

國立成功大學  
醫學院附設醫院

# 2019 年報

2019 Annual Report of the  
National Cheng Kung University Hospital





## 目錄

### 亮點

p.1—p.3

### 組織架構

p.4

### 2019 統計資料

p.5—p.14

## TABLE of CONTENTS

### Feature Story

p.15—p.18

### Organizational Structure

p.19

### 2019 Statistics

p.20—p.29

### 五大疾病照護認證，五星照護品質保證

「疾病照護品質認證」，係針對國內單一疾病照護團隊更深入及高水準的照護品質提供認證。本院由醫療副院長領軍，於108年通過腎臟病、心衰竭、腦中風、糖尿病、慢性阻塞性肺病等5項疾病照護品質認證，大幅提升照護深度，並發展本院特色醫療，提供民眾可近性、高品質之醫療服務。

本次疾病照護品質認證呈現之亮點：

- 一、智慧化的提示系統：運用資訊建置實證藥物使用及標準醫囑，提升檢查及藥物使用率，防護無遺漏。
- 二、主動式監測及預警通報系統：主動監測病人檢驗檢查結果，預警提示照會系統及危險值通報，透過跨團隊訊息提供病人全方位照護，訊息不漏接。
- 三、雲端生理監測智慧病房：智慧化生理監測系統及時掌握病人變化，照護不延誤。
- 四、資通訊科技運用：運用資通訊溝通系統，提供智慧化及個別化衛教指導系統，疑惑解答不延遲。
- 五、跨團隊合作學習：心臟血管及腦中風團隊合作，建立臨床決策系統，增進病人用藥安全及提升住院及門診雙向溝通提升腦中風、急性心肌梗塞及心衰竭病人照護品質，並參與院外競賽獲佳績。
- 六、本院一次通過5項疾病照護品質認證，獲邀於醫策會品質認證授證典禮分享本院推展經驗及照護特色。



## ◎ 開發可攜帶金屬奈米粒子成為一新穎式奈米複合放射線增敏劑之製程

本院蘇五洲主任、謝達斌教授、陳海雯教授、蔡宗霖研究員與台灣師大陳家俊特聘教授等人組成之團隊，以「開發可攜帶金屬奈米粒子成為一新穎式奈米複合放射線增敏劑之製程」，榮獲第十六屆國家新創精進獎榮譽。

利用先前團隊已開發具CT/MRI雙顯影功能之鐵鉑合金奈米粒子為基礎，除了可經由人類銅輸送蛋白來調控奈米粒子於癌細胞吞噬及其對於放射線的敏感性外，團隊更進一步藉由篩選特定分子藥物之結構來開發一新製程，此製程不僅可將分子藥物轉化成界面穩定劑，使鐵鉑合金奈米粒子可均勻分散於水相環境中，進而減少佐劑的使用，亦可透過奈米粒子攜帶藥物的功能來增加訊息傳遞的干擾效果，並且利用高分子聚合物的包覆來達到放射線調控釋放的功能，而大幅提升癌細胞放射線敏感及準確性。



蘇五洲主任(右4)接受第十六屆國家新創精進獎頒獎。

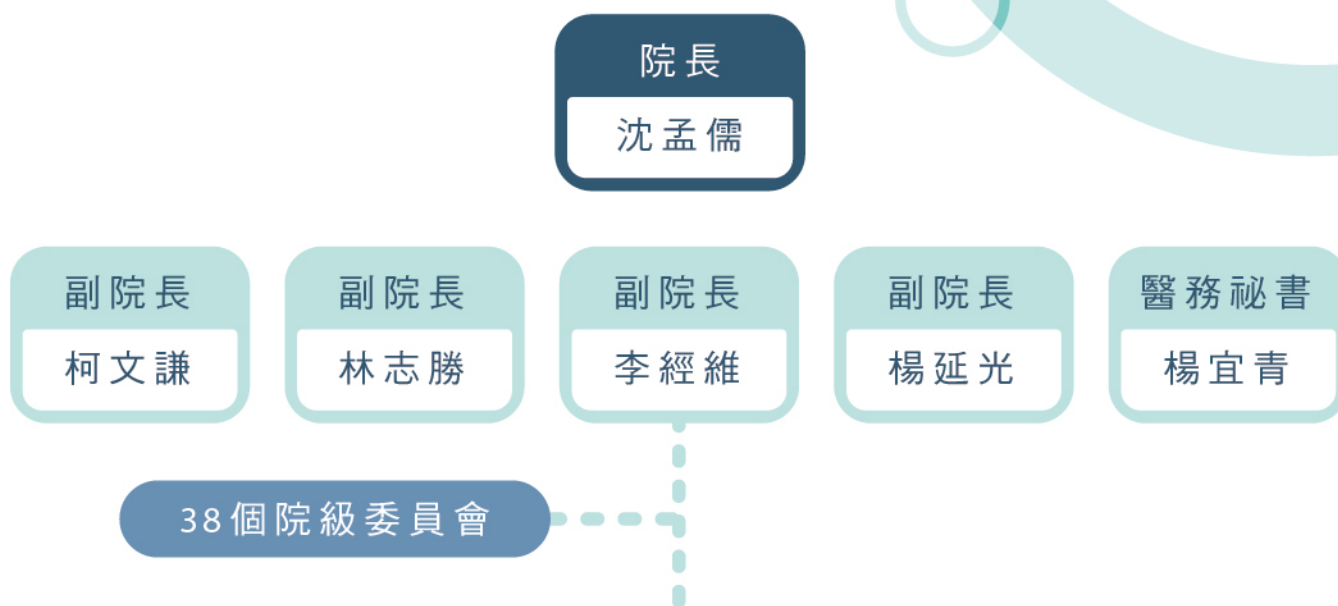
## ◎ 電磁波驅動高速精準醫學分子診斷系統

本院謝達斌教授、國立成功大學光電科學與工程學系黃志嘉教授等人組成之團隊，以「電磁波驅動高速精準醫學分子診斷系統」，榮獲第十六屆國家新創獎—新創精進獎的榮譽。

團隊先前整合了光電磁波技術與基因工程技術，開發出一套方便攜帶且可用於疾病現場快速實施之整合型基因分析儀。分析儀整合了檢體萃取、分子訊號放大、定量檢測、資料傳輸及雲端運算平台等功能於一體，且已成功在臨床與動物實驗中證實其優越的成果與革命性的新穎工作原理。本次則是與國研院儀器科技研究中心共同研發新一代機型，可以一次進行多個反應，有望增加該機未來的使用效能與方便性。此外也更改了部分元件，降低機器生產成本以達到更簡單的自動化組裝，優化未來生產的製程。除了機型更新外，也研發一種可簡單合成的光熱轉換奈米粒子作為新型的反應試劑，可以更簡化未來大量合成之步驟，優化產品性質並降低成本，加上不同奈米粒子表面修飾革新，增強粒子光激發反應效率及降低粒子對反應干擾，大幅提升整體診斷系統的精確度與穩定度。



謝達斌教授(左5)接受第十六屆國家新創精進獎頒獎。



**28個臨床醫療科部**

內科 / 外科 / 婦產 / 小兒 / 泌尿 / 眼科 / 耳鼻喉 / 骨科 / 皮膚 / 精神 / 神經 / 麻醉 / 家庭醫學 / 復健 / 病理 / 口腔醫學 / 影像醫學 / 高齡醫學 / 腫瘤醫學 / 放射線腫瘤 / 職業及環境醫學 / 急診 / 門診 / 癌症中心 / 遺傳中心 / 感染管制中心 / 臨床醫學研究中心 / 臨床試驗中心

**3個醫療相關科部**

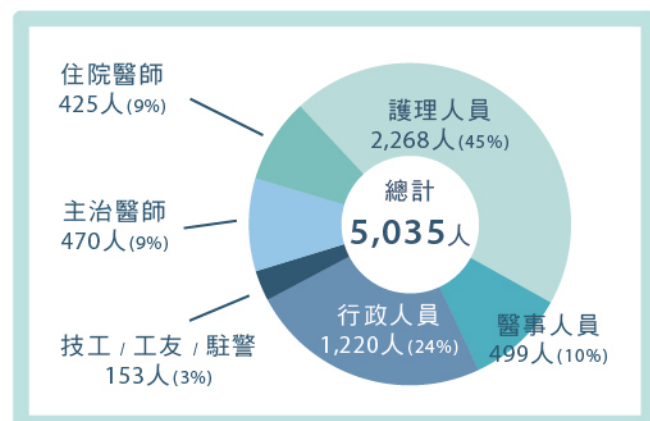
護理  
藥劑  
營養

**16個行政單位**

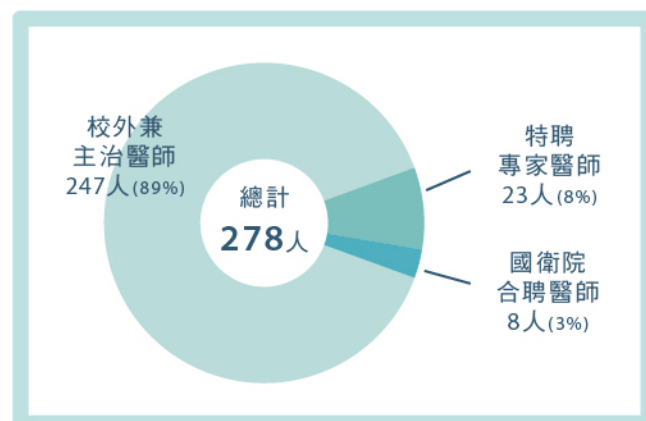
**13個任務編組中心**

創新醫療科技中心 / 失智症中心 / 糖尿病防治中心 / 健康管理中心 / 國際醫療中心 / 物理治療中心 / 睡眠醫學中心 / 關節重建中心 / 介入性醫療中心 / 中風中心 / 安寧緩和共同照護中心 / 職能治療中心 / 細胞治療中心

**員工數**



**兼任主治醫師**



資料日期：2019年12月31日

## 病床數

一般病床數	
急性一般病床	急性精神病床
916	30

特殊病床	
加護病床	其他特殊病床 <sup>※</sup>
126	287

※其他特殊病床：燒傷病床、隔離病床、骨髓移植、精神加護、燒傷加護、血液透析、嬰兒床、嬰兒病床、安寧病床、急診觀察床、手術恢復床、亞急性呼吸照護病床。

占床率	90.4%
平均住院日數	7.1日

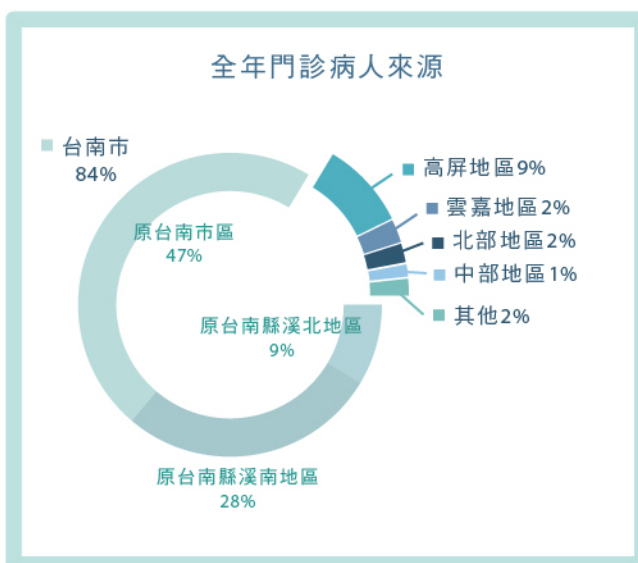
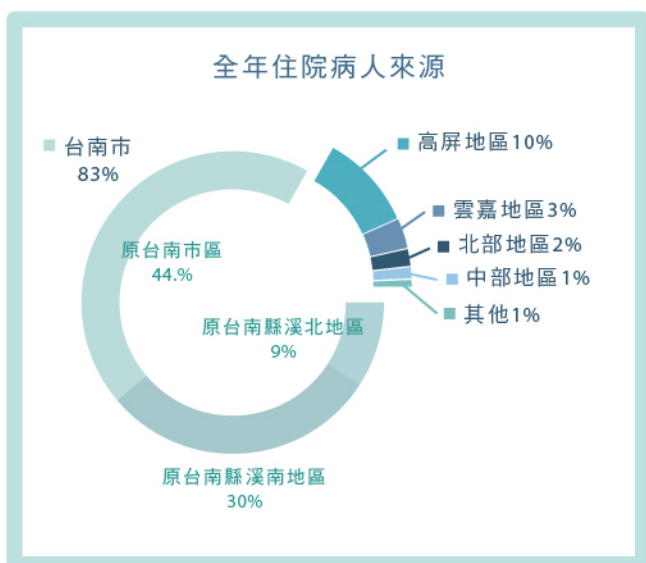
## 服務量

