



# 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







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## 設立宗旨 STRATEGIC GOALS

- 提供臨床教學實習  
Offering clinical teaching and internship
- 促進醫學之研究發展  
Promoting medical research and development
- 提供完善之診療服務  
Offering excellent medical services to the public
- 協助地區醫療單位之發展  
Assisting the development of local medical units and institutions
- 辦理各類醫療人員繼續教育  
Holding continuous medical education programs for medical personnel

## 願景 CORE GOALS

- 民眾最理想的健康照護中心  
Being the best medical care center for the general public
- 醫療人員最理想的教學研究與工作環境  
Being the best teaching, research and work environment for medical professionals

## 核心價值 CORE VALUES

- 生命、愛心、卓越、創新  
Life, Love, Excellence, Creativity

# 策略目標 STRATEGIC GOALS

## 01 顧客 — 提供全人的優質醫療

Customer-Provide excellent holistic medical care

- C.1提供整合性全人醫療照護 C.1 Provide integrated holistic medical care
- C.2提升內外部顧客滿意度 C.2 Increase customer satisfaction internally and externally

## 02 內部流程 — 落實病人安全及便利就醫

Internal Process-Ensure patient safety and access to care

- I.1營造安全就醫環境 I.1 Create a safe medical environment
- I.2建置便利就醫流程 I.2 Implement convenient care-seeking procedures
- I.3強化資通訊科技運用 I.3 Strengthen Information and Communication Technology usage

## 03 學習成長 — 培育全人照護能力的醫事人才

Learning and Development-Cultivate Holistic Care Medical Professionals

- L.1提供全人照護的人才培育 L.1 Train staffs for holistic care
- L.2強化師資培育及教學能力評估 L.2 Strengthen teachers' skills of teaching and assessment
- L.3提升跨領域團隊合作照護能力 L.3 Enhance interprofessional education and practice
- L.4提升臨床技能中心教學效能 L.4 Maximize the efficacy of clinical skill center

## 04 學習成長 — 建構卓越醫學研究中心

Learning and Growth-Construct an excellent medical research center

- R.1提升研究動能 R.1 Enhance research momentum
- R.2躍升國際計畫 R.2 Increase international projects
- R.3開發尖端醫療科技 R.3 Develop cutting edge medical technologies

## 05 財務 — 強化醫療效益及永續經營

Financial-Reinforce medical benefits and sustainable management

- F.1改善成本結構，穩定醫療收入 F.1 Improve cost structure and stabilize medical revenue
- F.2提高資源配置適當性 F.2 Increase the suitability of resource allocation
- F.3避免醫療資源浪費 F.3 Reduce waste of medical resources

## 06 社會責任 — 善盡社會責任

Social Responsibilities-Uphold social responsibilities

- S.1整合社區推動健康促進及長期照護 S.1 Integrate communities to carry on health promotion and long-term care
- S.2推動綠色醫院 S.2 Promote green hospitals
- S.3推動國際醫療 S.3 Promote international medical service

# 國立成功大學醫學院附設醫院

## 病人權利與配合事項

### 病人權利

#### 公平醫療

本院不會因為性別、年齡、宗教、種族、國籍、職業、身分等而有差別待遇。

#### 專業識別

本院醫事人員均配戴識別證，若未配戴者，您可拒絕其提供之醫療服務。

#### 告知說明

本院醫療人員為您診治時，會向您或親屬告知病情、治療方針、處置、用藥、預後情形及可能之風險等。

#### 醫療參與

鼓勵您參與醫療過程及決策，並歡迎您發問、討論或要求說明。您亦可徵詢其他醫師之第二意見。您有權利接受或拒絕醫療人員有關檢查或治療的建議。

#### 知情同意

手術、麻醉、侵入性檢查或治療前，本院醫師會先向您或您的法定代理人、配偶、親屬或關係人說明該處置的原因、成功率、可能的併發症、副作用、風險及替代方案等，經同意並簽具同意書後，我們才會進行檢查或治療，但依醫療法規定，遇有緊急情況時，則不在此限。

#### 隱私保護

本院依法善盡保密您病歷資訊之義務；合乎法律及醫學倫理情況下，尊重您不願告知特定家屬或他人您病情之意願；您可以請本院同仁設定拒絕訪客查詢住院資料。

#### 病歷申請

若您本人、法定代理人或經授權之人需要申請病歷複製本、各類診斷證明書、影像資料光碟複製等病歷資料，應出示相關證明文件。

#### 安寧療護

末期病人可以拒絕施行心肺復甦術及選擇安寧緩和醫療，成年人均可以簽署「預立選擇安寧緩和醫療意願書」，您也可以簽立醫療委任代理委任書。您的意願選擇，隨時都可以以書面撤回。

#### 意見反應

反應管道：

1. 電話06-2766668或分機6668
2. 電郵hospital@mail.hosp.ncku.edu.tw
3. 填寫意見表投入院長信箱。

### 病人配合事項

#### 醫療事宜

1. 請您配合醫療團隊的治療計畫，包括飲食、運動、藥物及復健等，並應將病情、病史、藥物過敏史及是否正在使用其他醫療方式等重要資訊，詳實告知醫療人員。
2. 請勿接受不明人士宣稱或推銷之保健食品或藥品。
3. 您在做醫療決定前，應先了解拒絕或接受治療可能造成的風險。
4. 若醫師認為病情不適合出院，而您堅持出院時，依醫療法規定，須請您填具自動出院書。
5. 因病情狀況，經醫師判定適合出院或轉床時，應請配合。
6. 您不得要求醫事人員提供不實的資料或診斷證明。
7. 您應遵守本院暨健保的相關規定。

