

AmCad BioMed Corporation

2023 Institutional Investor Conference

Chairman and CEO
Yili Lee
2023/11/28

Statement

1. Apart from historical data, the matters listed in this presentation that are forward-looking statements may be subject to significant risks and uncertainties, which could result in differences between these forward-looking statements and actual outcomes.
2. The future projections presented in this document reflect the company's views as of the current date. However, the company is not obligated to update this information in case of any events or changes in the environment.
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4. The content of this presentation includes all entities belonging to the consolidated financial statements.



安克生醫 **Pioneering Ultrasound AI**

Helping physicians diagnose confidently and efficiently

The first medical device company to obtain FDA approval for ultrasound computer-aided diagnosis (CAD) in the United States. Leveraging world-leading technology combined with artificial intelligence (AI) and medical expertise, we are committed to addressing unmet clinical needs, providing optimal solutions, and serving as a pioneer in intelligent medical imaging.

Founded	Dec. 2008
Business	Product development, Manufacturing and Sales for Innovative Medical Device
Capital	TWD 530M
Subsidiary	Broadsound Corporation
President	Yili Lee
Number of Employees	75

Products



Regulatory Certification



Obtained **MDR CE certificate** in November 2023.

AmCad BioMed Corporation

5F., No. 167, Fuxing N. Rd., Songshan Dist., Taipei City 105403, Taiwan (R.O.C.)
SRN: TW-MF-000013445

has been assessed and certified as meeting the requirements of

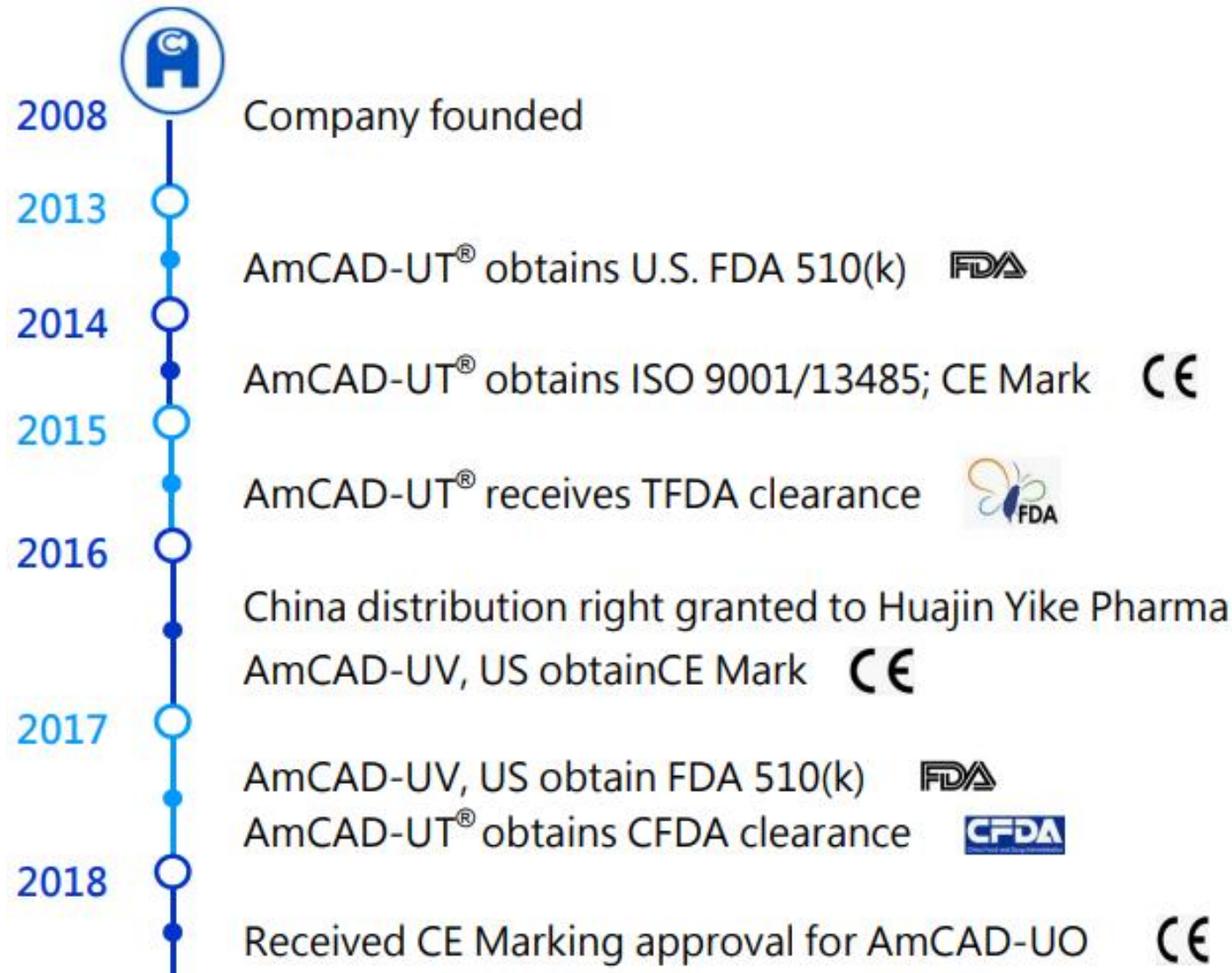
MDR EU Quality Management System certificate (Annex IX QMS)