住院			門診		急診	
住院人次	住院人日	日平均人次	門診人次	日平均人次 <sup>※</sup>	急診人次	日平均人次
56,749	397,980	155	1,569,650	6,304	99,954	274

※2019年開診日為249日。

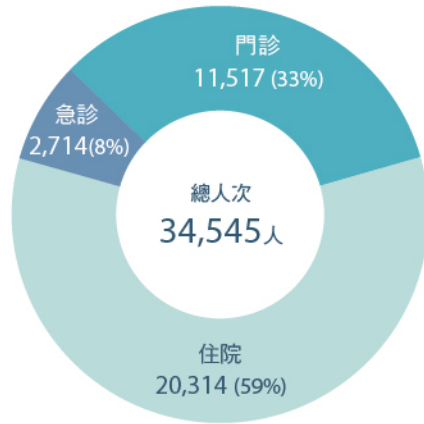
#依據「衛生福利部年度醫療機構服務量調查表」定義。

## 病人來源



#北部包含北北基及桃竹苗地區；中部包含中彰投地區；其他包含宜花東地區、外島及外籍病患。

## 手術數



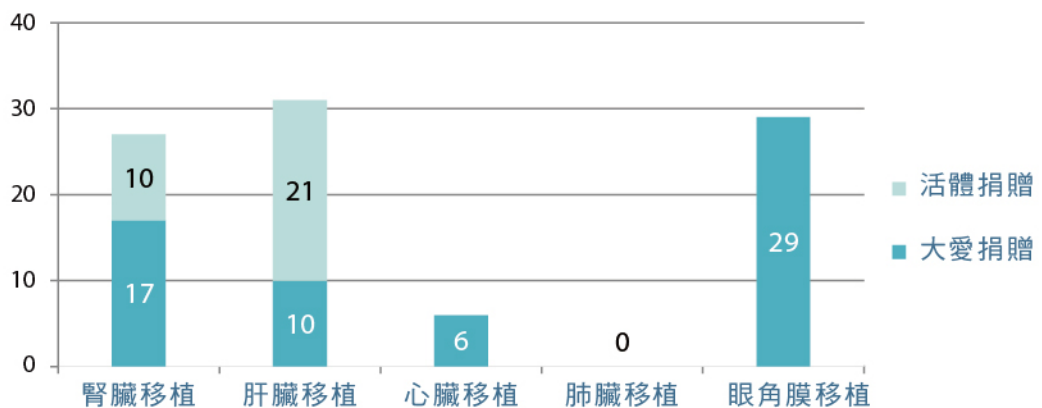
科別	人次	占比
一般外科	5,590	16.2
骨科部	4,380	12.7
泌尿部	3,805	11.0
眼科部	3,469	10.0
耳鼻喉部	3,437	9.9
整型外科	3,160	9.1
婦產部	2,752	8.0
心血管外科	2,342	6.8
胸腔外科	2,125	6.2
神經外科	1,255	3.6
外傷科	794	2.3
口醫部	673	2.0
小兒外科	468	1.3
麻醉部	93	0.3
其他	202	0.6
總人次	34,545	100

## 內視鏡手術

科別	人次	占比
一般外科	1,595	22.7
泌尿部	1,521	21.7
婦產部	1,338	19.1
耳鼻喉部	898	12.8
胸腔外科	797	11.4
骨科	398	5.7
外傷科	293	4.2
神經外科	59	0.8
眼科	57	0.8
小兒外科	43	0.6
整型外科	14	0.2
口醫部	3	0.04
總量	7,016	100

※不含達文西機械手臂手術216件

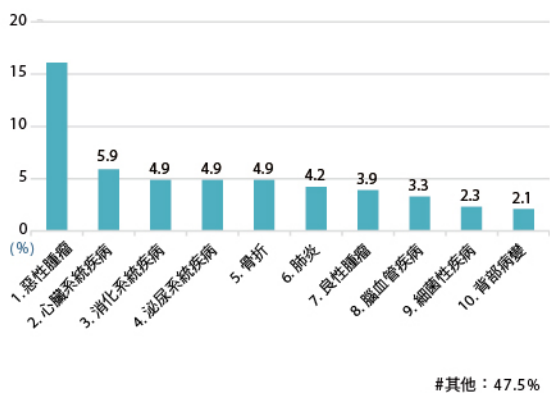
成大醫院器官與組織移植個案數：93



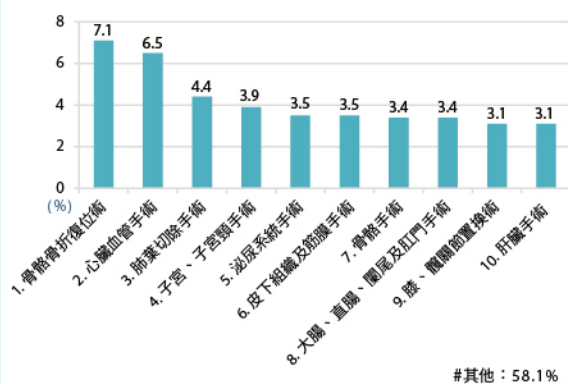


## 十大統計

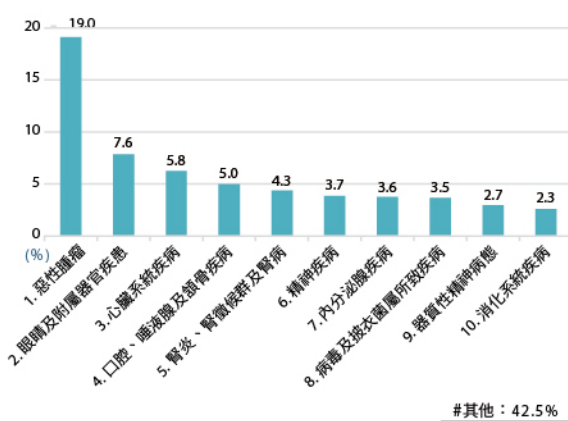
住院病人10大疾病別統計表百分比



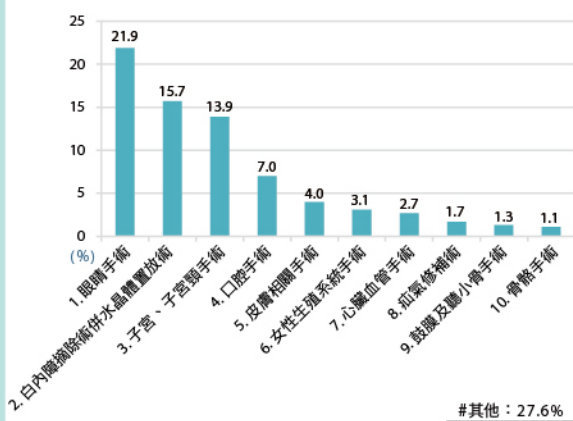
住院病人10大手術別統計表百分比



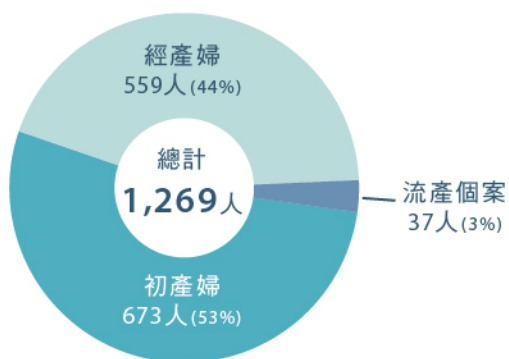
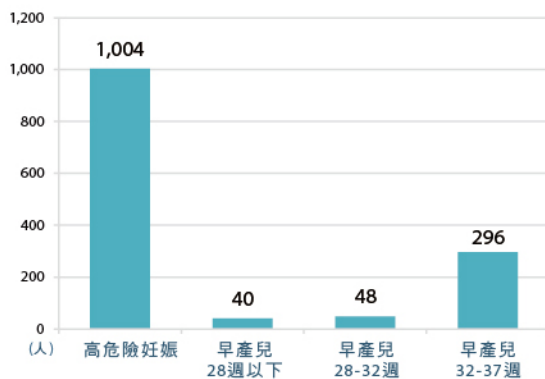
門診病人10大疾病別統計表百分比



門診病人10大手術別統計表百分比



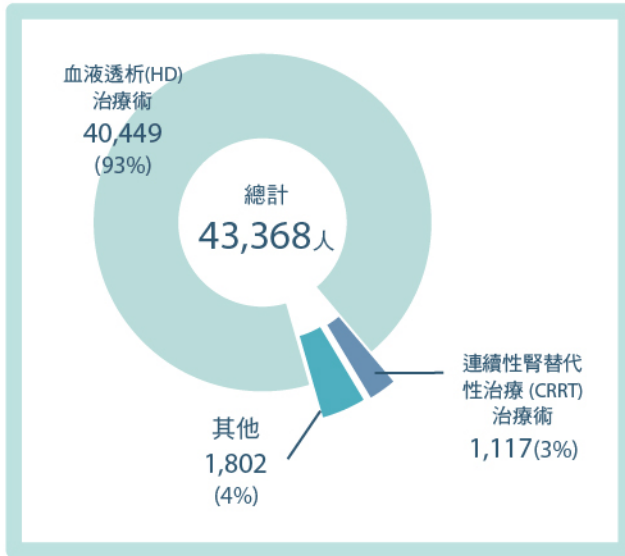
## 分娩數

高危險妊娠<sup>\*</sup>

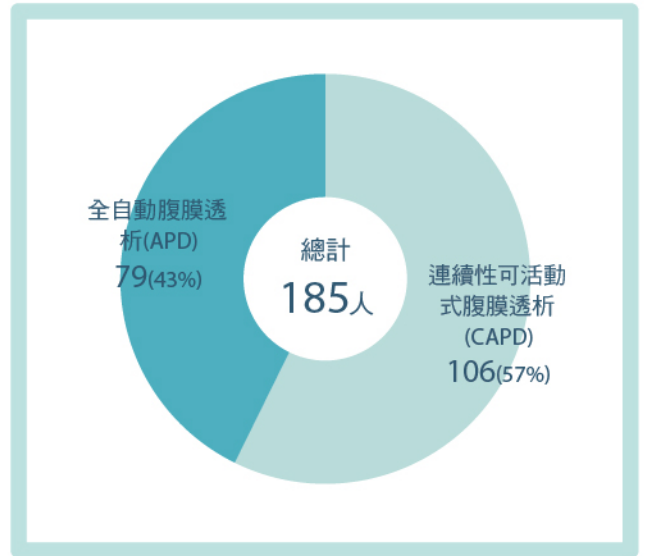
<sup>\*</sup>高危險妊娠：依「緊急醫療評鑑」定義。

## 透析數

### 血液透析室



### 腹膜透析



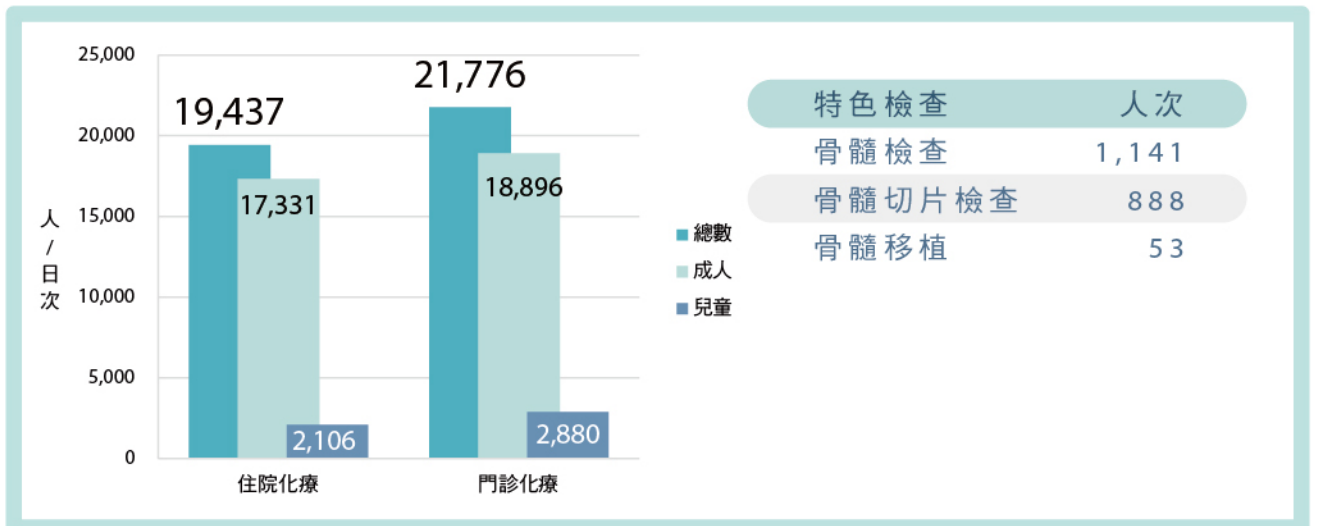
其他治療項目	人次
雙重過濾血漿分離術 (DFPP) 治療術	254
血漿置換 (PE)	301
透析導管置入術	1,247