#### 醫療費用

請您瞭解並同意負擔各項診治費用及其付費方式。若需採用健保不給付之自費項目時，本院會先作說明並經您同意後才施行。

#### 感染管制

為保障您與他人健康，請遵守本院感染管制規範及措施：

1. 請多洗手；若您有發燒或呼吸道症狀(如咳嗽)請配戴口罩。
2. 請勿攜帶輸液、引流管路、穿著手術衣或探病衣，進入商場、公共場所等。
3. 免疫功能低下、發燒、腹瀉或呼吸道症狀(如咳嗽)病人，應避免出入商場及公共場所等。
4. 特殊隔離病人於隔離期間，非經醫護人員同意，不得離開病室，照顧者請勿與其他病人及照顧者接觸。

#### 環境衛生

本院全面禁菸、禁酒及禁嚼食檳榔，特定區域內禁用手機。除導盲犬外，禁止將寵物帶入院區。

#### 財物管理責任

本院無承擔個人財物遺失或損壞的責任，請勿攜帶貴重物品到院或自行妥善保管財物。若發生財物遺失事件，本院可協助找尋，或於必要時陪同您向管區派出所報案。

#### 拍照錄影錄音

為維持醫療運作暨維護病房安寧，並保障其他病友與本院人員之隱私權等，請您勿在本院院區內進行採訪、拍照、錄影或錄音。

#### 院區安全

1. 本院門禁時段為晚間9:30至次日早上7:00。門禁期間，僅持有陪病證者可進出病房，無陪病證者應在晚間9:30前離院，以維護病室安寧及公眾安全。
2. 禁帶危險物品或法定違禁品到院，違者本院得中止醫療辦理出院程序或報案處理。若於院內發現有暴力行為之虞或可疑人士，請通知警衛人員處理。

# National Cheng Kung University Hospital

## Patient Rights and Guidelines

### Patient Rights

#### Equal Medical Treatment

Patients of this Hospital will receive access to equal medical treatment regardless of gender, age, religion, race, national origin, occupation, or social status.

#### Professional Identification

The medical staff of this Hospital must wear ID badges. You may refuse treatment by those who fail to display any ID badges.

#### Informing

While the medical staff members provide treatment for you, they will inform you or your family of your condition, treatment plan, treatment, medication, prognosis, potential risks, etc.

#### Medical Participation

We encourage you to participate in the treatment process and decision making, and we welcome you to raise questions, discuss the matter, or ask for instructions. You may also seek a second opinion from other doctors. You have the right to accept or refuse any advice on examination or medical treatment made by the medical staff.

#### Informed Consent

Before any surgery, anesthesia, invasive examination or treatment, the doctor will first explain to you, your legal representative, spouse, relatives, or related people the reason for the treatment, success rate, possible complications, side effects, risks, and alternatives. Only after the consent is signed and agreed to will we proceed with the examination or treatment. However, according to Medical Law, this does not apply in case of emergency.

#### Privacy Protection

This Hospital has the responsibility to protect the confidentiality of your medical records. We respect your unwillingness to inform specific relatives or others of your condition as long as it is in accordance with the law and medical ethics. You can ask a staffer to block visitors from looking up your hospitalization information.

#### Application for Medical Records

When you, your legal representative, or an authorized party applies for a copy of your medical records, medical certificates, or a disk of copied images, you are required to provide identification information.

#### Hospice Care

Patients with terminal illness may refuse CPR and opt for hospice care. Adult patients can sign "Pre-Consent to Hospice Care." You can also sign a medical power of attorney. You can make your own decision and you are able to withdraw the decision in writing anytime.

#### Opinions

Tell us your opinions via:

1. Tel 06-2766668 or dial extension 6668
2. Email: hospital@mail.hosp.ncku.edu.tw
3. Fill in the feedback form and post it in the director's mailbox.

### Patient Guidelines

#### Medical Matters

1. We ask you to comply with the treatment plan of our medical team, including eating, exercising, medication and rehabilitation plan. Also, we ask you to faithfully inform the medical staff of your condition, medical history, allergies to medications, and medical treatments you are currently undergoing.
2. Do not accept health food or medicine promoted or sold by unknown people.
3. Before you make any medical decisions, you must first know the potential risks arising from accepting or refusing the treatment.
4. If you insist on leaving the hospital when the doctor considers your condition to be unsuitable for being discharged, you must fill in an AMA (against medical advice) form.
5. We ask for your cooperation when the doctor advises hospital discharge or intra-hospital transfer according to your condition.
6. You are not allowed to ask our medical staff to provide you with unfaithful information or medical certificates.
7. You must comply with the pertinent regulations of this Hospital and National Health Insurance.

#### Medical Expenses

We ask you to look into, and agree to, the treatment expenses and corresponding payment method. If you are using self-pay treatment not covered by National Health Insurance, we will first provide you with instructions and only perform the treatment after obtaining your consent.

#### Infection Control

To protect the health of yourself and others, please adhere to the infection control regulations and procedures:

1. Wash your hands frequently; wear a surgical mask if you have a fever or respiratory problem (e.g. coughing).
2. Do not bring any infusion, drainage tube, or wear any hospital gown or clothing for patient visits to shopping malls or public areas.
3. Patients with a weak immune system, fever, diarrhea or respiratory problem (e.g. coughing) should avoid going to shopping malls or public areas.
4. Specially quarantined patients must not leave the ward without the approval of the medical staff during the period of quarantine. Caretakers must not have contact with other patients and their caretakers.

#### Environmental Hygiene

Smoking, alcohol, and betel nuts are prohibited in this Hospital. In certain areas, cell phones are also prohibited. Apart from guide dogs for the blind, pets are not allowed.

#### Property Storage Responsibility

This Hospital is not liable for any loss of or damage to personal property. Do not bring any valuable property to the hospital, and please take proper care of your own belongings. If any loss of personal property takes place, we will help you search for the property or accompany you to the district police station to report the case if necessary.

#### Photography, Filming, or Recording

In order to maintain medical operations and a quiet ward environment, and also protect the privacy of patients and staff, do not conduct interviews, take photographs, film, or record sounds.