For the following products

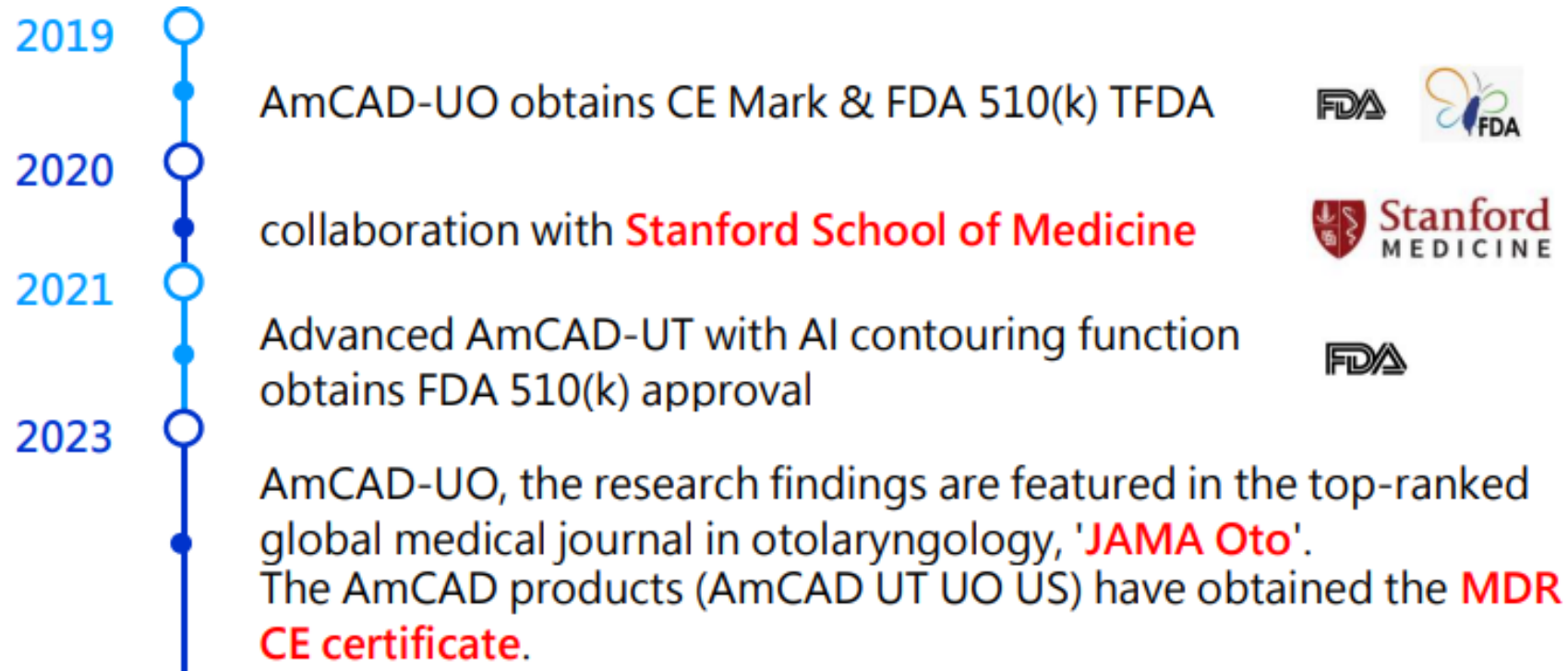
Class IIa - MDA0315, MDS1009

*CAD = Computer-Aided Detection

Milestones



Milestones



In 2023, AmCAD UT[®] start business in three internationally renowned institutions: Kochi University in [Japan](#), the Advanced AI Clinic in Dubai, [UAE](#), and a well-known thyroid specialist hospital in Berlin, [Germany](#). Demonstrating AmCAD UT[®] recognition in the global market. AmCAD-UO[®] commenced sales in 2022 and has been implemented in medical facilities in [Taiwan](#) and [Thailand](#).

