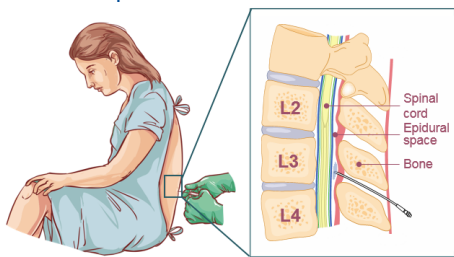


With uSINE's intelligent imaging algorithm that improves visualization and identification of epidural space, **better patient safety** and **higher success rate at the 1<sup>st</sup> puncture attempt** during neuraxial procedures can be achieved.

## PROBLEM STATEMENT

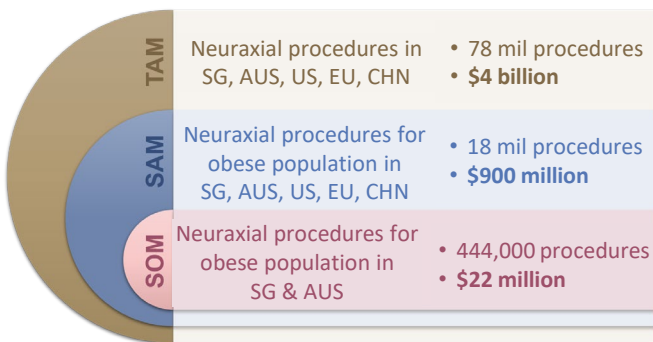
- Low accuracy** of epidural administration using traditional 'blind' surface landmark and palpation technique
  - Leads to **multiple needle punctures** and **increased risk of complications**, e.g. infection, post-dural headache, spinal hematoma
  - Causes **trauma** and **distress** to patients and increases in procedure time



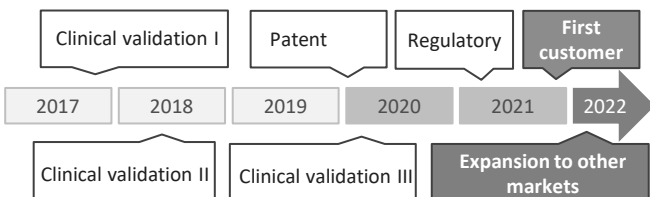
## HIGHLIGHTS

<b>1</b> SG hospital on board (KKH)	<b>150</b> -patient study proves uSINE effectiveness	<b>\$370,000</b> funding received to date
<b>92%</b> first-attempt success rate for patients with BMI <30	<b>67sec</b> for epidural space identification	

## PROJECTED MARKET SIZE



## TIMELINE



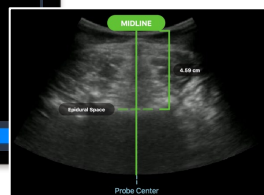
## OUR PRODUCT

**uSINE™**

Class B medical device under HSA  
Compliance requirements: IEC 62304, ISO 13485, ISO 14971, IEC 62366, ISO 14155



Intelligent spinal level identification & epidural space localization



### Automated by AI

- uSINE's** machine learning algorithm allows automatic identification of anatomical landmarks during ultrasound scan

### Real-Time

- uSINE** alerts anesthetist in real-time during ultrasound scanning of the spine when the right location and right angle are found

### Effective & Efficient

- uSINE** achieved very high first-attempt puncture success rate
- uSINE** maintains the same clinical workflow but reduces puncture attempts and needle placement time

## KEY BENEFITS



- 40% shorter procedure time frees up resources
- Equalization across different skill levels
- Higher patient satisfaction

- Higher efficiency
- Better clinical outcomes



- Better experience (especially for obese patients)
- Lower chance of serious complications

## TEAM



**Dr. Ng Cailin**  
CEO & Co-founder  
Prior experience in MedTech development



**Dr. Leng Yusong**  
CTO & Co-founder  
Expert in image processing & A.I.



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