## 放射線治療

治療項目	人次
模型製作	1,985 人
電腦斷層模擬定位	2,354 人
直線加速器	照野數：199,167 個 病人數：39,506 人次 影像導引：3,503 人次

特色治療	人次
侵入性近接治療	287
蟹足腫近接治療	8
治療計畫	1,949

## 化學治療



特色檢查	人次
骨髓檢查	1,141
骨髓切片檢查	888
骨髓移植	53

## 檢驗數

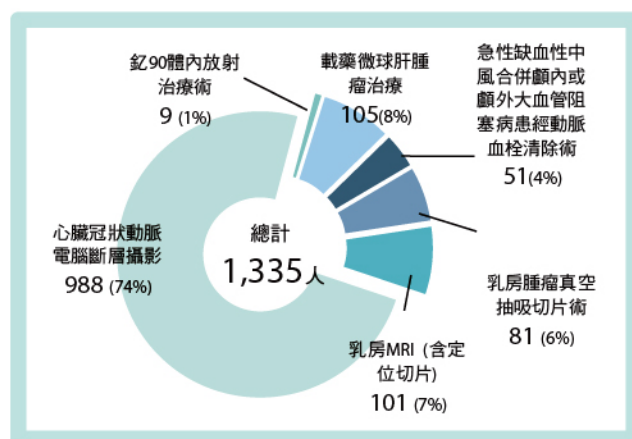
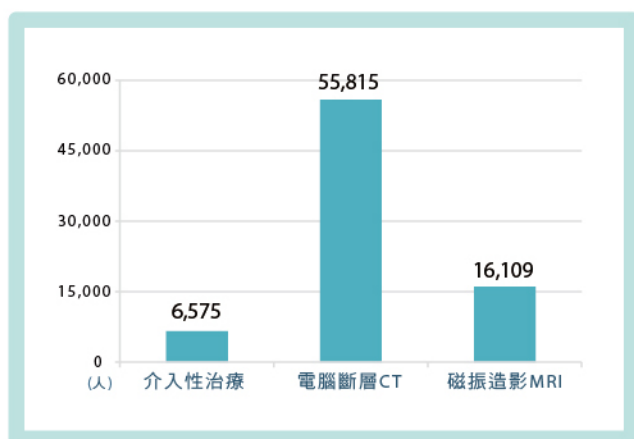
分類	檢驗項次數
外科病理組織及細胞病理檢驗	89,382
臨床病理檢驗	5,293,002
癌症及基因分子診斷檢驗	3,043
總項次量	5,385,427

※臨床病理檢驗包含：生化檢驗、重金屬、濫用藥物及藥物血中濃度、血液學檢驗、血清免疫檢驗、血庫檢驗、病毒檢驗、細菌檢驗、臨床鏡檢、組織相容抗原與抗體檢驗。

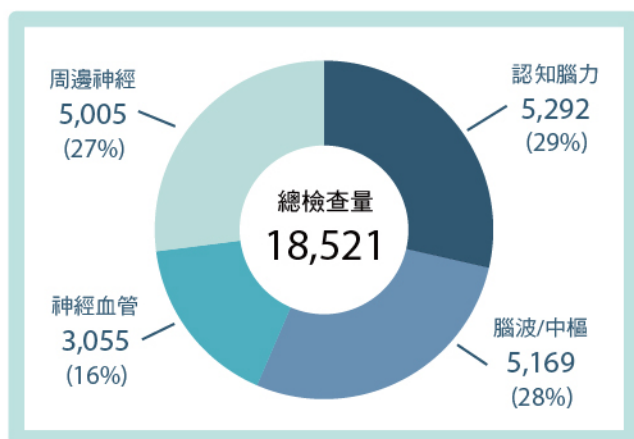
檢查數  
放射診斷

臨床醫療檢查及治療總人數：  
520,602人(含特色醫療)

## 特色醫療



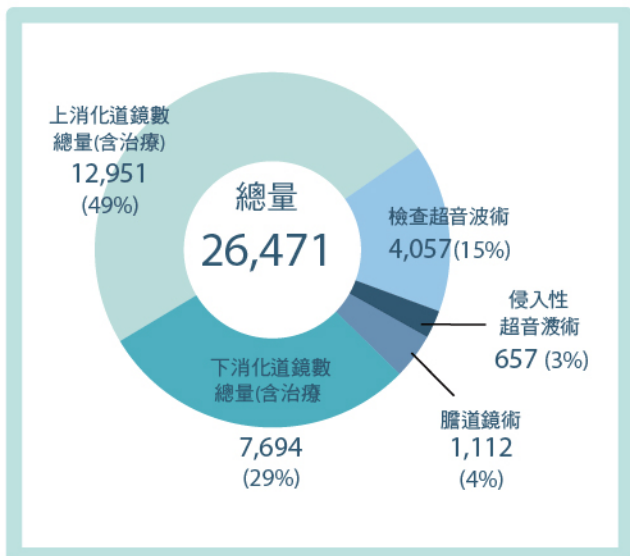
## 神經部



## 核子醫學

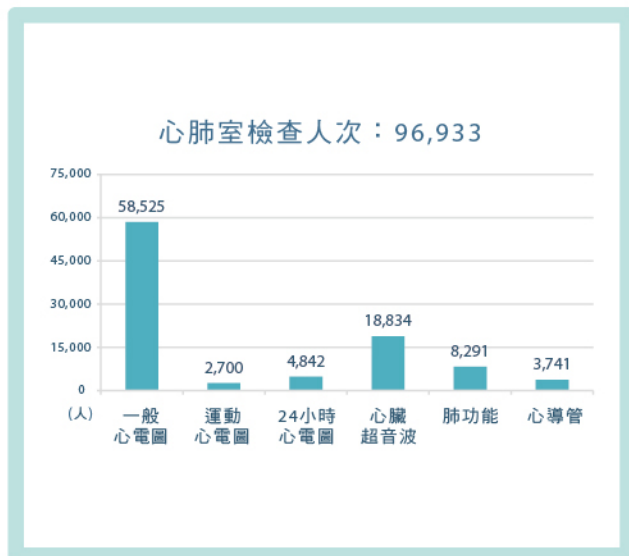
檢查項目	件數
傳統核子醫學影像檢查	13,255
多巴胺轉運體掃描	(435)
正子造影掃描	1,141
放射免疫分析檢驗	165,552
總數	179,948

