



**TWBM**

Taiwan Biomaterial Company

**台灣生醫材料公司(6649)  
法人說明會**

**2020.11.16**

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# 公司基本資料

## ■ 產品項目：

泡沫式人工腦膜、腦中風血栓負壓移除導管系統、退化性關節炎組織修復再生產品及其他高階植入式醫療器材

## ■ 技術來源：工業技術研究院

## ■ 公司設立時間：2012年11月12日

## ■ 公司地點：新竹生物醫學園區

## ■ 資本額：新台幣3.3億元

## ■ 董事長：林志茂

## ■ 總經理：廖俊仁

## ■ 員工人數：34人(創始4人)





# 商業模式

## Transforming Clinical Concept to Medical Product



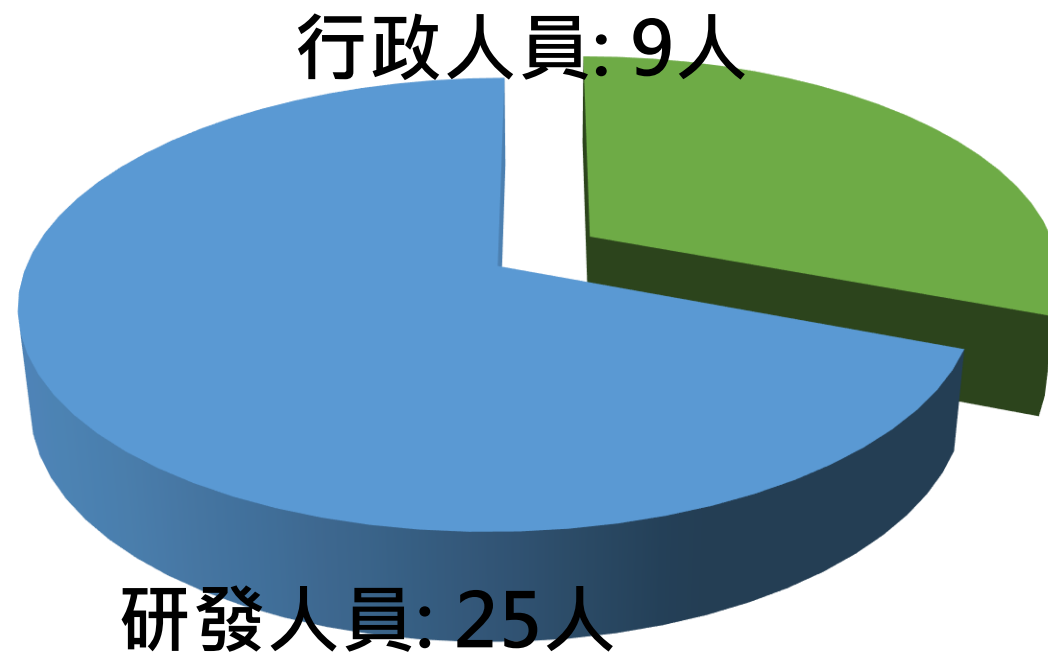