#### Hospital Safety

1. This Hospital's access control period is between 9:30 p.m. to 7:00 a.m. (the next day). During the period, only those who hold a permit to accompany patients during their hospital stay are allowed. Those without permits must leave before 9:30 p.m. to maintain a quiet ward environment and public safety.
2. Dangerous goods or objects prohibited by law must not be brought to this Hospital. In case of any violation, we will terminate the treatment and discharge the patient, or report the case to the police. If you find any violent behavior or suspicious people in this Hospital, please call security.



## 院長的話

2018年6月12日是成大醫院30歲的生日，回顧這半甲子，在歷任院長和現任院長室團隊暨全院同仁努力下，完成許多重要的任務並獲致重大成就，成為南台灣「急重難罕」的醫療重鎮及教學、研究、服務並重的醫學中心。「以病人為中心」一直是成大醫院的服務理念，從「愛」出發，在治療「疾病」的同時，也應考量到「病人」的內心需求，對病人及其家屬更為溫暖與友善；成大醫院將持續秉持這個理念，融入醫療照護服務，提升醫療照顧的品質。

員工是本院最重要的資產，如何改善醫療工作環境並留住好的人才，才是提高醫療照護品質的關鍵。本院投入各項資源打造優質的醫療工作環境，讓醫事人員受到較好的照顧，更能心無旁騖關懷病患，提升醫療品質及維持良好的醫病關係。以護理師為例，本院針對護理人員人力依評鑑最高標準核給，招聘人員時同時補齊並儲備適度的人力，讓護理人力保持充足。在2018年11月的全民健保特約醫院護病比中，本院全日平均護病比為6.7，居醫學中心之首。

2018年在醫療服務方面，本院獲行政院通過「老人醫院暨高齡醫藥智慧照護發展教育中心計畫書」，將打造全國第一所老人智慧醫院；本院也通過「健康醫院」及「腎臟病照護品質」的認證；本院與衛生福利部國民健康署共同經營的南區母乳總庫揭牌，是台灣第2座母乳總庫；本院也獲衛生福利部指定為南區兒少保護醫療區域整合中心，配合「強化社會安全網」政策，負責提升雲嘉南地區兒少保護業務；另與衛生福利部胸腔病院開辦合作病房，以協助紓解急診病人及候床的壓力，同時使病人的醫療得以延續並提升整體醫療服務品質。

臨床教學訓練方面，本院於2018年提供了428位包括PGY醫師與國內外實習醫學生的全年及短期受訓，另外訓練3,209位的其他醫事職類人員，其中也有不少來自國外的實習學生。

本院2018年的研究計畫總件數高達460件，院內計畫投入經費比2017年增加18.5%；院外計畫包括衛生福利部、科技部及國衛院共3億多元的研究計畫經費，相較2017年增加2千多萬元。此外，臨床試驗計畫中約84%為多國多中心的計畫，早期臨床試驗比例也持續增加，臨床試驗總件數亦較2017年成長87件。在創新研發方面，包括「發展介入性治療術—複合醫材及其實施醫療技術」、「以音頻技術偵測動靜脈瘻管功能失效之整合式動靜脈瘻管穿戴裝置」、「創新性介入性手術—腸安膠與大員微球之臨床應用」、「可攜式智慧膀胱灌注裝置」等4項，獲得第15屆「國家新創獎-學研新創獎」的榮譽。心臟血管科的「人類胚胎幹細胞於缺血性心臟病治療之研究」，榮獲科技部「未來科技突破獎」。

國際合作交流方面，2018年本院新承辦衛生福利部「一國一中心」之印度計畫，積極拓展與印度的醫衛合作及交流，包括與印度健康促進與建設團隊基金會(CHD)及健康照護之聲(VOH)簽署合作備忘錄，也邀請印度官員、專家學者及醫師訪台交流。另外，透過產、官、學共同合作，鏈結台灣醫衛產業以開拓印度醫療市場，並將規劃在該國建置台灣示範病房，帶動台灣本土品牌走向國際化。

未來也將持續秉持本院的核心價值：生命、愛心、卓越、創新，以尊重生命、發揮愛心的態度與專業，持續追求卓越與創新，以發揮成大醫院作為公共財之價值。

院長 楊俊佑



# GREETINGS

June 12, 2018 will mark the 30<sup>th</sup> anniversary of National Cheng Kung University Hospital (NCKUH). Looking back over the last 3 decades, thanks to the joint effort made by the former superintendents, the colleagues of the current Superintendent Office, and all the hospital staff, we have accomplished a great many important tasks, earned major achievements, and become a pivotal medical institution for treating “acute, critical, and rare illnesses” in Southern Taiwan, as a medical center that simultaneously focuses on teaching, research, and service. “Patient-centered Care” has always been the Hospital’s philosophy of service. While we treat “illness,” we should begin with “love,” consider the emotional needs of the patients and be warmer and friendlier towards the patients and their families. The Hospital will continue to uphold this philosophy and incorporate it into our medical care services to enhance the quality of medical care.

The employees are the Hospital’s most valuable asset. Only by improving the work environments in hospitals and retaining talents can the quality of medical care be enhanced. We have invested various resources into building an excellent medical care environment, providing the medical staff with better working conditions to attend to patients with wholehearted dedication. This endeavor enhances the quality of our medical care and helps maintain good doctor-patient relationships. In regard to nurses, the salaries of the Hospital’s nursing staff are based on the highest possible standards according to the performance evaluation. Also, during employee recruitment, we fill the staffing gaps and keep a fair number of trainees to maintain a sufficient number of nurses. In November 2018, among all the nurse-patient ratios of the hospitals contracted by the National Health Insurance, our average daily ratio was 6.7, ranking first among all medical centers.