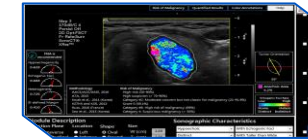
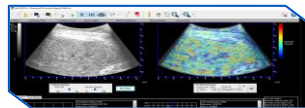
Product Lines



- Automated ultrasound scanning and detection of pharyngeal airway
- Risk evaluation of obstructive sleep apnea (OSA)
- FDA 510(k), CE certified



- FDA 510(k), CE certified
- Imaging of the backscattered signals for assessment of tissue variation



- FDA 510(k), CE, TFDA, CFDA certified
- Assessment of malignancy potential for thyroid nodule sonographic features
- Risk analysis of malignancy for thyroid nodule



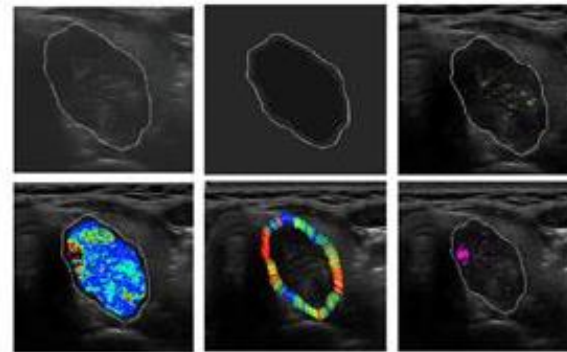
- Breast Ultrasound AI Live CAD



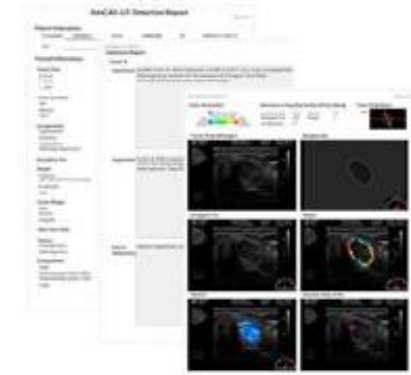
- Cytology microscopic image processing
- Visualization and quantification of clinical cytology features



- FDA 510(k), CE, TFDA, CFDA certified
- Automated nodule identification and segmentation
- Patented technologies to visualize and quantify sonographic features
- Recommendation based on TI-RADS and global guidelines
- Automated report generation



Visualization of Thyroid
Ultrasound Features

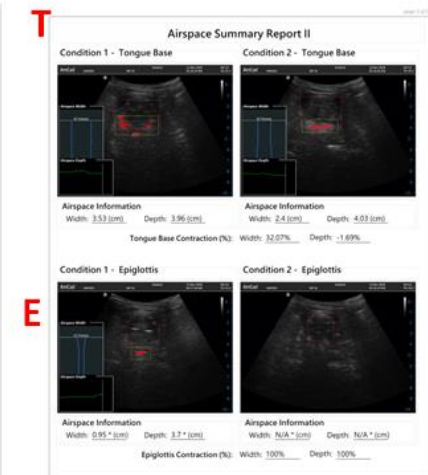


Automated report generation



Detection system for Obstructive Sleep Apnea

- FDA 510(k), CE, TFDA certified
- Patented Laser Guided Positioning
- Algorithmic Detection and Analysis
- Automated Upper Airway Scanning on Awake Patients
- Rapid testing with automated report generation.



Roadmap of Medical Innovation Development



Continued Execution

- ▶ Product KFDA Certification Application.
- ▶ Applying for the European Health Insurance Claim Code.
- ▶ Continue to promote domestic hospitals and health diagnosis channels.(NTUH Health Management Center)
- ▶ Execute post-market clinical research and paper publication with well-known teaching hospitals at home and abroad, and expand product application.
- ▶ To accumulate product popularity by exhibiting , Internet publicity.

Completed this year

- ▶ CE MDR certificate.
- ▶ Conducted post-market clinical research in collaboration with [Stanford Medical Center](#) and NTUH Health Management Center, and published the enrollment results after the market launch.
- ▶ UT+UO has published 35 research papers.

Key Marketing Events of 2023

Domestic

- AmCAD UT® start business in Kaohsiung Medical University Chung-Ho Memorial Hospital, Taipei Medical University Shuang-Ho Hospital, Tri-Service General Hospital Penghu Branch, Min-Sheng General Hospital, and St. Martin de Porres Hospital.
- AmCAD UO® start business in NTUH Health Management Center、China Medical University Hospital、Harvard Clinic.
- Held Applications of Upper Airway Ultrasound AI inSleep Science Forum on May 27th.
- Participated in BioAsia for marketing promotion.
- Collaborated with NTUH Health Management Center to publish the results of the enrollment study.
- Collaborated with My lux vitae for corporate screening, coupled with the sale of OSA auxiliary therapy devices.