臨床需求

台灣生醫材料

國際品牌大廠

聚焦於**臨床需求到產品上市**之價值創造

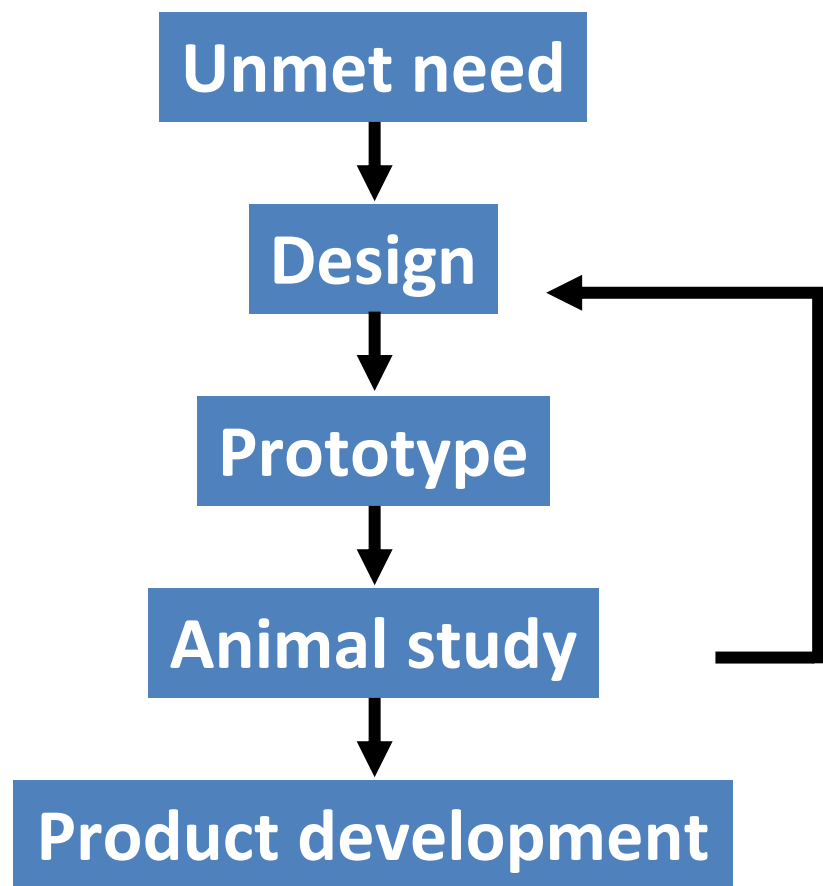
# 公司團隊組成 (精銳)



**70%**研發人員

# 高價值(金錢)醫材選題能力

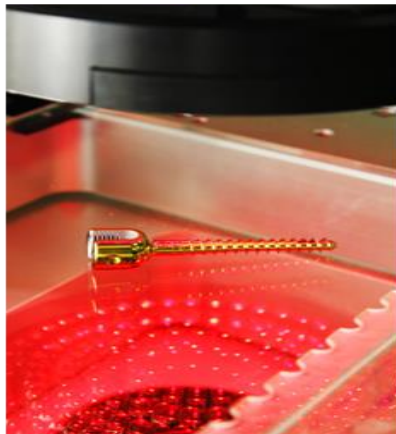
由臨床需求確認高價值醫材產品





# 高階醫材完整開發經驗

## Medical Device GMP Plant (ISO13485) & Product



FDA



CE

# 台生材產品標的策略

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☑ **Me only** 產品  
(世界第一原創產品)

☑ **Me better** 產品  
(世界前三名，美國市場有需求產品)