### 內視鏡室

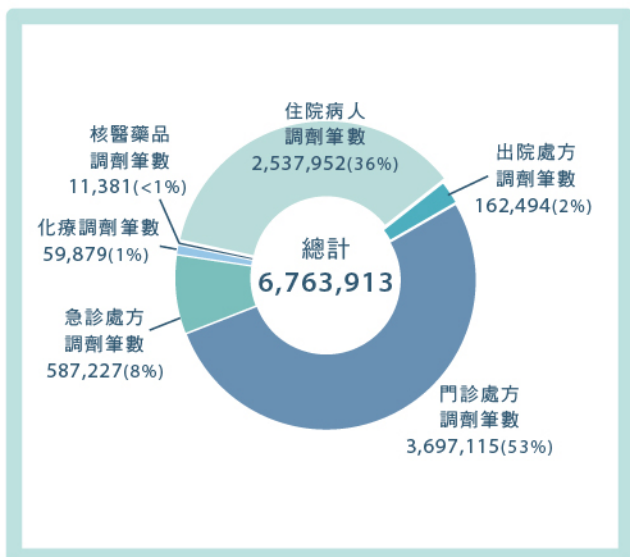


※包含肝腫瘤射頻燒灼術381人。

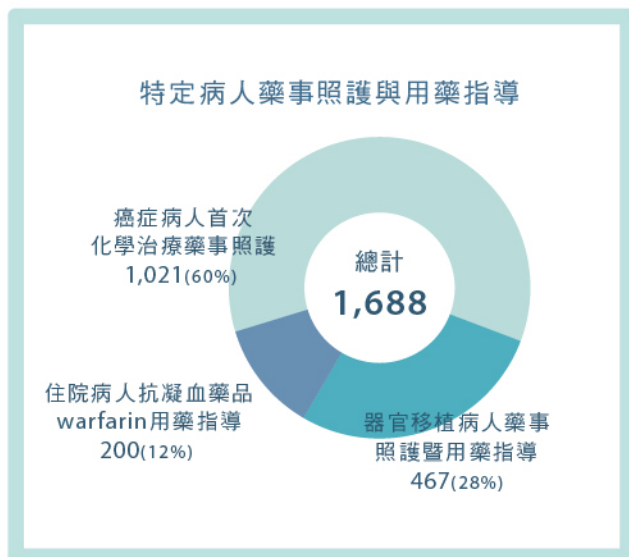
### 心肺室



### 調劑服務量



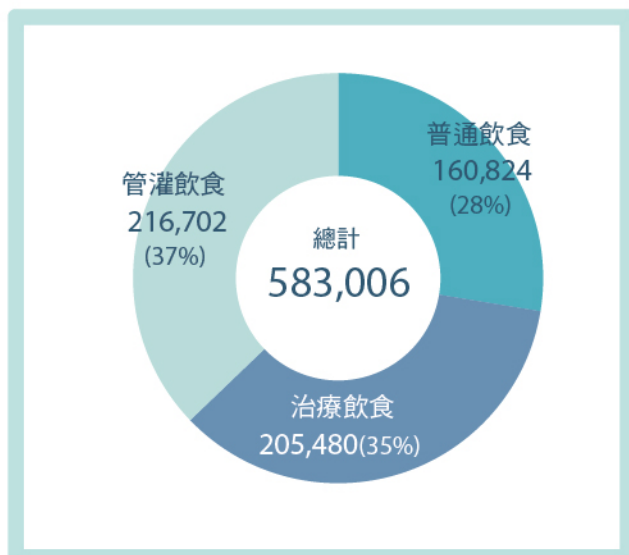
### 特定病人藥事照護與用藥指導



### 臨床藥事服務

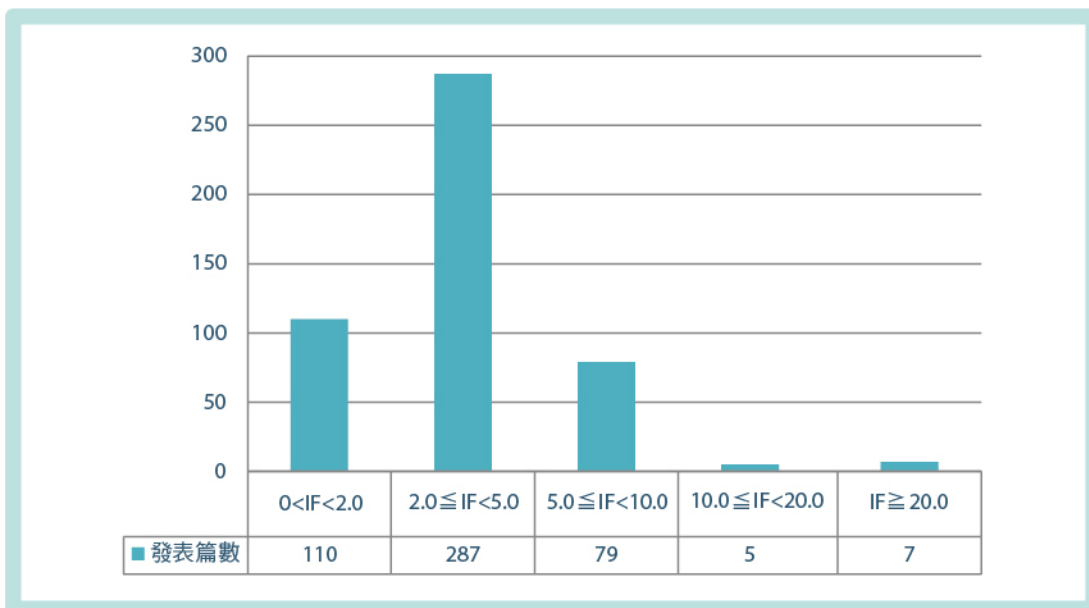
項目	數目
藥物血中濃度監測服務	
監測藥物項目	18
監測評估件數	4,919
一般臨床藥事服務	8,020
藥品不良反應評估	589
臨床試驗藥品管理	373

### 營養部供餐數



## 研究論文數

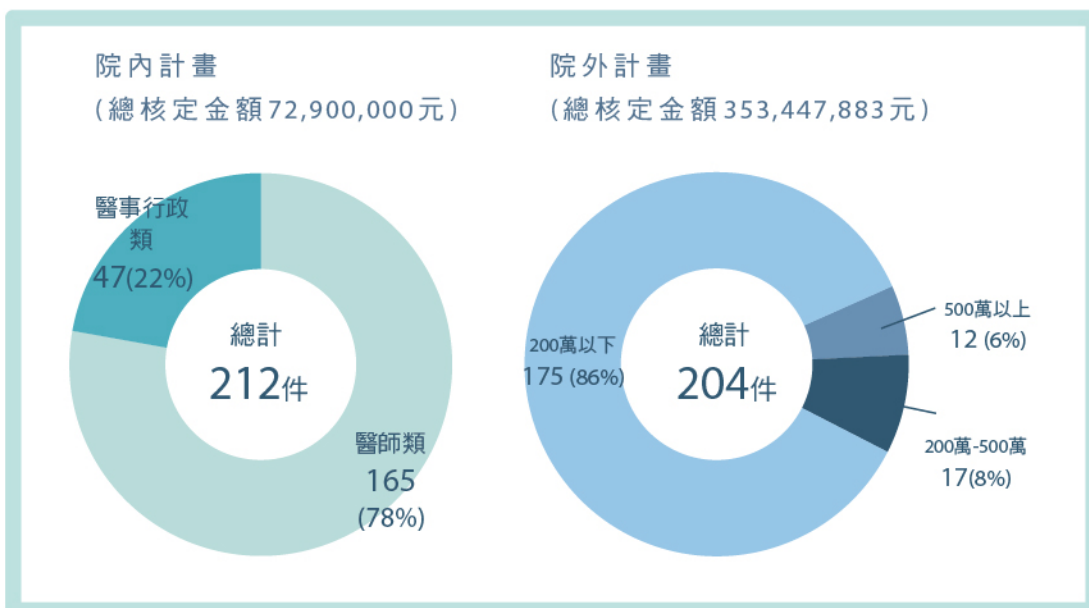
全院共發表SCI期刊論文488篇，Impact Factor平均值為4.029。



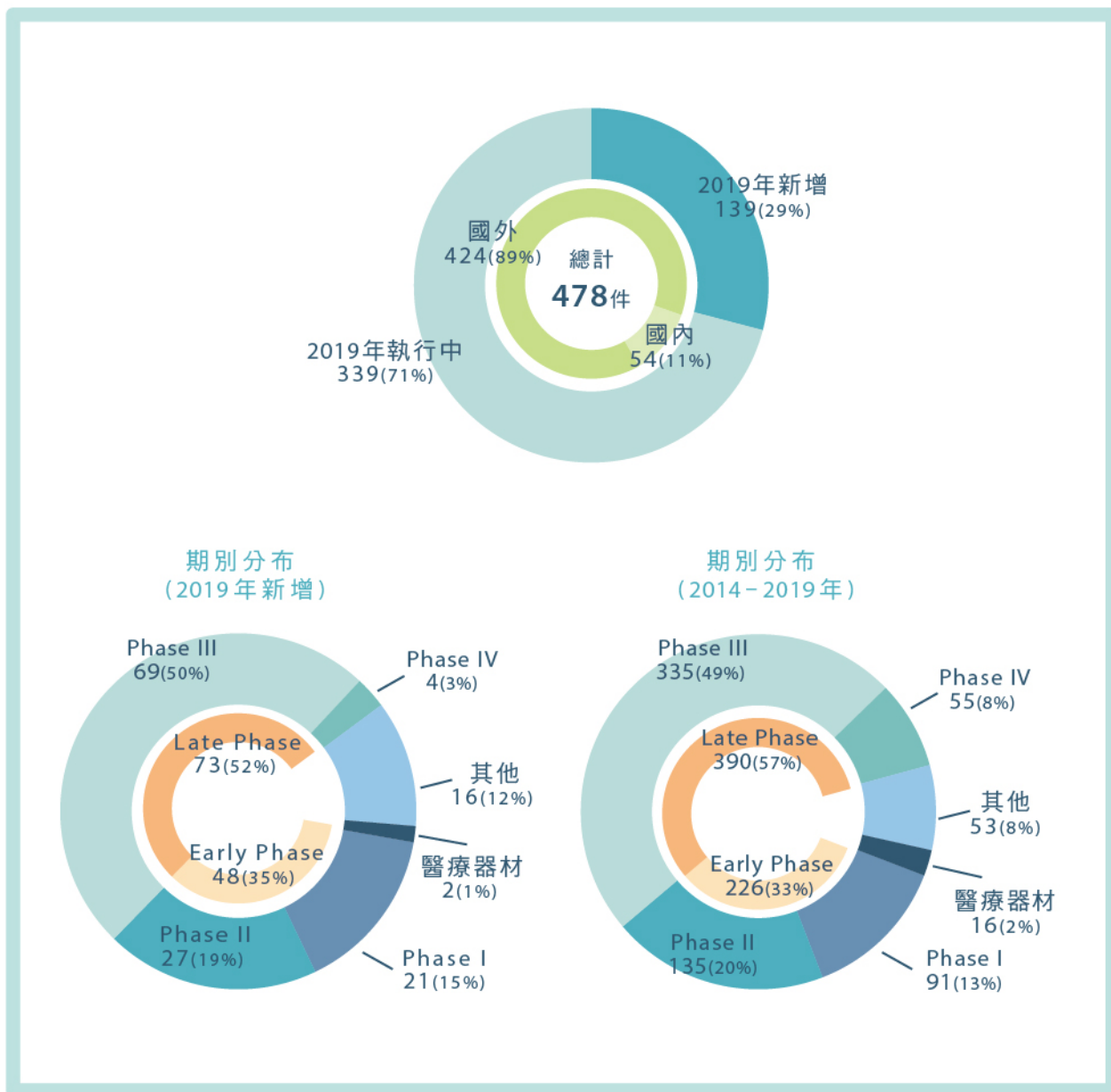
## 學門排名

學門排名	2019 論文篇數	占全院論文百分比
學門排名 ≤ 5%	29	6%
5% < 學門排名 ≤ 20%	119	24%
排名 20% 以後	340	70%
論文總篇數	488	100%

## 研究計畫數



### 臨床試驗數

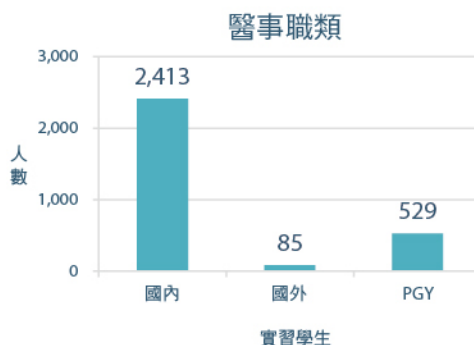
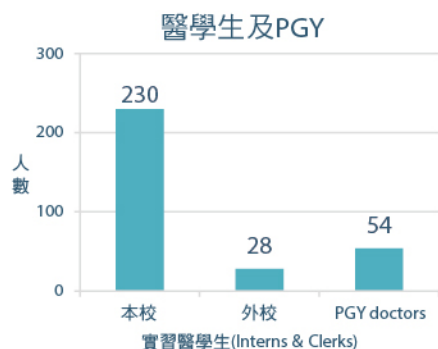


### 創新研發成果

#### 專利

專利別	專利件數	技術轉移
國內專利	4	2
國外專利	5	0

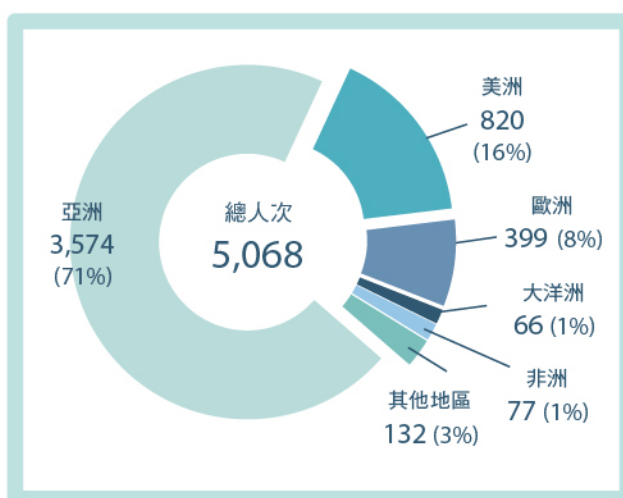
## 學生數目



## 國際醫療合作

項目	數目
援外醫療活動次數	14
援外人力	40
服務人數	2,012
援外國家數	7

## 國際病人來源



## 社會責任

藝文及健康促進活動	場次
藝文活動※	185
健康促進活動(含社區)	907
病友團體※※	48

供餐服務	人次
獨居老人供餐及送餐活動	6,931

社區醫療群共同照護網絡	場次	人數
社區團體衛教	4	146
共同門診	94	2,575

將軍區玉山里及廣山里巡迴醫療	場次	人數
衛教活動	14	245
門診	50	1,015

※藝文活動：門診鋼琴演奏、藝文展演、藝術櫥窗。

※※病友團體：健康100同學會、居家病友支持團體、母乳支持團體-泉乳俱樂部、BC肝炎病友會、氣喘病友會、飛揚俱樂部、肺高壓病友會、心衰竭病友會、慢性腎臟病病友會、成愛家族、失智症、早產兒病友會等。

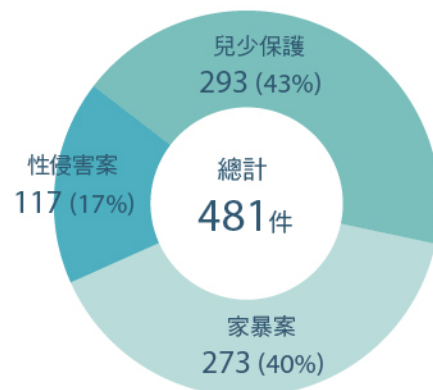
## 器官捐贈

	人數	場次
器捐宣導	4,724	49
器捐勸募成功案例	33	0
器捐健保卡註記	733	0

## 安寧緩和照護

	人數	場次
安寧緩和醫療宣導	2,817	22
安寧緩和醫療健保卡註記	2,011	0

## 保護性業務



## 營運狀況

		千元	
收入	12,827,440	成本與費用	12,437,245
醫療收入	11,759,494	醫療成本	9,993,059
臨床教學研究補助收入	243,310	教學成本	1,131,055
其他政府補助收入	27,642	研究成本	290,339
新藥臨床試驗收入	97,491	新藥臨床試驗費	124,316
受託事業收入※	24,074	受託事業費用※※	14,782
財務收入	60,677	管理及總務費用	728,219
資產使用及權利金收入	62,408	財產報廢短絀	9,304
受贈收入	81,070	其他雜項費用	146,171
其他雜項收入	471,274	<b>本期損益</b>	<b>390,195</b>

※受託事業收入：醫療合作研究發展收入、代訓醫師收入、學生實習收入、短期訓練班收入、其他雜項業務收入、病歷查詢收入及臨床技能測驗收入等。

※※受託事業費用：包含為強化醫療合作及研究以協助地區醫療單位發展，並辦理各類醫事人員之見實習及代訓等業務所需費用。



### Five major disease care certifications, five-star care quality assurance

"Disease care certification" is a certification that provides more in-depth and high-level care quality for the domestic single disease care team. Led by the deputy superintendent, National Cheng Kung University Hospital (NCKUH) passed the quality certification for the care of 5 diseases including kidney disease, heart failure, stroke, diabetes, and chronic obstructive pulmonary disease in 2019. It has greatly improved the depth of care and developed special medical treatment for the hospital, providing people with accessible and high-quality medical services.