With respect to medical care services, in 2018 the Hospital’s “Proposal on the Hospital for the Elderly: The Smart Medical Care Development Educational Center for the Elderly” passed the review of the Executive Yuan, which will build the first smart hospital for the elderly in Taiwan. We also obtained the certification in “Health Promoting Hospital” and “Chronic Kidney Disease Care.” Meanwhile, Taiwan Southern Human Milk Bank co-managed by NCKUH and Health Promotion Administration, Ministry of Health and Welfare (MOHW) was unveiled, which is the second human milk bank in Taiwan. Furthermore, the Hospital was appointed by the MOHW as the Regional Integrated Child Protection Center in Southern Taiwan, adhering to its policy of “Strengthening the Social Safety Net” and being responsible for improving the child protection services in Yunlin, Chiayi and Tainan. Last but not the least, Chest Hospital, MOHW offered wards to NCKUH, helping relieve high ER demand, shortening the waiting time of getting a patient bed, allowing uninterrupted medical care and enhancing the overall quality of medical care services.

In terms of clinical teaching and training, we provided year-round and short-term trainings for 428 trainees, including PGY doctors and interns from Taiwan and other countries in 2018. We also trained 3,209 medical personnel, many of which were student interns from abroad.

The number of the Hospital’s research projects in 2018 reached 460, and the amount invested in the Hospital’s projects increased by 18.5% compared to 2017. In the meantime, the external projects funded by MOHW, Ministry of Science and Technology (MOST), and National Health Research Institutes amounted to over 300 million, having increased by more than 20 million compared to 2017. In addition, nearly 84% of our clinical trials were multicenter and multinational projects. The percentage of early phase clinical trials continued to increase as well. The total number of clinical trials in 2018 was 87 more than that in 2017. In terms of innovative R&D, the Hospital’s four projects: “The Development of Emerging Interventional Therapeutics: Combinational Device and Implementation of Medical Technology”, “Using Medical-Device Wearable to Improve Hemodialysis Patients’ Lives and Access the Holistic Health”, “An Innovative Technique in Minimally Invasive Surgery: The Clinical Application of EndoGel and T-ACE Beads,” and “A Portable Intelligent Bladder Irrigation Device,” won Academic Research Innovation Award in the 15th “National Innovation Award.” Lastly, the “Study on Human Embryonic Stem Cell-Derived Cardiomyocytes Restore Function in Infarcted Hearts of Non-Human Primates” implemented by the Division of Cardiology won the “FutureTech Breakthrough Award” by the MOST.

In regard to international collaboration and communication, the Hospital was entrusted by the MOHW to run the “One Country, One Center” project in India in 2018, actively expanding our collaboration in medicine and health care with India. We signed a MOU with the CHD Group and Voice of Health Care (VOH) in India and also invited Indian government officials, experts and scholars, and doctors to Taiwan for idea exchange and communication. Furthermore, through industry-university-government collaboration, we strove to connect the medicine and health care industries in Taiwan with India’s medical care market. We have also planned to establish Taiwan’s demonstration hospital wards in India in an effort to promote Taiwan’s local brands to the world.

In the future, we will continue to uphold the Hospital’s core values: life, love, excellence, and innovation. With our respect for life, compassion, and professionalism, we will keep seeking excellence and creativity to fulfill NCKU Hospital’s role as a public supporter.

**Superintendent**  
**Chyun-Yu Yang**

## 沿革 HISTORY

時間	Date	時事紀要	Event
1981	7月3日 3rd July	奉行政院核准設立醫學院	The Executive Yuan approved the establishment of the School of Medicine.
1985	2月15日 15th February	本校醫學中心(醫學院及教學醫院)動土奠基典禮在建國校區舉行	The groundbreaking ceremony for the Medical Center of the School of Medicine and Teaching Hospital was held at the Chien-Kuo campus.
	2月25日 25th February	建築工程動土典禮	The groundbreaking ceremony for construction
1988	6月12日 12th June	本院啟用典禮	Opening ceremony of this Center
1990	8月 August	行政院衛生署醫院暨教學醫院評鑑為「準醫學中心」	Rated as "Would-be Medical Center" for the accreditation of medical centers and teaching hospitals by the Department of Health, Executive Yuan
1993	5月11日 11th May	本院經衛生署、教育部會同辦理81學年度教學醫院評鑑結果為教學醫院	The Department of Health and Ministry of Education's 1992 teaching hospital accreditation rated this Center as a Teaching Hospital.
	5月20日 20th May	醫護大樓動土興建	Construction of the dormitory building began.
	7月1日 1st July	本院第一次經衛生署評定為醫學中心	This Center was rated as a Medical Center by the Department of Health for the first time.
1994	4月28日 28th April	本院新成立「器官移植醫療小組」完成首例捐腎移植手術	This Center established the organ transplant medical team; completed the first donated kidney transplant surgery.
	8月3日 3rd August	本院成立臨床病毒實驗室發展為南台灣瀟濕性病毒檢驗及研究中心	The Center established the clinical virus lab and became the virus testing and research center for South Taiwan.
1998	1月1日 1st January	衛生署核准本院擴增364床，第1階段先擴設170床	Department of Health approved the 364 bed expansion of this Center. 170 beds were added in the first stage.
	2月10日 10th February	本院與省立台南醫院建立跨世紀醫療合作	This Center and the provincial Tainan hospital established a cross century medical partnership.
	6月12日 12th June	本院緣恩安寧病房啟用(南部第1家)	The Yuan-En hospice ward was opened (first in the south).
1999	6月2日 2nd June	六二火災本院展現高度復原執行力於8日內恢復全面醫療服務	This Center showed expert recovery abilities by resuming full medical care within 8 days after the 6/2 fires.
	9月23日 23rd September	本院參與921的賑災活動認養南投縣漁池鄉災區，全力進行醫療救援	This Center participated in rescue efforts after the 9/21 earthquake. The Center adopted the Yuchi Township area of Nantou county; provided medical assistance.
	9月23日 23rd September	本院由黃朝慶暨劉清泉教授以腸病毒71型感染之醫學研究為本院第1篇榮登於新英格蘭醫學雜誌	Research on Enterovirus 71 infection by Professor Huang Chaoching and Professor Liu Chingchuan of this Center was successfully published in the New England Journal of Medicine.
	11月3日 3rd November	本院引進全國第一具聲控內視鏡手術機器人「伊索」進行外科手術	This Center introduced the first voice controlled endoscopy robot "AESOP" in the country for surgeries.
2001	3月6日 6th March	本院完成首例肝臟移植	The Center successfully performed the first liver transplant.
	6月12日 12th June	本院完成首例肺臟移植	The Center successfully performed the first lung transplant.
2003	3月 March	SARS風暴本院醫療團隊築構強力防火牆，守住台南地區疫區不受淪陷	During the SARS outbreak, the medical team constructed powerful firewalls to protect the Tainan area from the epidemic.
	9月10日 10th September	本院遺傳中心揭幕	This Center's Genetic Center was unveiled.
	9月19日 19th September	中草藥臨床試驗中心成立	The Chinese herbal medicine clinical testing center was established.
2004	12月 December	本院新生兒加護病房「營造優質環境-早產兒發展性照護」榮獲國家生技醫療品質獎競賽金獎	The Neonatal Intensive Care Unit (NICU) won a gold award in the National Biotech Medical Quality Competition for "creating an excellent environment for premature baby development care"
2005	2月15日 15th February	本院腫瘤中心揭幕	The Cancer Center was unveiled.
	3月30日 30th March	本院正子造影中心揭幕	The PET Center was unveiled.
	7月1日 1st July	斗六分院開幕	The Douliu branch opened.
	12月14日 14th December	本院完成第1例心臟移植手術	This Center successfully performed the first heart transplant.
	12月 December	本院安寧療護團隊「全人照顧的安寧療護」榮獲國家生技醫療品質獎競賽銀獎	The hospice medical team was awarded silver in the National Biotech Medical Quality Competition for "all around hospice care".
2006	12月 December	本院護理部/腫瘤中心「護理角色的拓展-腫瘤個案管理師」榮獲國家生技醫療品質獎競賽銅獎	The Nursing Department/Cancer Center was awarded bronze in the National Biotech Medical Quality Competition for "Expansion of nursing roles - Tumor case manager".
2007	1月26日 26th January	本院門診大樓動土典禮	Groundbreaking ceremony for the outpatient clinic building
	4月11日 11th April	國家衛生研究院與成大簽定合約推動南部癌症中心	The National Health Research Institute and National Cheng Kung University signed contracts to promote the south Cancer Center.