# 創新產品佈局

與矽谷公司合作開發



台生材自主研發



# 創新產品佈局

## 與矽谷公司合作開發

- 腦中風血栓負壓移除導管系統  
-- 負壓幫浦系統、鎳鈦導絲

## 台生材自主研發

● 泡沫式人工腦膜

● 退化性關節炎組織修復再生產品

2016

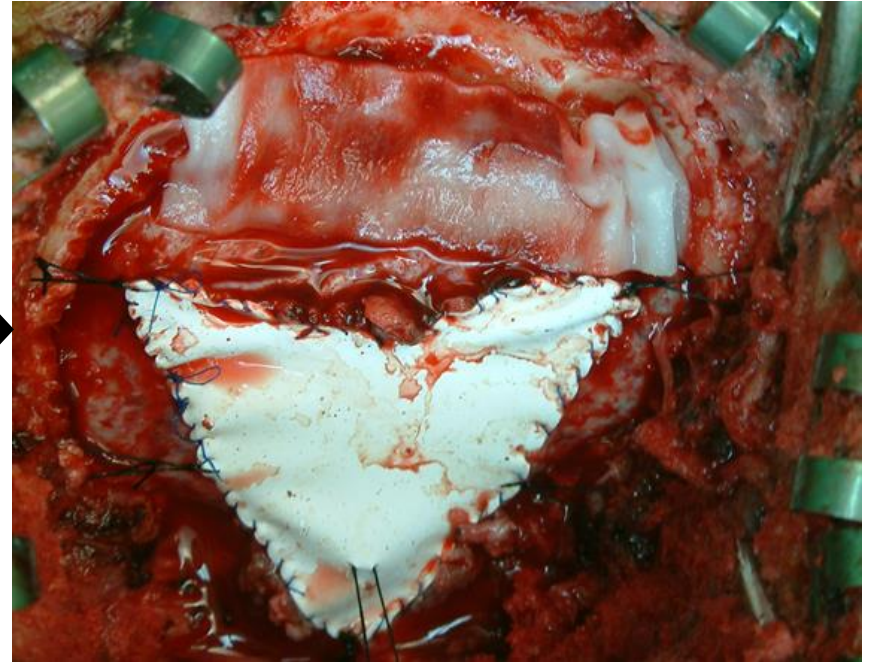
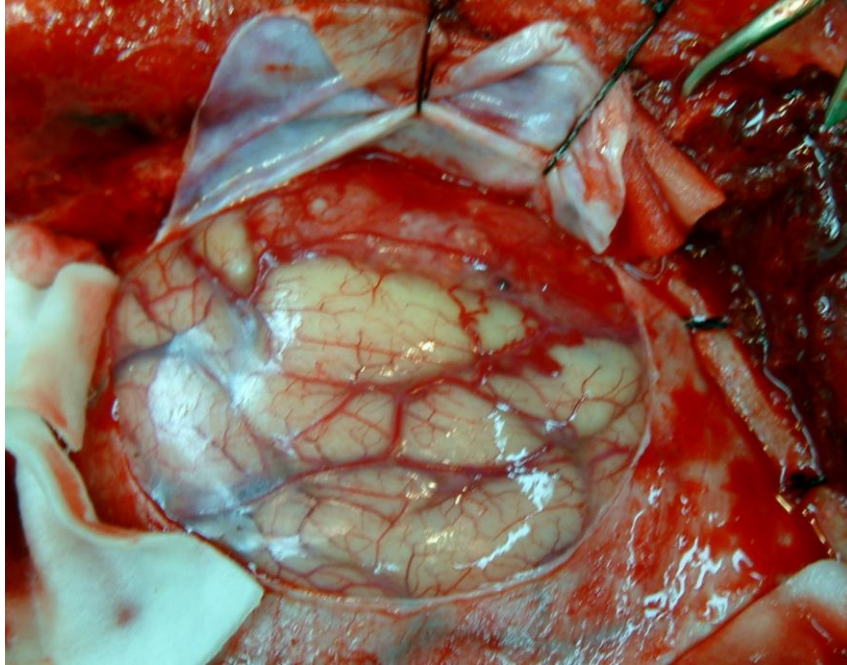
2018