International

- Participated in exhibitions for marketing promotion: Arab Health in January, Thailand ENT Congress in May, Medical Fair Asia in August, Taiwan Thailand Smart Healthcare Conference, and Medica in November, enhancing product visibility.
- Collaborated with Stanford Sleep Center to publish a paper in JAMA Oto in May and delivered three presentations at the World Sleep Congress in October.
- Collaborated with National Taiwan University Dental Department to present midterm enrollment results at the APSS in June.
- Swiss clinical case applying for European insurance code.
- Initiated clinical research collaboration with two major hospitals in Thailand.

AmCAD UO[®] testing implementation

Harvard Clinic-Neihu Branch



China Medical University Hospital-Taichung Branch



Held Applications of Upper Airway Ultrasound AI inSleep Science Forum with Taiwan Society of Sleep Medicine.

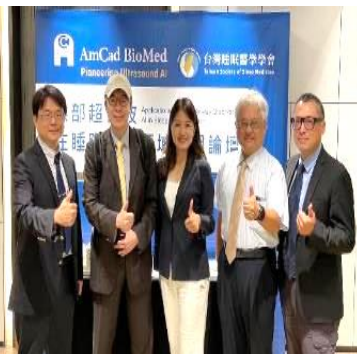


08:30 - 09:00 Reception

09:00 09:10	Opening	Speaker : 臺北榮民總醫院 / 周昆達醫師
09:10 09:40	Seeing the sound of sleep	Speaker : Stanford University School of Medicine / Dr. Stanley Liu Moderator : 長庚紀念醫院 / 李學禹醫師
09:40 09:50	Discussion	Panelist : 長庚紀念醫院 / 林婉妮醫師 成大醫院 / 林政佑醫師

09:50 - 10:00 Break Time

10:00 10:30	Observing the Changes of Tongue and Airway Configurations in Responders of Mandibular Advancement Device Using Standardized 3D Ultrasound Imaging	Speaker : 國立台灣大學醫學院附設醫院 / 陳韻之醫師 Moderator : 高雄醫學大學附設中和紀念醫院 / 陳裕豐醫師
10:30 10:40	Discussion	Panelist : 衛生福利部雙和醫院 / 劉文德醫師 臺北市立萬芳醫院 / 洪士涵醫師
10:40 11:10	Upper Airway Ultrasound in the application of OSA screening in the Health Checkup Cohort	Speaker : 國立台灣大學醫學院附設醫院 / 謝敦理醫師 Moderator : 國立台灣大學醫學院附設醫院 / 李佩玲醫師
11:10 11:20	Discussion	Panelist : 中國醫藥大學附設醫院 / 杭良文醫師 台北馬偕紀念醫院 / 劉景隆醫師
11:20 11:30	Closing	Speaker : 長庚紀念醫院 / 陳淳宏醫師



Our exhibition received recognition from the mayor of Taipei.



May 2020



Project initiation

The application of upper airway 3D ultrasound imaging in the clinical assessment of OSA.

Target number

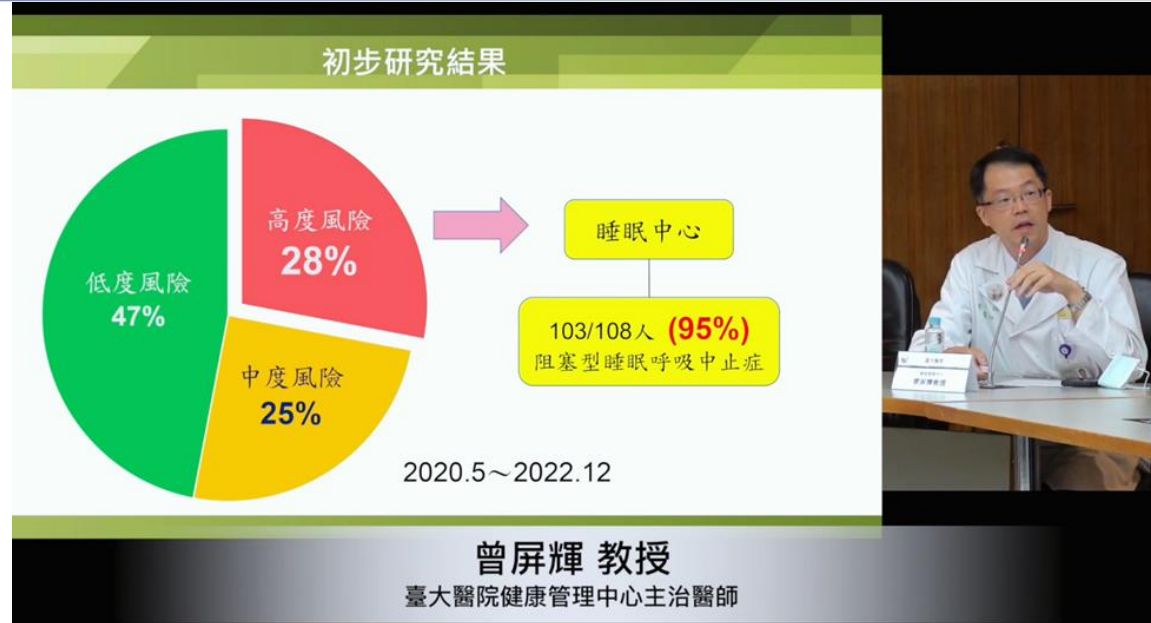
>1000 people

September 2023

Preliminary results presentation :

Severe patients screened out through AmCad UO are arranged to go to the sleep center for further examination.