# 沿革 HISTORY

時間	Date	時事紀要	Event
2007	11月9日 9th November	正式通過財團法人全國認證基金會(TAF)ISO15189醫學實驗室認證	Officially certified by the Taiwan Accreditation Foundation (TAF) for ISO15189 Medical Laboratory Accreditation
	12月20日 22nd December	本院護理部「用心服務、全面落實 - 優質的出院準備服務」榮獲國家生技醫療品質獎競賽銅獎	The Nursing Department was awarded bronze in the National Biotech Medical Quality Competition for "Serve Heartedly, Act Totally - Building an Excellent Discharge Planning Service".
2008	3月13日 13th March	本院國家品質獎頒獎 ( 榮獲行政院第18屆國家品質獎 )	The Center was given the National Quality Award (awarded the 18th annual National Quality Award by the Executive Yuan).
2009	12月22日 22nd December	本院外科部整形外科「優質的斷指再接植團隊」榮獲國家生技醫療品質獎競賽銅獎	The Division of Plastic Surgery was awarded bronze in the National Biotech Medical Quality Competition for "Excellent Digital Replantation Team".
2010	6月12日 12th June	馬英九總統蒞臨參加本院22週年院慶暨門診大樓啟用典禮	President Ma, Ying-Jeou attended the 22nd anniversary celebrations and opening ceremony of the out-patient clinic building.
	7月14日 14th July	衛生署 ( 今衛生福利部 ) 98年度推動醫院緊急醫療能力分級, 本院獲評定為重度級	The Department of Health (now the Ministry of Health and Welfare) promoted the ranking of hospitals' ability in relation to medical emergency in 2009. This Center received a high rating.
	12月 December	本院小兒科「卓越腸病毒團隊: 從病毒確認到臨床診治與社會分享」榮獲國家生技醫療品質獎競賽銅獎	The Pediatrics team was awarded bronze in the National Biotech Medical Quality Competition for "Excellent Enterovirus team: From virus confirmation to clinical diagnosis and social sharing".
2011	2月16日 16th February	成立台灣第一個國家級的失智症中心	Establishment of the first national level Alzheimer's Dementia Research Center in Taiwan.
	6月22日 22nd June	獲頒第三屆「政府服務品質獎」(第一線服務機關)	Awarded for the third Government Service Quality Award (First line service organizations)
	12月8日 8th December	與國家衛生研究院癌症研究所合作之「國立成大醫院及國家衛生研究院-國家癌症中心」揭牌	Partnering with the National Institute of Cancer Research, National Health Research Institutes, the NHRI and NCKU hospital - National Cancer Center was unveiled.
	12月 December	本院護理部「愛之生 伴我醫程 成大協力愛滋夢幻團隊」榮獲國家生技醫療品質獎競賽銀獎	The nursing department was awarded silver in the National Biotech Medical Quality Competition for "Love for life, with me during my treatment. National Cheng Kung University assisted the AIDS dream team".
2012	4月 April	整合心臟內科、心臟外科、小兒心臟科、放射科及復健科, 成立心血管整合照護病房	Combined Cardiology, Cardiovascular Surgery, Pediatric Cardiology, Department of Diagnostic and Rehabilitation Medicine to form the cardiovascular integrated care unit
	12月 December	本院護理部「營造全方位醫療照護倫理新典範」榮獲國家生技醫療品質獎競賽銅獎	The nursing department was awarded bronze in the National Biotech Medical Quality Competition for "Creating new examples of all around medical care ethics".
2013	2月7日 7th February	兒童重症加護病房重新整建揭幕	The pediatric intensive care units were unveiled after renovation.
	12月 December	引進最先進的血管攝影機, 設立多功能整合型手術室, 亞洲最新式, 領先日本	Introduction of advanced vascular cameras. Multipurpose integrated operating rooms were constructed, the newest in Asia; even leading Japan.
2014	2月19日 19th February	7C病房命名為耆頤圓病房揭幕(2013年12月完成整建)	Room 7C was renamed as ChiYiYuan room (completed in December, 2013).
	12月1日 1st December	領先國內引進「連續掃描(Flow Motion)」模式的正子電腦斷層掃描儀(PET/CT)	Led the country by introducing Positron Emission Tomography (PET/CT) with "flow motion" module.
2015	6月28日 28th June	動員燒傷團隊於八仙塵爆事件隔日起, 陸續收治5名傷患	Burn units were mobilized the day after the Formosa fire, taking in 5 different patients.
	11月30日 30th November	開辦「第一屆司法醫學課程」, 課程為期1週	Hosted the "First Judicial Medical Course", with a length of one week.
	2月6日 6th February	0206震災, 啟動333緊急動員, 醫護進駐災區現場	0206 earthquake, 333 emergency mobilization was activated, and medical personnel were posted to the disaster zones.
2016	5月13日 13th May	本院榮獲行政院「第八屆政府服務品質獎」	The Center was awarded the "8th Government Service Quality Award" by the Executive Yuan.
	7月18日 18th July	本院與肯亞公立醫院Kenyatta National Hospital共同合作, 完成肯亞全國第一套醫療檢傷系統架設	This Center partnered with the Kenyatta National Hospital to complete the implementation of the first national medical diagnosis system in Kenya.
	12月5日 5th December	本院「特殊需求者牙科示範中心」正式揭幕	The Special Care Dental Center was unveiled.
	12月 December	完成「Corevalver physician certification」認證, 可以獨立執行Transcatheter Aortic Valve Replacement (TAVR)	Completed "Corevalver physician certification", allowing independent execution of Transcatheter Aortic Valve Replacement (TAVR)
	2月21日 21st February	睡眠醫學中心揭牌 ( 105年7月設立 )	The Sleep Medicine Center was unveiled (established in July, 2016).
2017	12月5日 5th December	成大醫院志工團隊榮獲衛福部全國績優志工團隊獎	The NCKUH volunteer team was granted the "Outstanding Volunteer Group Award" by the Ministry of Health and Welfare.
	4月13日 13th April	行政院通過本院申請之「老人醫院暨高齡醫藥智慧照護發展教育中心計畫書」, 同意以公共建設預算補助15億元	The project of "Geriatric Hospital and Educational Center for Senior Medicine Smart Healthcare Development" was approved by the Executive Yuan, with 1.5 billion dollars subsidized from public construction budget.
2018	4月20日 20th April	本院與衛福部國民健康署共同經營的南區母乳總庫揭牌, 是台灣第2座母乳總庫	Partnering with the Health Promotion Administration, Ministry of Health and Welfare, Taiwan Southern Human Milk Bank was unveiled. It was the second Human Milk Bank in Taiwan.