2020

2022

# 人工腦膜修復產品

Remove the dura mater during neurosurgery

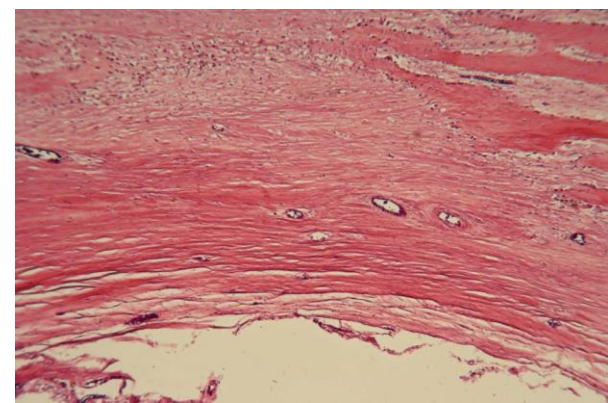
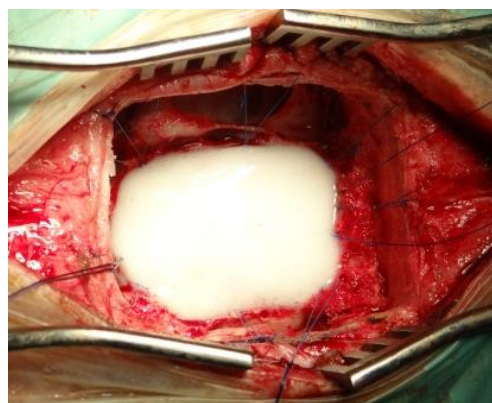
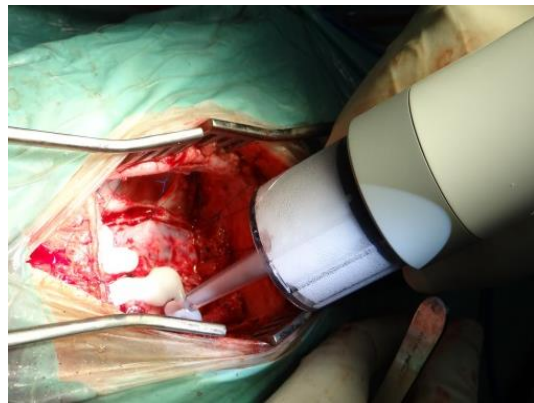
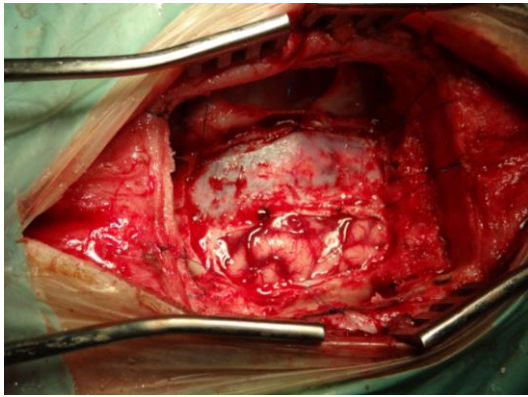
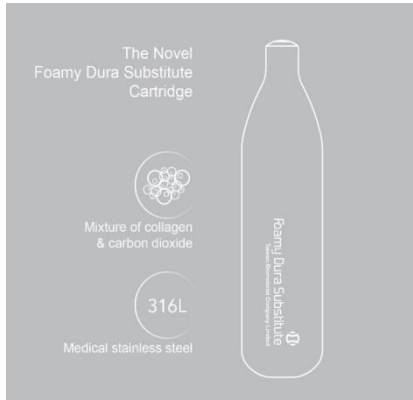


全球人工腦膜市場總值**4.8億美元**

**臨床需求:** 腦膜修補及防止腦脊髓液滲漏



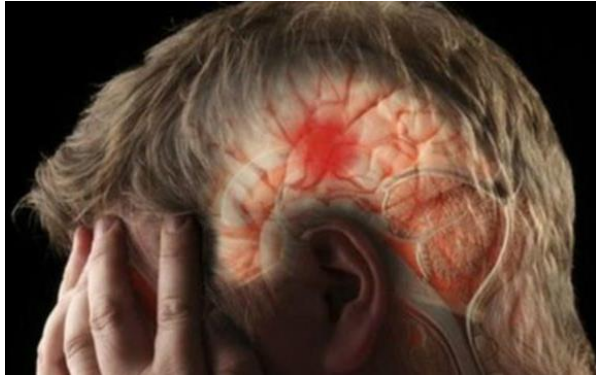
# 泡沫式人工腦膜(Foamagen)