Accuracy rate as high as 95%



NTUH Health Management Center officially adopts AmCAD UO[®] sleep to rapid screen.

People undergo non-invasive examinations while lying in an awake state. Using laser guidance for positioning and an automated probe for scanning, coupled with analysis by artificial intelligence software, the severity of sleep apnea can be determined **within 10 minutes without the need for an overnight stay.**



工商時報

安克10分鐘睡眠檢測 台大醫院採用

有助提升病友睡眠與生活品質，降低日後罹病的醫療支出與生產力減損，守護更多國人健康

2023.09.21 / 03:00 / 工商時報 李水蓮



●安克生醫免過夜、10分鐘完成的超音波智慧睡眠檢測系統，獲台大醫院健康管理中心正式引用。圖 / 業者提供

三立新聞網 > 生活

台大首創超音波「睡眠快篩」不用「睡一晚」10分鐘抓出9成呼吸中止症

2023/09/04 13:47

記者黃仲丘 / 台北報導

台大推「睡眠快篩」！15分鐘就能揪出呼吸中止症

14:24 2023/09/04 | 中時 | 林周義



台大醫院與安克生醫合作開發「人工智慧超音波睡眠監測儀」，幫助民眾做睡眠「快篩」。（台大醫院提供 / 林周義台北傳真）

健康2.0

醫療

10~15分鐘快篩睡眠呼吸中止症！超音波結合AI準確率達9成 青壯年高風險竟占半數

許寶仁 報導 | 2023/09/04 18:25

自由健康網

健康 > 杏林動態

睡眠呼吸中止症 也能快篩

2023/09/05 05:30



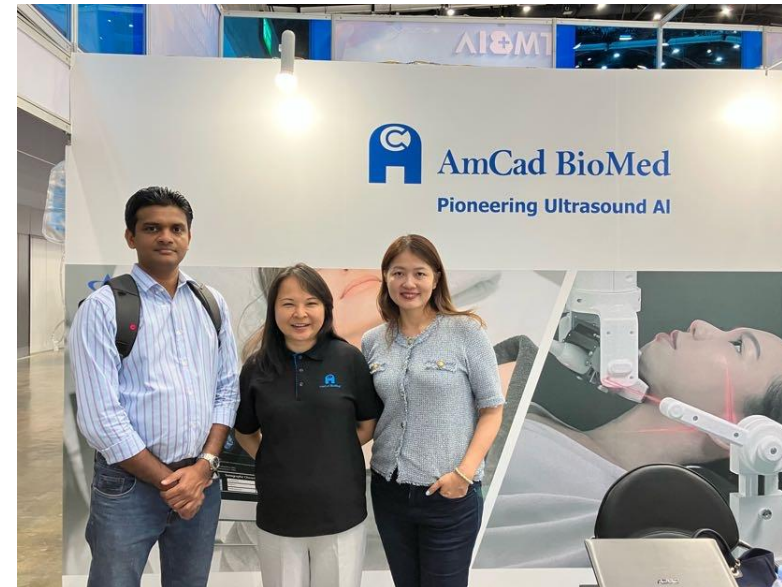


10.11.23【直播 愛健康
@icarebcc】「快篩」可揪出...
主持人：李雅媛 現場來賓：肝病防治基金會執行長 粘曉菁醫師中廣...



Participation in the Medical Fair Thailand.

Participation in the Medical Fair Thailand, an Asian medical exhibition.
Gathering with Thai agents and local Key Opinion Leader (KOL) doctors.



Participation in Taiwan Thailand Smart Healthcare Conference.

Collaborates with agents to showcase on-site ultrasound AI medical technology, contributing to the penetration of smart healthcare into the Thai market.