## 亮點 FEATURED STORIES

### 發展介入性治療術：複合醫材及其實施醫療技術

#### Development of emerging interventional therapeutics: combinational device and implementation of medical technology

本院林錫璋教授、陳炯瑜教授、康瑞文醫師、劉益勝醫師與食品所林志強副研究員等人組成之團隊，以「發展介入性治療術：複合醫材及其實施醫療技術」及「創新性介入性手術—腸安膠與大員微球之臨床應用」，榮獲第十五屆國家新創獎學研新創獎及臨床新創獎兩個獎項的榮譽。

結合藥物控制釋放的理念於介入性醫療技術以執行疾病治療，是世界的趨勢。藥物控制釋放技術，可讓藥物的動力學變得更安全有效。介入性醫學是利用複合醫材把藥直接帶到病灶，以有更好的治療效果，且更少的全身性副作用。本團隊研發3項產品：大員微球(T-ACE Beads)，為血管栓塞用微球，已應用在肝癌栓塞及前列腺動脈栓塞之人體臨床試驗，未來可利用此技術發展放射微球，提供同位素的體內放射栓塞治療。腸安膠(EndoGel)主要應用於早期胃腸道腫瘤、瘻肉切除，目前已完成人體臨床試驗。大員油(T-ACE Oil)，為一注射用油，可提供X光對比劑使用，未來可提供內視鏡術醫師或治療性放射科醫師臨床使用。

The NCKUH team led by Professor Xi-Zang Lin, Director Chung-Yu Chen, Dr. Jui-Wen Kang, Dr. Yi-Sheng Liu and Researcher Chih-Chiang Lin of Food Industry Research and Development Institute (FIRDI) was awarded the 15th National Innovation Award in both the Academic Research and Clinical Technology Categories for “development of emerging interventional therapeutics: combinational device and implementation of medical technology” and “an innovative technique in minimally invasive surgery: the clinical application of EndoGel and T-ACE Beads,” respectively.

Interventional therapeutics (IT) has become a global trend in medical technology. With the concept of drug delivery integrated in IT, it provides a more effective and less invasive treatment to patients and thus improves the safety and efficacy of medical therapy. Professor Lin's research team develops three IT devices, which are T-ACE Beads, EndoGel and T-ACE Oil. T-ACE Beads is a microsphere used for embolization. It is in the clinical trials of liver cancer and prostatic artery embolization. They will further develop radioactive microspheres to provide internal radioembolization with isotopes. EndoGel is a solution for submucosal injection. It can be used to lift gastric lesions when being injected into the submucosal areas during ESD or EMR. The trial has been done successfully. T-ACE Oil is an injectable oil used as a radiocontrast. They expect that the oil can be used by endoscopists and radiologists. Prof. Lin's team will constantly contribute to the technology implementation and service innovation in interventional therapeutics.



林錫璋教授（左3）、劉益勝醫師（右3）、康瑞文醫師（右2）接受第十五屆國家新創獎頒獎

Professor Xi-Zhang Lin (the 3rd from left), Dr. Yi-Sheng Liu (the 3rd from right) and Dr. Jui-Wen Kang (the 2nd from right) received the 15th National Innovation Award in the category of Academic Research for “Development of Emerging Interventional Therapeutics: Combinational Device and Implementation of Medical Technology.”