#### Highlights of the disease care certification:

1. Intelligent reminder system: use information to build empirical drug use and standard medical orders, to improve inspection and drug use rate, providing thorough prevention.
2. Active monitoring and early warning notification system: actively monitor the results of patient inspections, set up early alert consulting system, and notify of dangerous value. Our medical teams are able to provide comprehensive patient care through cross-team messages where information is not missed.
3. Smart ward for physiological monitoring on the cloud: The intelligent physiological monitoring system keeps abreast of patient changes in a timely manner and care is not delayed.
4. Use of information and communication technology: The use of information and communication systems provides smart and individualized health education guidance system, no delayed answers.



© Development of a new nanocomplex to carry metal particles as a radiosensitizer

The NCKUH team lead by Director Wu-Chou Su, Professor Dar-Bin Shieh, Professor Hai-Wen Chen, Researcher Tsung-Lin Tsai, and Distinguished Professor Chia-Chun Chen of NTNU was awarded the 16th National Innovation Award renewal and issue the Excelsior Award for “Development of a new nanocomplex to carry metal particles as a radiosensitizer”.

Base on the previous studying of FePt alloy nanoparticles which exhibited dual CT/MRI imaging capability, through the regulation of hCtr1 to enhance the cellular uptake and sensitivity of radiotherapy were also achieved. Furthermore, by selecting the specific structure of small molecular inhibitor and polymer system, a novel nanocomplex by carrying FePt alloy nanoparticles as a radiosensitizer was developed. This process not only improve the dispersivity of nanoparticles in liquid phase but also reduce the usage of adjuvant which replace by small molecular inhibitor as surfactant. Due to the capability of nanoparticles as a drug/inhibitor carrier, the cell signaling pathway will be inferenced by selected inhibitor carried by FePt alloy nanoparticles as well. In addition, by using polymer system to encapsulate the FePt nanocomplex can control the release of payload by X-ray which enhance the sensitivity and accuracy of radiotherapy for tumor treatment.



Director Wu-Chou Su received the 16th National Innovation Award renewal and issue the Excelsior Award for “Development of a new nanocomplex to carry metal particles as a radiosensitizer.”

## ◎ EM wave driven high speed molecular diagnostics for precision medicine

Professor Dar-Bin Shieh from NCKUH, Professor Chih-Chia Huang from NCKU, and other scholars has teamed up to develop "EM wave driven high speed molecular diagnostics for precision medicine." The revolutionary project has been awarded the 16th National Innovation Award.

Previously, the team developed the portable genetic analyzer based on the combination of advanced photothermal materials and genetic engineering technology. The instrument can be applied as a rapid implementation at bedside, which integrated sample preparation, signal amplification, quantitative detection, data transmission, and cloud computing platform in one portable platform. It has been proven its superiority and reliability in clinical and animal experiments. Currently, a new version of multiple-reactions module with improved diagnostic efficiency was jointly developed with the National Academy of Sciences Instrument Technology Research Center. The upgraded modules also simplified the assembly process automation and thus reduced the production cost. Furthermore, a new version of the photothermal conversion materials was better photothermal conversion efficiency with lower production cost for massive production. The new diagnostic platform was prominently improved the diagnostic accuracy and stability overall, which provide a promising bedside and real-time diagnostic device in the near future.



Professor Dar-Bin Shieh(5th from left) received the 16th National Innovation Award renewal and issue the Excelsior Award for "EM wave driven high speed molecular diagnostics for precision medicine."

**Superintendent**  
Meng-Ru Shen

**Vice Superintendent**  
Wen-Chien Ko

**Vice Superintendent**  
Thy-Sheng Lin

**Vice Superintendent**  
Jing-Wei Lee

**Vice Superintendent**  
Yen-Kuang Yang

**Medical Secretary**  
Yi-Ching Yang

38 hospital committees

**28 clinical departments**

Internal Medicine / Surgery / Obstetrics and Gynecology / Pediatrics / Urology / Ophthalmology / Otolaryngology / Orthopedic / Dermatology / Psychiatry / Neurology / Anesthesiology / Family Medicine / Physical Medicine and Rehabilitation / Pathology / Stomatology / Medical Imaging / Geriatric and Gerontology / Oncology / Oncology and Radiology / Occupational and Environmental Medicine / Emergency Medicine / Outpatient Services / Cancer Center / Genetics Center / Center for Infection Control / Clinical Medicine Research Center / Clinical Trial Center

**3 departments of allied health**

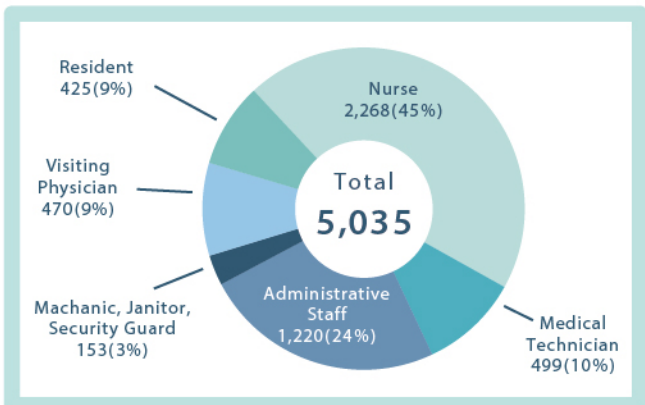
Nursing  
Pharmacy  
Nutrition

**16 administrative units**

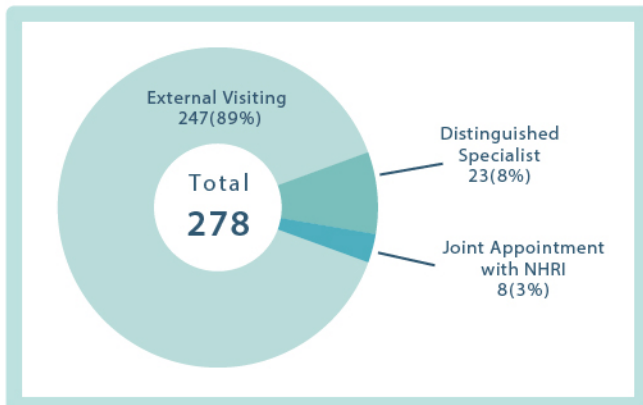
**12 task force centers**

Innovation Center of Medical Devices and Technology / Alzheimer's Dementia Research Center / Diabetes Prevention & Treatment Center / Health Management Center / International Medical Center / Physical Therapy Center / Sleep Medicine Center / Joint Reconstruction Center / Center of Interventional Medicine / Stroke Center / Center for Hospice Palliative Shared Care / Occupational Therapy Center / Cell Therapy Center

**Full-time Staff**



**Part-time Visiting Physician**



Date: As of December 31, 2019

## Number of beds

General beds		Special beds	
Acute general beds	Acute psychiatric beds	Intensive care beds	Others <sup>※</sup>
916	30	126	287

※Others include: Burn care beds, Isolation beds, Bone marrow transplantation beds, Psychiatric intensive care beds, Burn intensive care beds, Hemodialysis beds, Nursery beds, Infant care beds, Palliative care beds, Emergency observational beds, Surgery recovery beds, Subacute respiratory care beds, Labor observational beds.

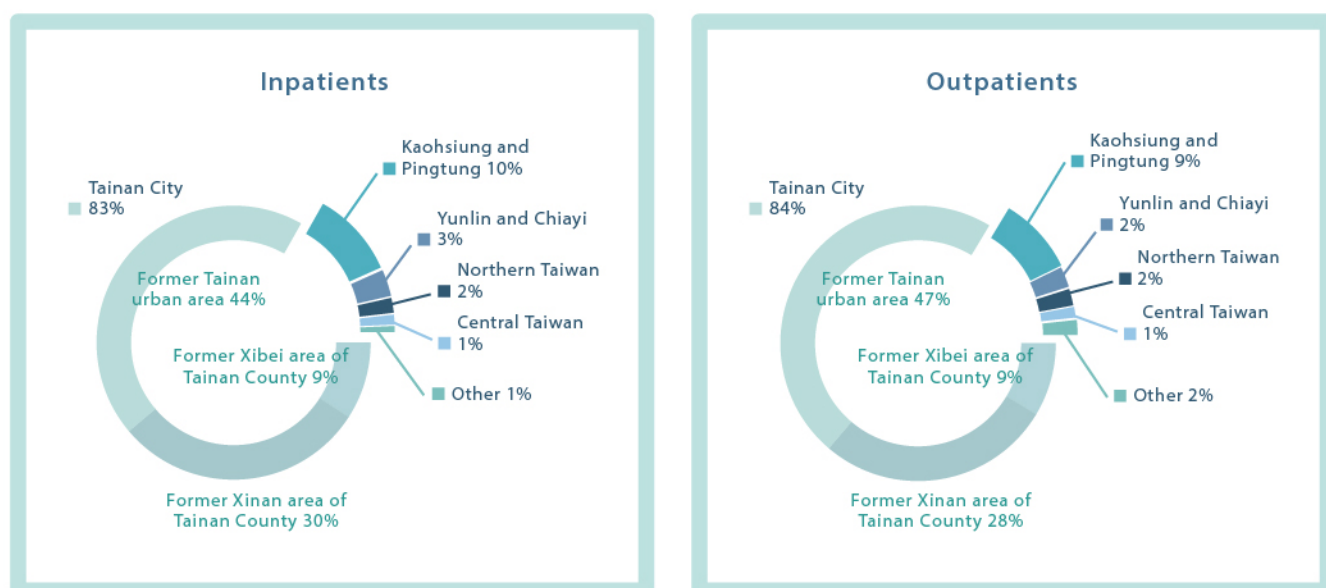
Occupancy rate	90.4%
Average length of stay	7.1days

## Service Volume

Inpatient			Outpatient		Emergency patient	
Number of inpatients	Days of stay	Average daily inpatients	Outpatient visits	Average daily visits	Emergency visits	Average daily visits
56,749	397,980	155	1,569,650	6,304	99,954	274