經濟日報 > 商情 > 熱門亮點

台泰智慧醫療研討會盛況空前！彰基助台業者開拓泰國市場

本文共696字



2023/09/14 10:49:27

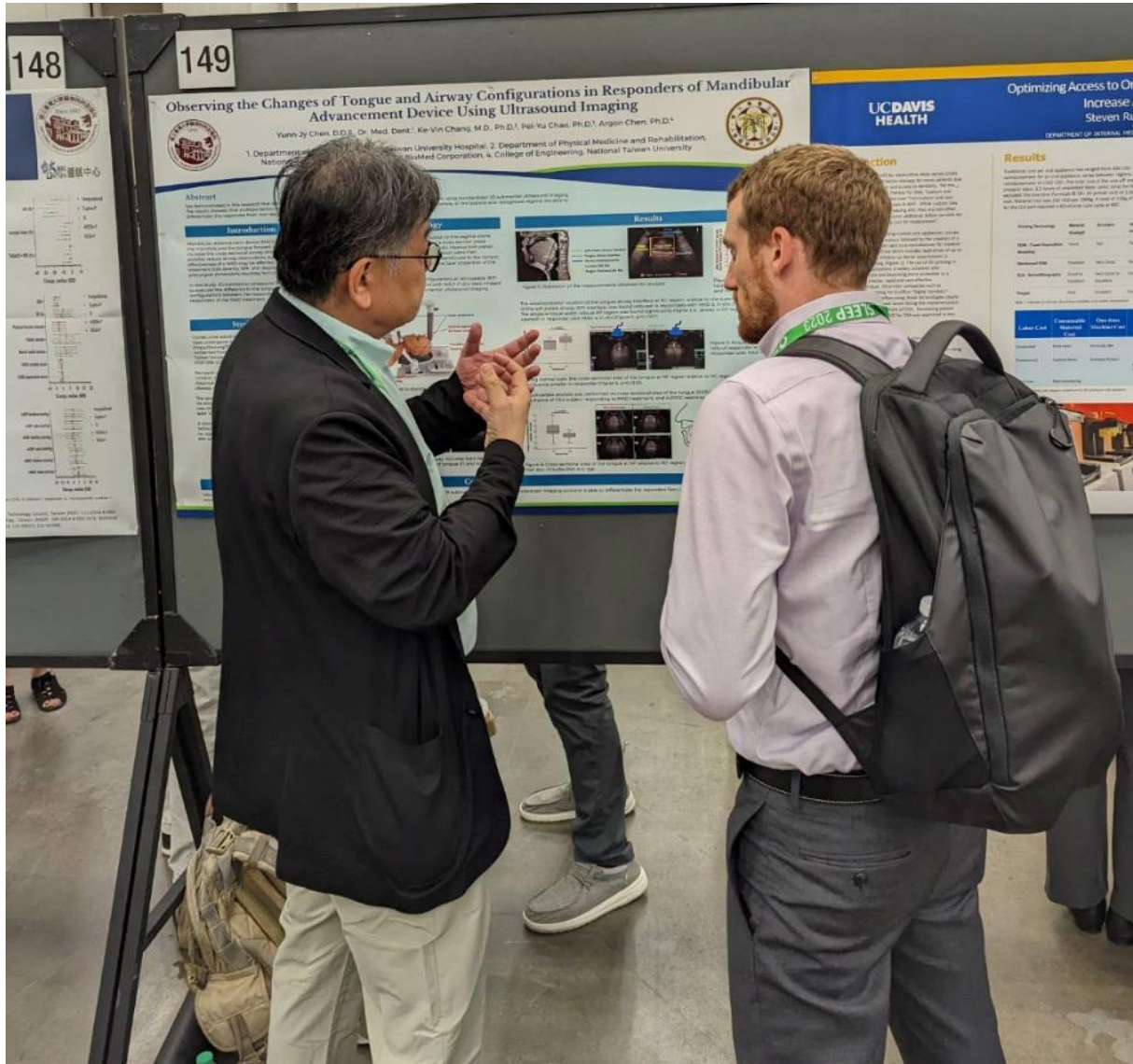
經濟日報 鄭芝珊 讚 10

由台灣彰化基督教醫院（簡彰基）舉辦、當地媒體夥伴Vision Thai 看見泰國所執行的「台泰智慧醫療研討會」於日前在曼谷圓滿落幕。作為台灣每年東南亞最大規模的智慧醫療交流盛會，今年彰基帶領20家台灣智慧醫療廠商參與，以AI結合醫療科技應用於精準與再生醫療為主軸，吸引250位泰國醫衛相關人士出席，除了為台灣廠商開拓市場，更將台灣的智慧醫療技術應用推向國際。



臺泰智慧醫療研討會曼谷登場，吸引250名泰國醫衛人士出席。看見泰國/提供

National Taiwan University Dentistry Mid-year presentation in APSS



SLEEP 2023

JUNE 3-7 | INDIANAPOLIS, IN

Wednesday, June 7, 2023

10:30 AM – 12:30 PM

Location: Sagamore Ballroom 4

S-21: Sleep Dental and Medical Collaborative Models for the Optimal Diagnosis and Treatment of Obstructive Sleep Apnea Patients (Non-CME)



Chair (primary contact):
Clete Kushida, MD, PhD
Stanford University School of Medicine



Speaker:
Patrick J. Strollo, Jr., 9805
University of Pittsburgh



Speaker:
Fernanda Almeida, DDS, PhD
The University of British Columbia



Speaker:
Pien F.N. Bosschieter, MD, PhD
Stanford University

Stanford Medical Center has published research findings in world-class journals.