### 幹細胞再生醫學研究：人類胚胎幹細胞於缺血性心臟病治療之研究

#### Stem cell regeneration research: human embryonic stem cell-derived cardiomyocytes restore function in infarcted hearts of non-human primates

本院心臟血管科主治醫師兼臨床副教授劉嚴文醫師參與美國西雅圖華盛頓大學Professor Charles E. Murry「幹細胞與再生醫學研究中心」團隊，於2018年7月在國際級旗艦期刊Nature Biotechnology（自然 - 生物科技）發表研究論文：利用非人類靈長類動物（獼猴）進行心肌再生研究，證實在發生心肌梗塞的猴子心臟移植「胚胎幹細胞分化的心臟肌肉細胞」，猴子心臟再生出數量可觀的心臟肌肉，修補心肌梗塞部位，大幅減少心肌梗塞的影響，受損的心臟功能獲得有效改善。這項研究也榮獲2018年科技部「未來科技突破獎」。



劉嚴文醫師（右2）及心血管再生醫學實驗室同仁（右1以及左1）接受陳良基部長（左2）頒發2018年科技部未來科技突破獎。

Dr. Yen-Wen Liu (2nd from right) and the cardiovascular regeneration lab colleagues (1st and 4th from the right) received the 2018 Futuretech Breakthrough Award from Minister of Science and Technology Professor Liang-Gee Chen.

Dr. Yen-Wen Liu, the NCKUH attending cardiologist and clinical associate professor of Internal Medicine, joined the “Stem Cell and Regenerative Medicine research team” led by Professor Charles E. Murry at the University of Washington School of Medicine, Seattle, WA, USA and successfully used human embryonic stem cell-derived cardiomyocytes (hESC-CMs) to restore cardiac function in infarcted hearts of non-human primates. Using a non-human primate myocardial infarction model, they proved that hESC-CMs can re-muscularize the infarcted region, reduce scar size and significantly restore the heart function in post-infarct heart failure monkeys. This novel finding has been published in Nature Biotechnology, 2018. Dr. Yen-Wen Liu won the 2018 Futuretech Breakthrough Award, too.

# 組織架構 ORGANIZATIONAL STRUCTURE

院長：楊俊佑

Superintendent : Chyun-Yu Yang

副院長 /  
沈孟儒

Vice Superintendent  
Meng-Ru Shen

副院長 /  
吳俊明

Vice Superintendent  
Jing-Ming Wu

副院長 /  
李政昌

Vice Superintendent  
Jeng-Chang Lee

副院長 /  
張智仁

Vice Superintendent  
Chih-Jen Chang

主任祕書 /  
趙庭興

Chief Secretary  
Ting-Hsing Chao

37個院級委員會

37 hospital committees

29個臨床醫療科部

29 departments of clinical medicine

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、加護醫療、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

Internal Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Urology, Ophthalmology, Otolaryngology, Orthopedics, 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, Intensive Care, Cancer Center, Genetics Center, Center for Infection Control, Clinical Medicine Research Center, Clinical Trial Center

3個醫療  
相關科部

3 departments of allied health

護理、藥劑、營養  
Nursing, Pharmacy, Nutrition

18個  
行政單位

18 administrative units

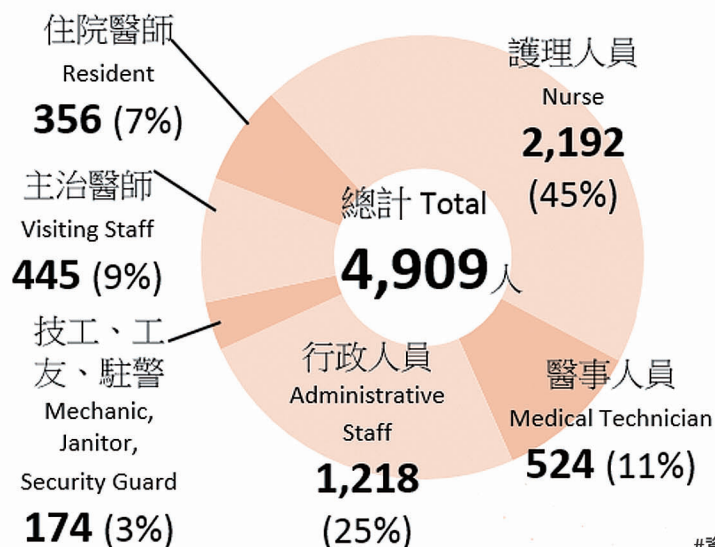
11個任務編組中心

11 task force centers

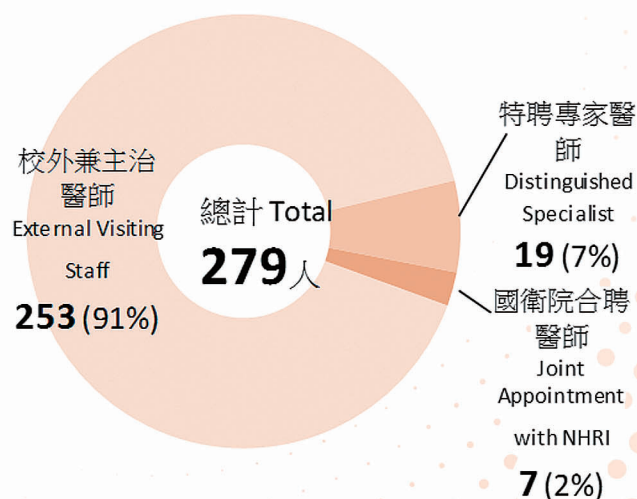
創新醫療科技中心、失智症中心、糖尿病防治中、健康管理中心、國際醫療中心、物理治療中心、睡眠醫學中心、關節重建中心、介入性醫療中心籌備處、中風中心、安寧緩和共同照護中心

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

員工數 Full-time staff



兼任主治醫師 Part-time visiting staff



#資料日期：2018年12月31日

Date: As of December 31, 2018



# 2018統計資料 2018 STATISTICS

## 病床數 Number of beds

一般病床數 General beds		特殊病床 Special beds		占床率 Occupancy Rate	平均住院日數 Average length of stay
急性一般病床 Acute General Beds	急性精神病床 Acute Psychiatric Beds	加護病床 Intensive Care Beds	其他特殊病床 <sup>※</sup> Others		
916	30	126	271	89.84%	7.11日

※ 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。

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 Bed, Surgery Recovery Beds, Subacute Respiratory Care Beds.