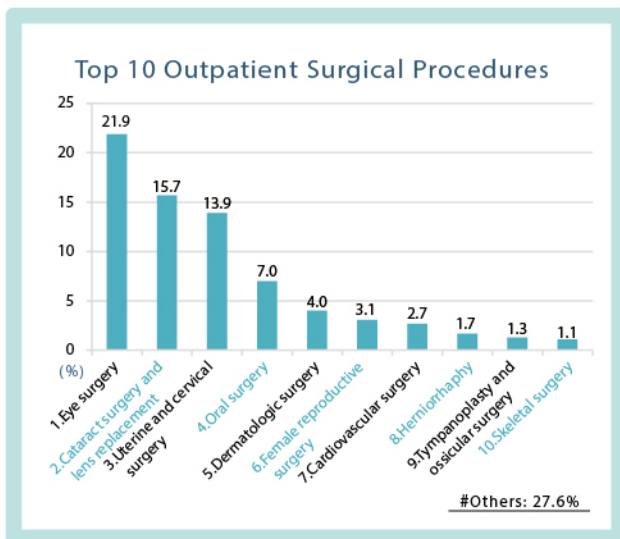
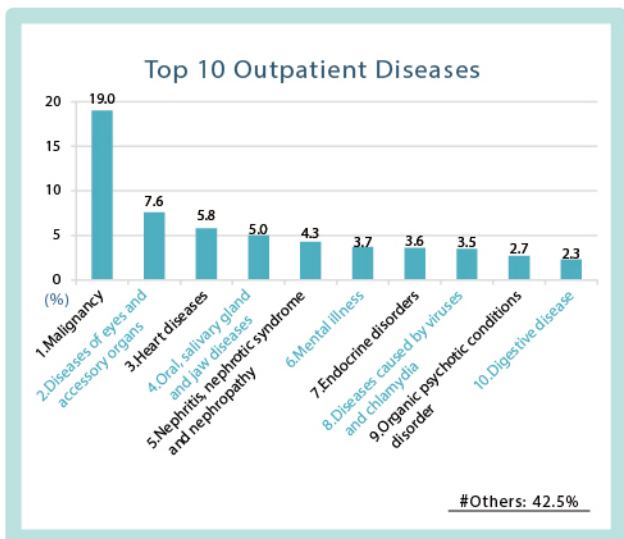
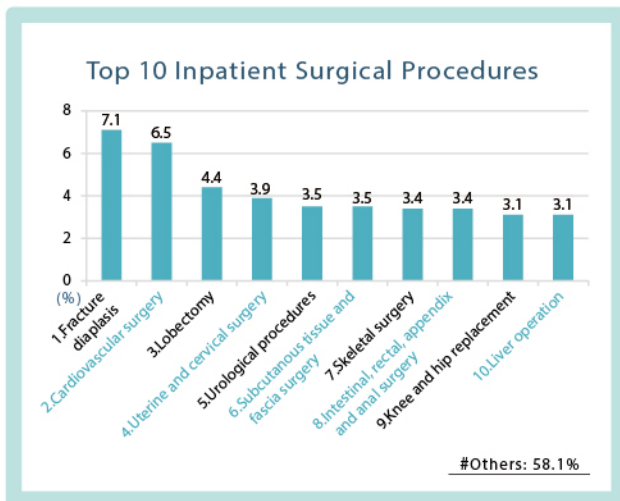
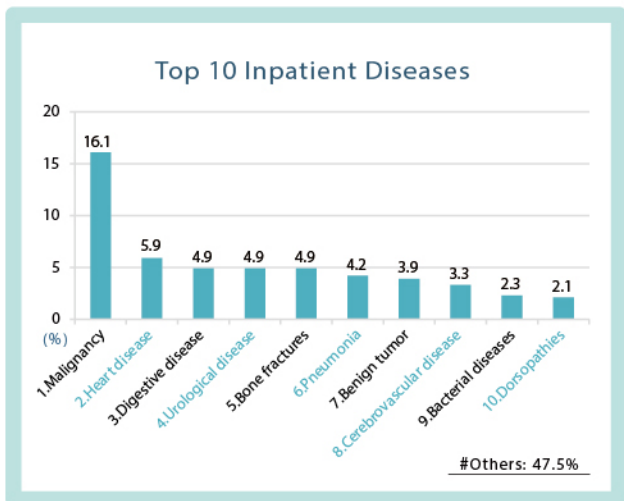
※Total opening days in 2019: 249 days  
Defined by the Ministry of Health and Welfare "Annual Survey of Service Volume in medical institutions"

## Geographic Origins of Patients

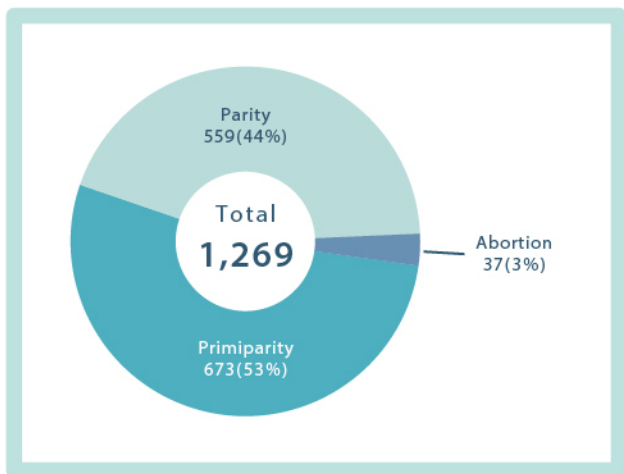


Northern Taiwan includes Taipei, New Taipei, Keelung, Taoyuan, Hsinchu, and Miaoli. Central Taiwan includes Taichung, Changhua, and Nantou. Others include Yilan, Hualien, Taitung, Penghu, Lienchiang, Kinmen, and international patients.

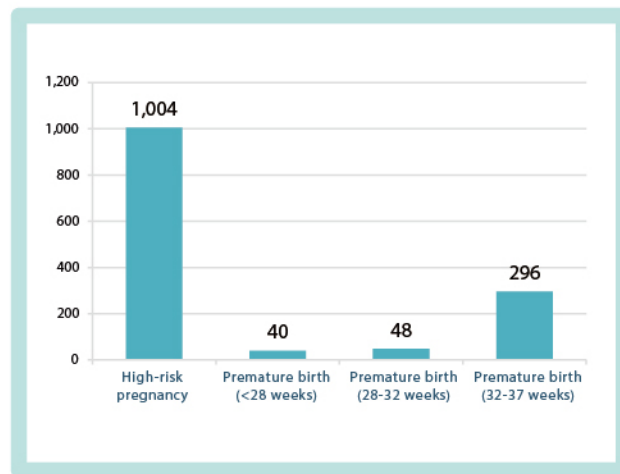
## Top 10 Statistics



## Deliveries

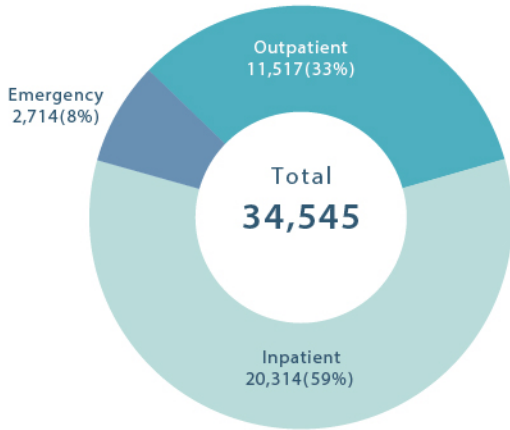


## High-risk pregnancy



High-risk pregnancy: defined by "Emergency Medical Services Evaluation"

## Surgical Procedure



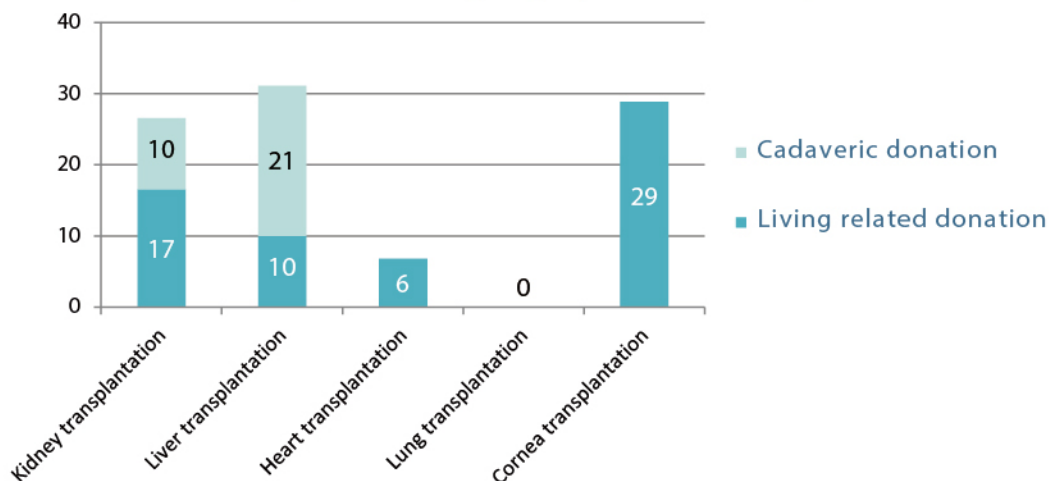
By Specialty	Number	%
General Surgery	5,590	16.2
Orthopedics	4,380	12.7
Urology	3,805	11.0
Ophthalmology	3,469	10.0
Otolaryngology	3,437	9.9
Plastic and Reconstructive Surgery	3,160	9.1
Obstetrics and Gynecology	2,752	8.0
Cardiovascular Surgery	2,342	6.8
Thoracic Surgery	2,125	6.2
Neurosurgery	1,255	3.6
Trauma and Acute Care Surgery	794	2.3
Stomatology	673	2.0
Pediatric Surgery	468	1.3
Anesthesiology	93	0.3
Others	202	0.6
<b>Total</b>	<b>34,545</b>	<b>100</b>

## Endoscopic Surgery

By Specialty	Number	%
General Surgery	1,595	22.7
Urology	1,521	21.7
Obstetrics and Gynecology	1,338	19.1
Otolaryngology	898	12.8
Thoracic Surgery	797	11.4
Orthopedics	398	5.7
Trauma and Acute Care Surgery	293	4.2
Neurosurgery	59	0.8
Ophthalmology	57	0.8
Pediatric Surgery	43	0.6
Plastic and Reconstructive Surgery	14	0.2
Stomatology	3	0.04
<b>Total</b>	<b>7,016</b>	<b>100</b>

※Excluding 216 patients undergoing the da Vinci Surgical System

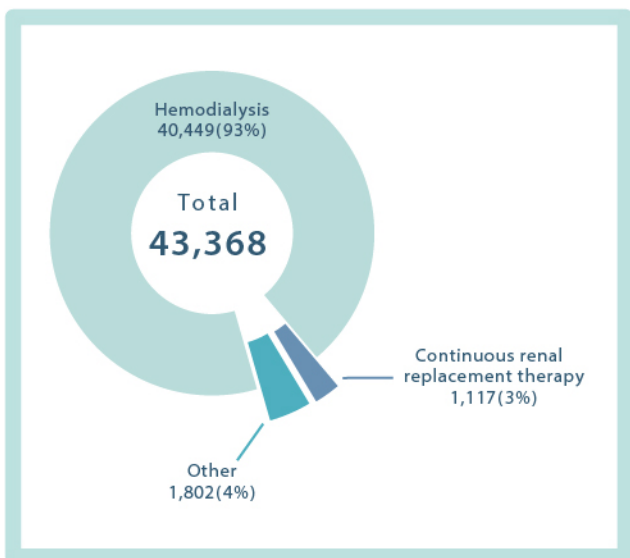
Total number of patients undergoing organ or tissue transplantation: 93