July 2020  **Stanford**
MEDICINE

Project
initiation

March 2022



Mid-year presentation : In comparison with DISE and PSG testing, it shows a high degree of consistency.

May 2023

**JAMA Otolaryngology–
Head & Neck Surgery**

Paper results published: Predicting the risk of moderate to severe OSA with **an accuracy of up to 90%**

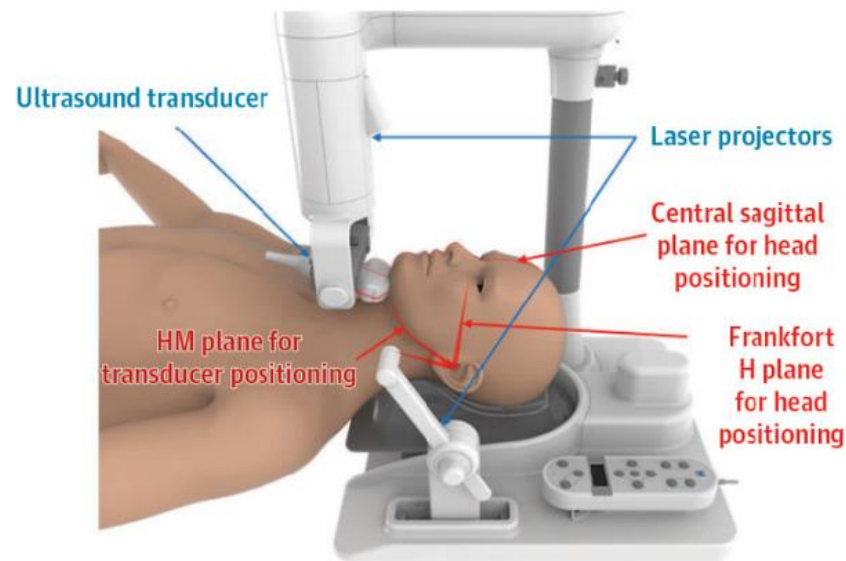
October 2023



The results of three speeches were published: Provide physicians with evaluation for subsequent treatment of OSA, including evaluation of the suitability of anti-snoring braces and CPAP.

JAMA Otolaryngology– Head & Neck Surgery

Editor's Choice: The Latest in Otolaryngology in JAMA



Backscattered Ultrasonographic Imaging of the Tongue and Severity of Obstructive Sleep Apnea

Stanley Y. C. Liu, MD, DDS; Plen F. N. Bosschieter, MD, PhD; Mohammed Abdelwahab, MD, PhD; et al
Original Investigation | May 11, 2023

ONLINE FIRST

Just Published

May 11, 2023

Participation in the World Sleep Congress.



OSA Detection in 10 Minutes

Keynote Session

Date: Monday, 23rd October 2023

Time: 14:00 - 14:45

Location: Room 24 | Oceania 10

Title: Sleep Surgery as Restoring Missed Milestones in Airway Growth and Development

Speaker: Stanley Liu, US

Symposium

Date: Tuesday, 24th October 2023

Time: 15:00 - 16:30

Location: Room 7

Title: Seeing the Sound of Sleep

Chairs: Clete Kushida, US & Stanley Liu, US



Oral Abstract Session

Date: Wednesday, 25th October 2023

Time: 15:00 - 16:30

Location: Room A06 | Oceania 08

Title: Sleep Disordered Breathing: Modeling, Predictors, and Pathogenetic Mechanisms

Chairs: Diane Lim, US & Bingqian Zhu, CN



2023Q4 、 2024 plans for business & marketing activities.

Domestic

Healthcare[®] 2023.11.30-12.03
EXPO · TAIWAN 台灣醫療科技展

Established AmCad line@



International



INTERNATIONAL SURGICAL SLEEP SOCIETY
ISSS 2024 ANNUAL MEETING
January 24-26, 2024
Wollongong, Australia

Arab Health
By Informa Markets

29 Jan - 1 Feb 2024

Dubai World Trade Centre



CDMO / Licensing

Use our expertise in developing product according to our strategic partners' needs/specifications.



Distribution

Leasing

Revenue
Sharing

Outright
Sales

Subscription

Exclusive or regional rights, single & multi-product deals.



Collaborative Marketing

Collaborate with enterprise imaging solutions providers to expand market access.