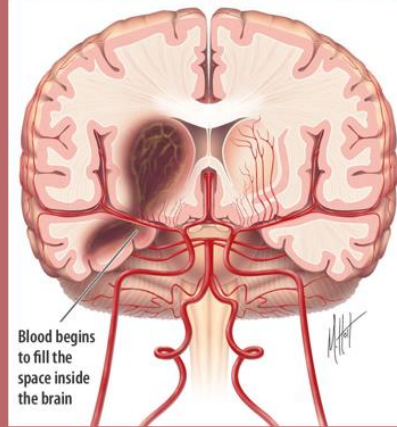
**產品優勢:** 無化學添加劑及3分鐘可成膠之創新人工腦膜

**產品進度:** 已取得台灣上市許可，以自費方式銷售至各大醫院。

# 腦中風治療醫材

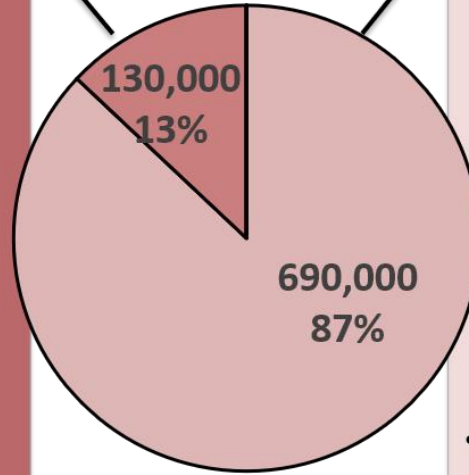


## Hemorrhagic Stroke

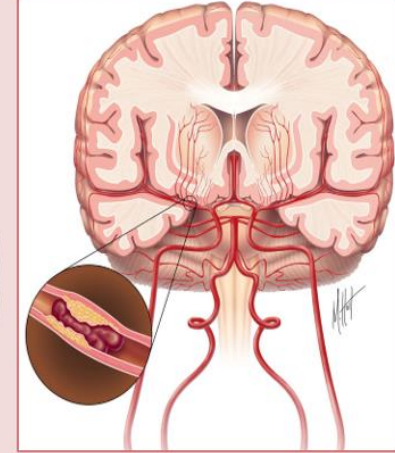


Blood begins to fill the space inside the brain

- Occurs when a weakened blood vessel ruptures, allowing blood to leak inside brain



## Ischemic Stroke

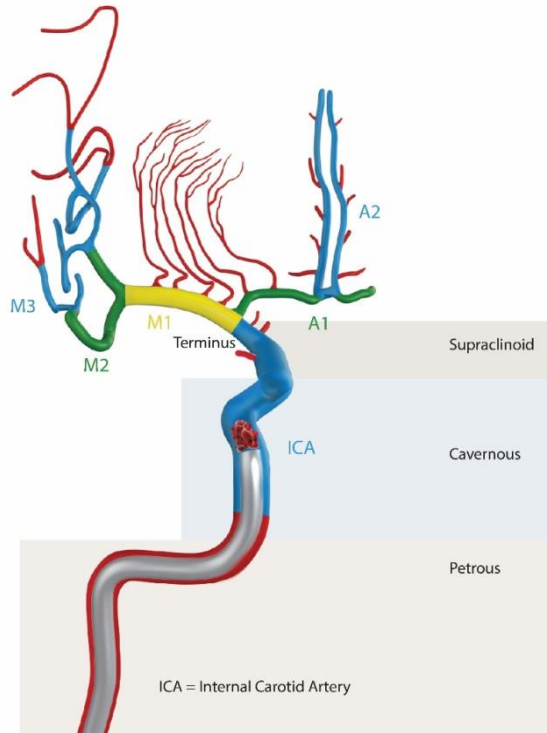
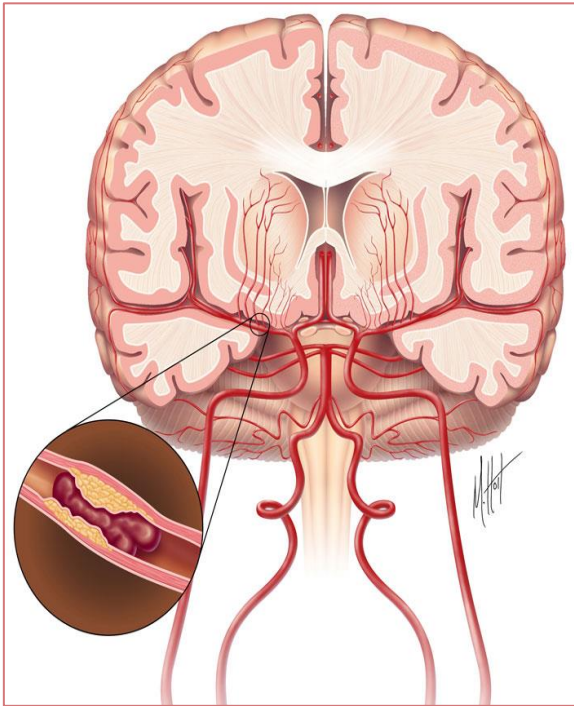