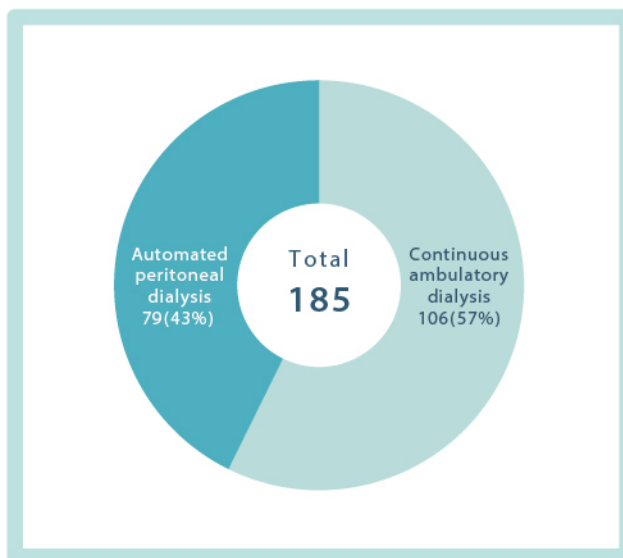


## Dialysis

### Hemodialysis



### Peritoneal Dialysis

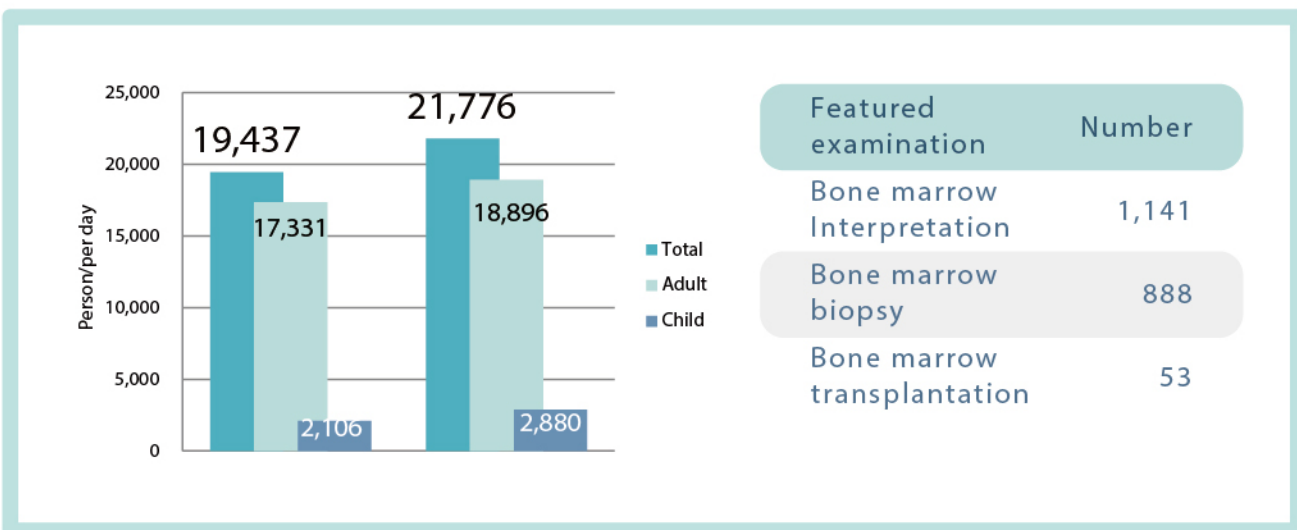


Other treatments	Number
Double filtration plasmapheresis	254
Plasma Exchange	301
Insertion of hemodialysis catheter	1,247

## Radiotherapy

Treatment	Number	Featured treatment	Number
Mould Manipulation	1,985	Invasive Brachytherapy	287
CT-simulation	2,354	Keloid Brachytherapy	8
Linear Accelerator	Portal : 199,167 Patient No. : 39,506 IGRT : 3,503	Treatment Planning	1,949

## Chemotherapy



Featured examination	Number
Bone marrow Interpretation	1,141
Bone marrow biopsy	888
Bone marrow transplantation	53

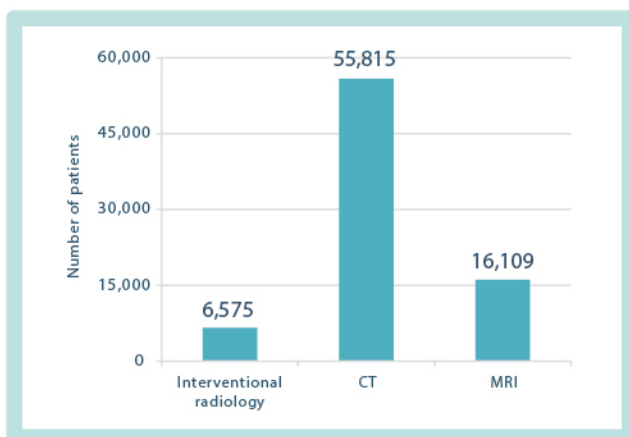
## Laboratory tests

Classification	Number
Surgical pathology and Cytopathological Test	89,382
Clinical Pathology Tests	5,293,002
Cancer and Genetic Diagnostic testing	3,043
<b>Total</b>	<b>5,385,427</b>

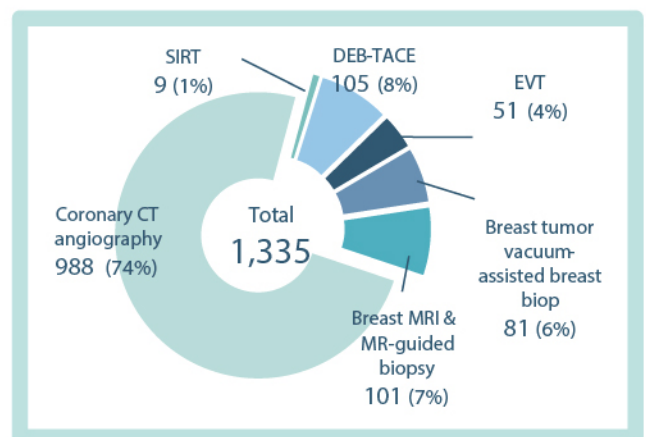
Clinical Pathology Tests include: Biochemistry, Heavy metals testing, Therapeutic drug monitoring, Hematology, Sero-Immunology, Blood bank testing, Virology, Bacteriology, Clinical Microscopy, Histocompatibility antigen and antibody testing

## Examinations Diagnostic Radiology

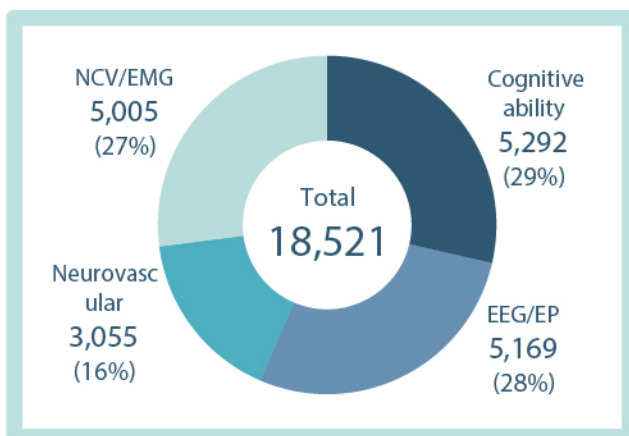
### Advanced Medical Imaging



### Feature Treatments



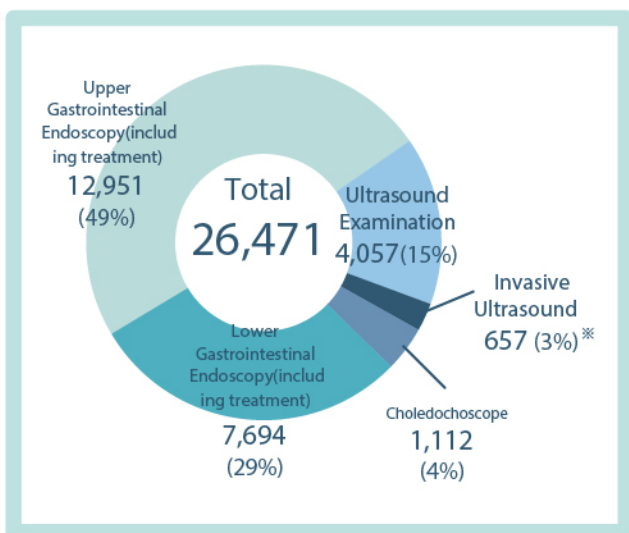
### Department of Neurology



### Nuclear Medicine

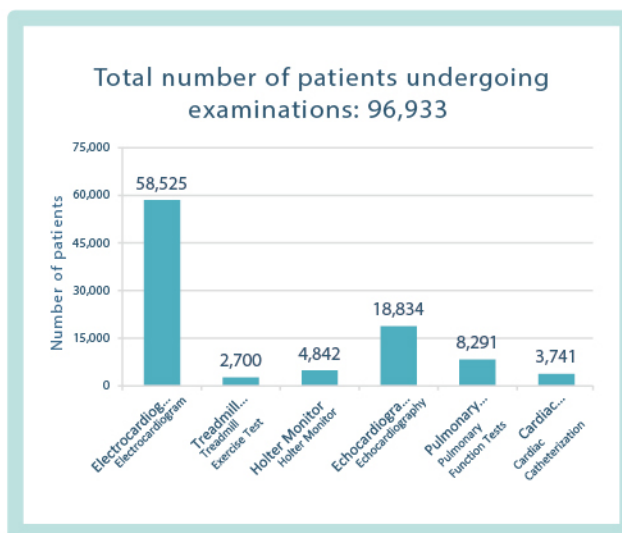
Examination	Number
Conventional Nuclear Medicine Imaging	13,255
Dopamine Transporter Scan	(435)
PET	1,141
Radioimmunoassay	165,552
<b>Total</b>	<b>179,948</b>

## Endoscopy Room

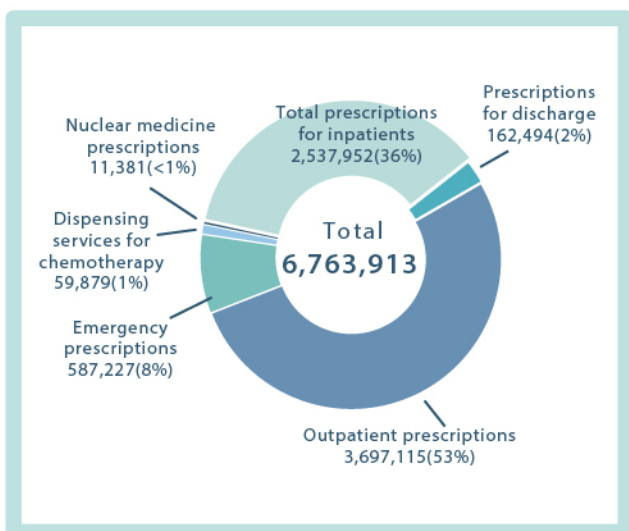


Including 381 patients taking Radiofrequency Tumor Ablation treatments

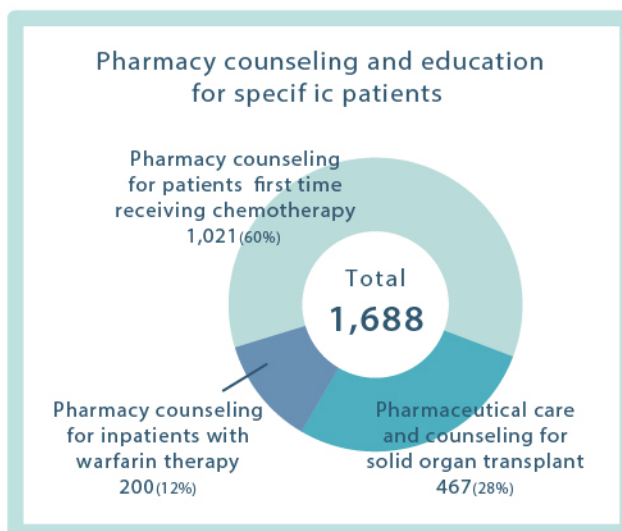
## Cardiopulmonary Room



## Dispensing Service



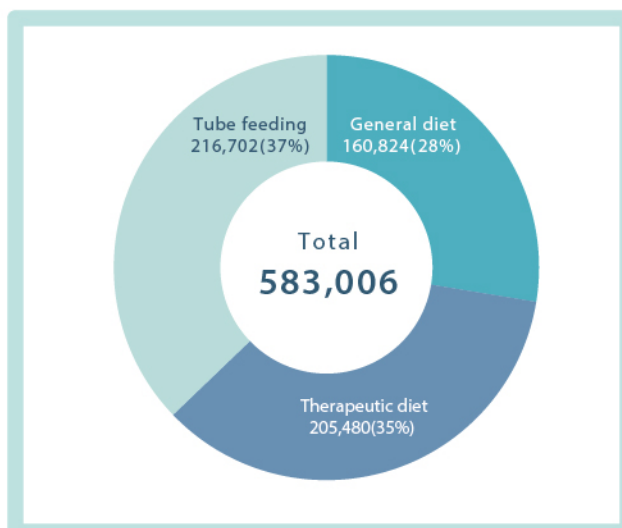
## Pharmacy counseling and education for specific patients



