-merger integration
- **2012-2016** General Manager, CFO, and Spokesman of Hermes Microvision, Inc. (HMI)
- **2012** HMI IPO & GDR
- **1997-2005** PwC Accountant-Audit and Internal Control, Manager of Computer Audit Department of PwC Taiwan

EDUCATION :

- EMBA, National Chiao Tung University
- BS in Accounting, Tunghai University

Management Team



Rich Sun

Center Manager
Supply Chain Management



Andre Lin

Center Manager
Clinical Medicine



Henry Chen

Center Manager
Research & Engineering



Vincent Wang

CFO/Center Manager
Operation Managing



Will Lee

Center Manager
Business Development



Thank You



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<https://www.heron-neutron.com/>

January 2026

Precision Care for Renewed Life Heron Neutron Medical Corp.