Future development strategy

❑ Technology collaboration, licensing, or cooperative development

Complementary technology with major international ultrasound manufacturers: Combining our AI ultrasound technology with the products of major international ultrasound manufacturers, we can develop "AmCAD UB" technical cooperation and licensing opportunities.

❑ 「AmCAD UO」 Market expansion

Cooperate with major manufacturers of CPAP to improve screening efficiency, and establish cooperation with major manufacturers in APAC to expand the Asia-Pacific market based on the existing customer in the market.

❑ Market sharing

Mutual technology licensing between both parties in the imaging platform industry, operating in the market, sharing customers and profit.

❑ Actively signing agreements with distributors in multiple countries.



GE HealthCare snaps up ultrasound AI maker Caption Health.

MEDTECH

GE HealthCare snaps up ultrasound AI maker Caption Health

By Andrea Park · Feb 9, 2023 11:58am

GE Healthcare

Caption Health

ultrasound

Artificial Intelligence



Caption Health's AI software walks healthcare workers through the process of securing clear images from cardiac ultrasound exams—even if they've never performed or received training for the finicky and very precise procedure. (Caption Health)

Once under the GE HealthCare umbrella, Caption's AI will be embedded into the medical giant's ultrasound devices. According to Karley Yoder, chief digital officer of GE HealthCare's ultrasound business, the technology will first be added to its point-of-care and hand-held imaging devices.

Meanwhile, Caption will continue to build up its network of technicians who have been trained to use the AI to provide cardiac ultrasounds in care settings beyond traditional hospitals and, eventually, in patients' homes.

"Guiding ultrasound users during examinations with the help of AI is of growing importance, especially as we reach a broader set of healthcare professionals. Caption Health's AI applications help enable reliable, consistent ultrasound examinations to deliver more precise diagnoses, improved treatment decision-making and ultimately improved patient outcomes," said Roland Rott, president and CEO of GE HealthCare's ultrasound segment. "This tuck-in acquisition will help expand affordable access to ultrasound imaging to novice users and is aligned with a broader shift to precision care globally."

Financial Information

Consolidated Balance Sheet

ITEMS	2023.09.30	%	2022.12.31	%
Current Assets	330,141	63	359,881	65
Non-current Assets	189,445	37	193,981	35
Total Assets	519,586	100	553,862	100
Current Liabilities	22,870	5	27,360	5
Non-current Liabilities	11,383	2	6,720	1
Total Liabilities	34,253	7	34,080	6
Capital	532,791	103	532,214	96
Additional Paid-in Capital	7,541	1	95,738	17
Accumulated Deficit	(137,841)	(27)	(192,055)	(34)
Other Equity	(10,779)	(2)	(11,315)	(2)
Parent Equity	391,712	75	424,582	77
Minority Interest	93,621	18	95,200	17
Total Equity	485,333	93	519,782	94
Total Liabilities and Equity	519,586	100	553,862	100

► Debt ratio : 6.6% , Cash sufficient , and the financial structure is healthy.

Consolidated Income Statement

Unit : K TWD

Items	2023Q3		2022Q3		YoY
	AMT	%	AMT	%	%
Sales Revenue	41,842	100	47,837	100	(13)
Gross Margin	25,188	60	29,101	61	(13)
Operating Expenses	(68,640)	(164)	(70,984)	(148)	(3)
Operating Loss	(43,452)	(104)	(41,883)	(87)	-
Non-operating Gain	7,461	18	7,888	16	(5)
Net Loss	(35,991)	(86)	(33,995)	(71)	-
Net Loss – Parent	(34,412)	(82)	(33,323)	(70)	-
Net Loss – Minority	(1,579)	(4)	(672)	(1)	-
EPS (TWD)	(0.65)		(0.63)		

- ▶ The operating income decreased compared to the same period last year, primarily due to lower-than-expected revenue in China. However, AmCAD UO[®] revenue for this year has shown significant growth compared to the previous year, and with effective cost control. Therefore, the two periods loss is approximately equivalent.

Future Development

AmCAD UO® Product Applications

1. Replace Polysomnography (PSG)

• Home Sleep Test (HST)

Utilizing AmCAD UO® 10-minute rapid test, it achieves a **95%** accuracy in OSA diagnosis, offering a more convenient and comfortable alternative for patients.



2. OSA Treatment Guidelines

Identifying VOTE obstruction and tongue muscle conditions, doctors can provide individualized recommendations for various treatment options, such as positive airway pressure devices, orthodontic braces, surgical excision, laser ablation, and neural stimulation.



3. Tracking before and after treatment

Utilize AmCAD UO® for continuous monitoring to track the effectiveness of OSA treatment.

THANK YOU!



[Official account](#)



[Groups](#)