## Clinical Pharmacy Service

Items	Number
Therapeutic Drug Monitoring (TDM)	
Items	18
Pharmacist evaluations for TDM	4,919
Clinical pharmacy service and counseling	8,020
Adverse drug reactions evaluation	589
Investigational pharmacy management	373

## Department of Nutritional Services



### SCI theses

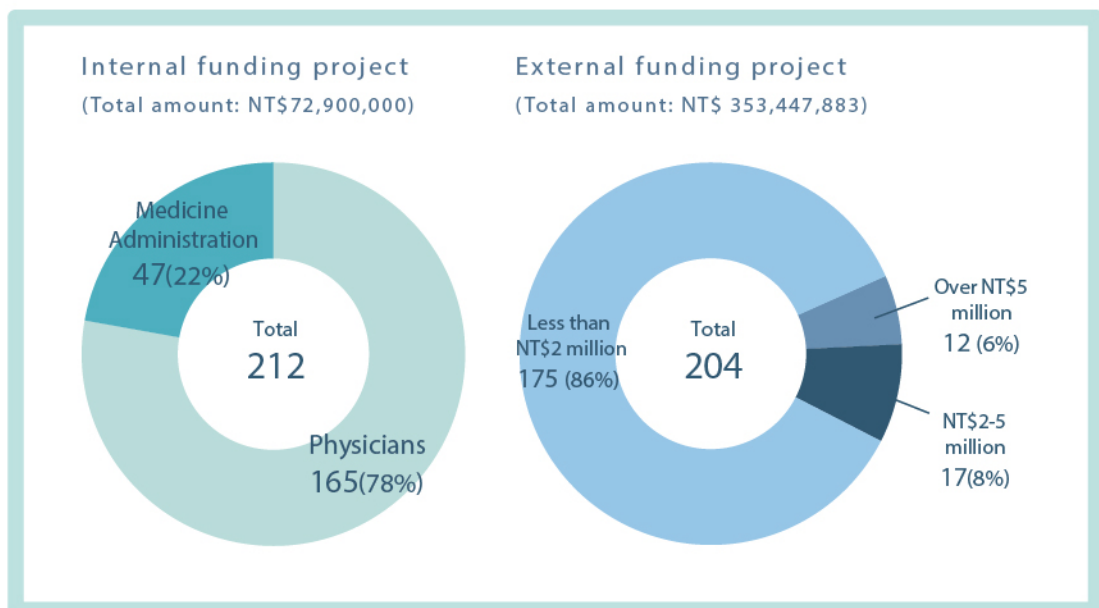
The NCKU Hospital published a total of 488 SCI theses, with an average impact factor of 4.029.



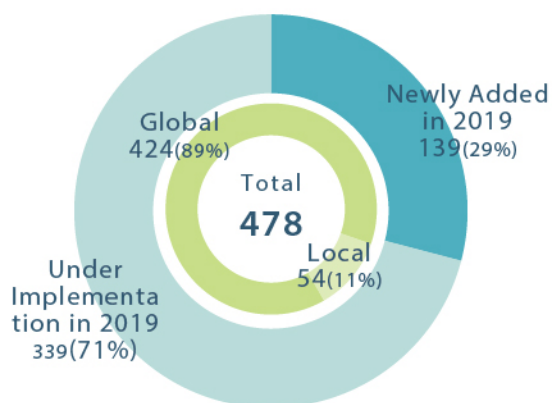
### Category Ranking

Ranking	Number of theses	Percentage
Ranking ≤ 5%	29	6%
5% < Ranking ≤ 20%	119	24%
5% < Ranking	340	70%
Total	488	100%

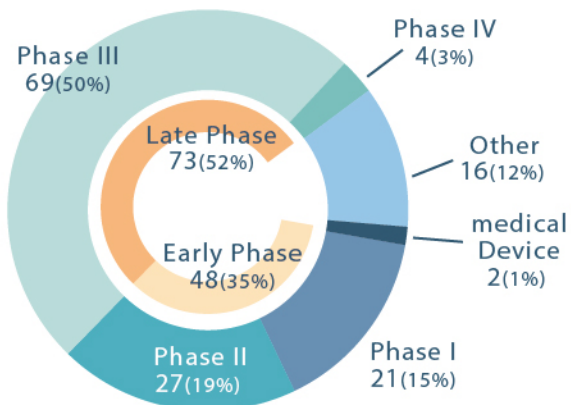
### Research Project



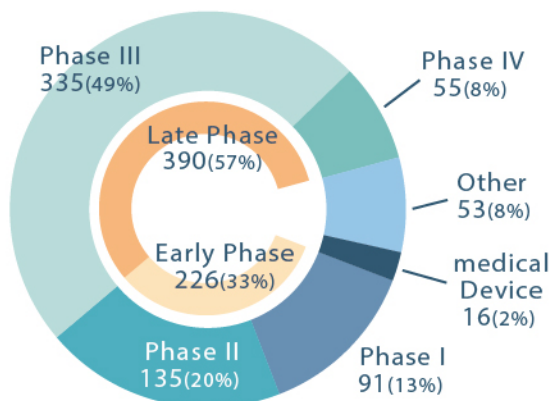
## Clinical trial



Phases Distribution (Newly added in 2019)



Phases Distribution (2014-2019)

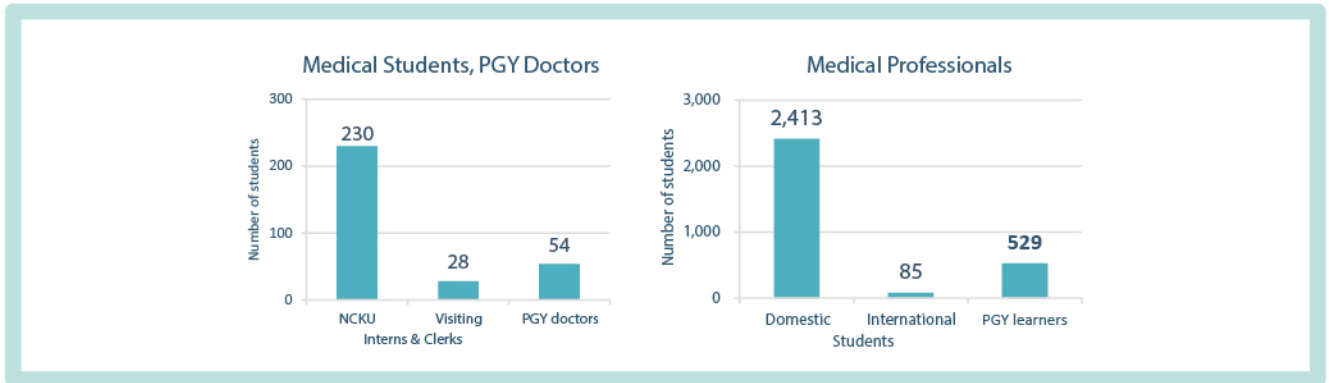


## Achievements of Innovative Research and Development

### Patents

Types of Patents	Patents	Technology Transfer
Domestic	4	2
Foreign	5	0

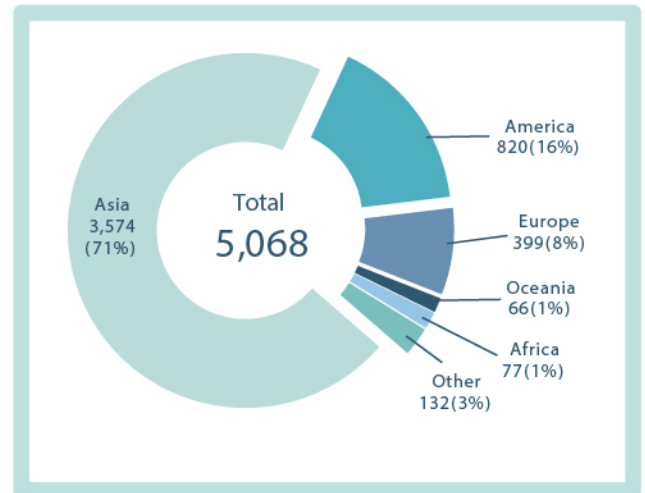
## Student



### International Medical Collaboration

Item	Number
Foreign Medical Aid Activities	14
Number of staffs involved	40
Number of patients served	2,012
Number of countries served	7

### Nationalities of Foreign Patients



### Social Responsibility

Artistic and Health Promotion Activities	Events
Artistic events	185
Health promotion activities (including community activities)	907
Patient groups	48

Meal Service	Persons
Meal delivery service for solitary elders	6,931

Artistic Events include: piano performance in the outpatient building, art exhibitions, and art window.

Patient Groups include: Always Healthy Club, Homecare Patient with Caregiver Support Groups, Breastfeeding Support Group, The NCKUH Hepatitis Alliance, Patient Alliance of Asthma, Smile Flying Club, Pulmonary Hypertension Patient Groups, Heart Failure Support Group, NCKUH kidney Patients' Association, Donors' Family Club, Alzheimer's Dementia Research Center (ADRC), NICU Parents Support Group.

Community Healthcare Group Shared Care Network	Times	Persons
------------------------------------------------	-------	---------

Community health education	4	146
Share care clinic	94	2,575

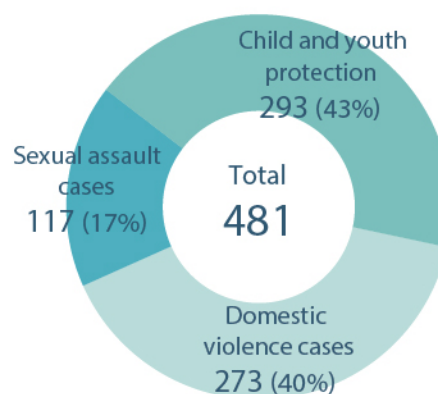
Mobile Healthcare in Yushan and Guangshan Village, Jiangjun District	Times	Persons
----------------------------------------------------------------------	-------	---------

Health education	14	245
Outpatient clinic	50	1,015

### Organ Donations

### Social Security Service

	Persons	Sessions
Advocacy activity	4,724	49
Registered case	33	0
National Health Insurance IC card annotation	733	0



### Hospice Care

	Persons	Sessions
Advocacy activity	2,817	22
National Health Insurance IC card annotation	2,011	0

### Financial Report

In thousand dollars

Revenue	12,827,440	Cost and expenditure	12,437,245
Medical revenue	11,759,494	Medical cost	9,993,059
Clinical teaching and research grants	243,310	Teaching cost	1,131,055
Other government grants	27,642	Research cost	290,339
Revenue from clinical trials of new medicines	97,491	Cost for clinical trials of new medicines	124,316
Entrusted business income	24,074	Entrusted business expenditures	14,782
Financial Income	60,677	Management and general affairs expenditures	728,219
Asset use and royalty income	62,408	Property scrapping deficits	9,304
Income from donations	81,070	Miscellaneous expenditures	146,171
Miscellaneous income	471,274	<b>Current profit and loss</b>	<b>390,195</b>

Entrusted business income: medical cooperation R&D income, doctor training income, student training income, short-term training income, miscellaneous income, medical record inquiry income, clinical skill testing income, etc.

Entrusted business expenditure: Includes strengthening medical cooperation and research to enhance the development of regional medical care units, and expenditures required for the implementation of training and internships of various medical personnel.



國立成功大學醫學院附設醫院  
National Cheng Kung University Hospital

70403臺南市北區勝利路138號  
No.138, Shengli Rd., North Dist., Tainan City 70403, Taiwan (R.O.C.)  
Tel:886-6-2353535 <http://www.hosp.ncku.edu.tw/>