- Occurs when clot cuts off blood supply to brain, causing brain cells and tissue to die in minutes

Source: <http://www.strokeassociation.org/STROKEORG/AboutStroke/TypesofStroke/>

美國每年80萬人/年發生; **50%失能**; **經濟損失650億美金**  
**87%**為**缺血性**中風; 美國有**7億美金/年**市場規模

# 腦中風血栓負壓移除導管系統



腦中風血塊吸除幫浦

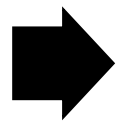
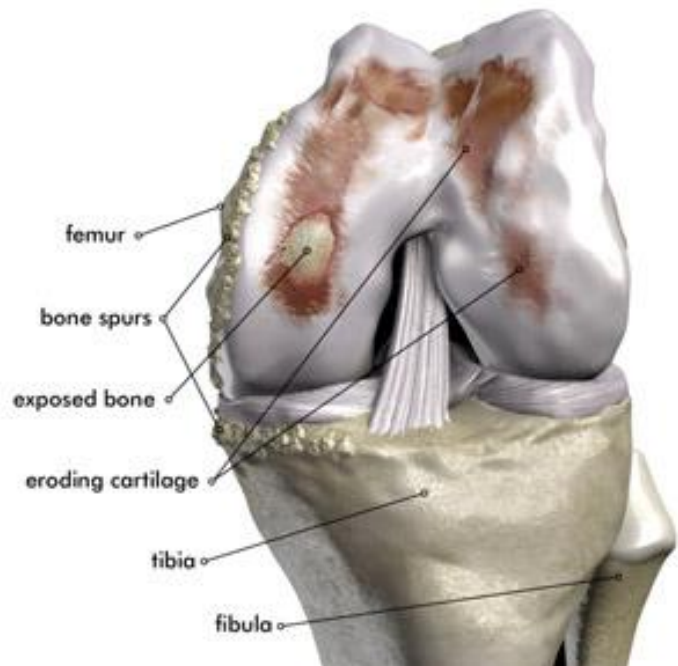
腦血管專用吸管

**技術優勢:** 可吸除**深層**腦中風**血塊**之**取栓**系統

**產品進度:** 取得美國產品上市許可，已銷售到美國10家腦中風治療中心。



# 退化性關節炎



發生率: **11.3%**; 全球市場值: **59億美元**  
目前除置換**人工關節**並無有效治療方式

# 退化性關節炎組織處理修復技術



無組織處理



組織處理



**技術優勢:** 利用微創醫材將早期退化性關節炎軟骨進行  
**酵素組織處理使軟骨修復再生**

**產品進度:** 已通過醫院IRB及衛福部22例人體臨床研究許可，將導入人體臨床研究試驗。

引領台灣成為醫療器材創新之國





# TWBM

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