## 服務量 Service volume

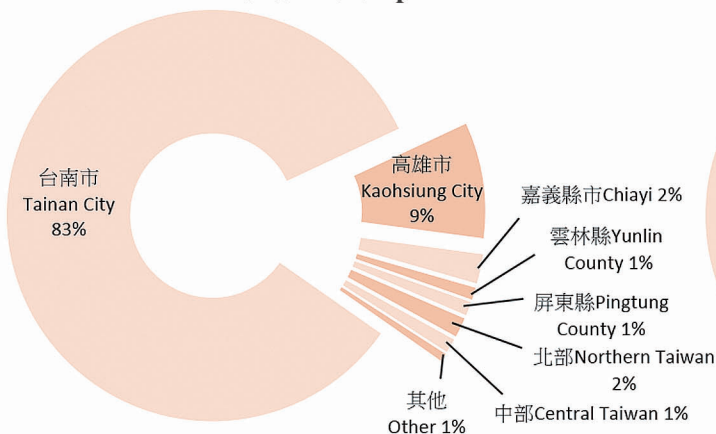
住院 Inpatient			門診 Outpatient		急診 Emergency patient	
住院人次 Number of Inpatients	住院人日 Days of Stay	日平均人次 Average Daily Inpatients	門診人次 Outpatient visits	日平均人次 <sup>※</sup> Average Daily visits	急診人次 Emergency visits	日平均人次 Average Daily visits
55,596	394,793	152	1,535,959	5,851	97,941	268

※ 2018年開診日為262.5日。 / # 依據「衛生福利部年度醫療機構服務量調查表」定義。

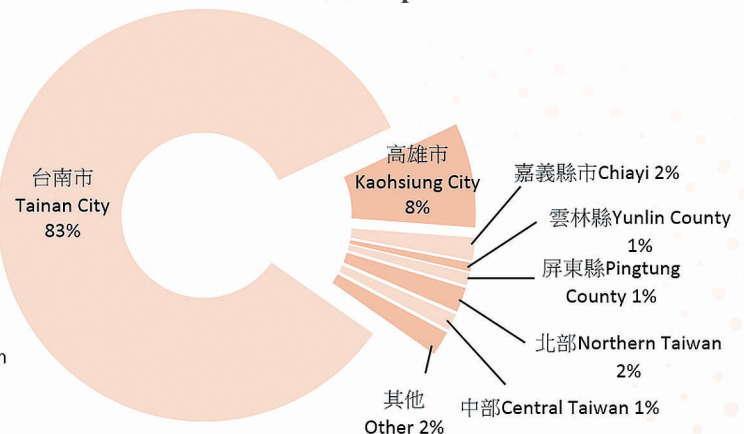
Total opening days in 2018: 262.5 days / Defined by the Ministry of Health and Welfare "Annual Survey of Service Volume in medical institutions"

## 病人來源 Geographic Origins of Patients

### 住院病人 Inpatients



### 門診病人 Outpatients

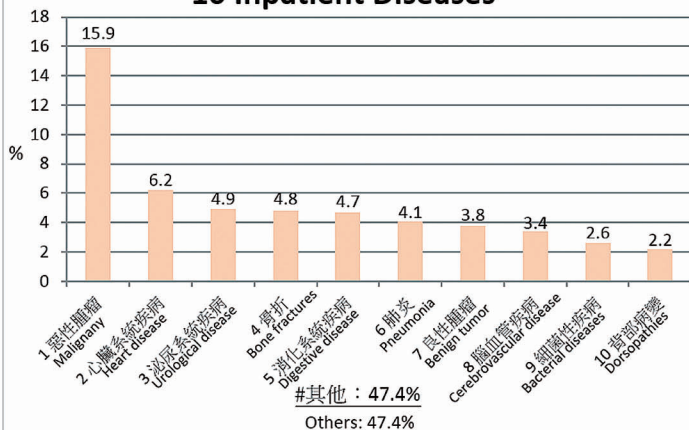


#北部包含台北、新北、基隆、桃園、新竹、苗栗地區；中部包含中彰投地區；其他包含宜花東地區、外島及外籍病患。

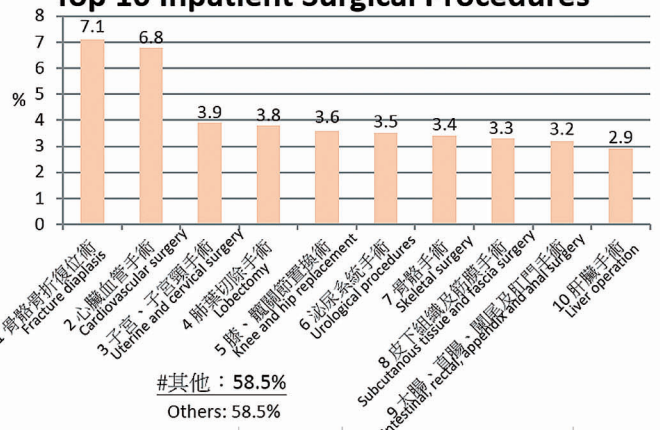
Northern Taiwan includes Taipei, New Taipei, Keelung, Taoyuan, Hsinchu, and Miaoli. Central Taiwan includes Taichung, Changhua, and Nantou. Others include Yilan, Hualien, Taitung, Penghu, Lienchiang, Kinmen, and international patients.

## 十大統計 Top 10 Statistics

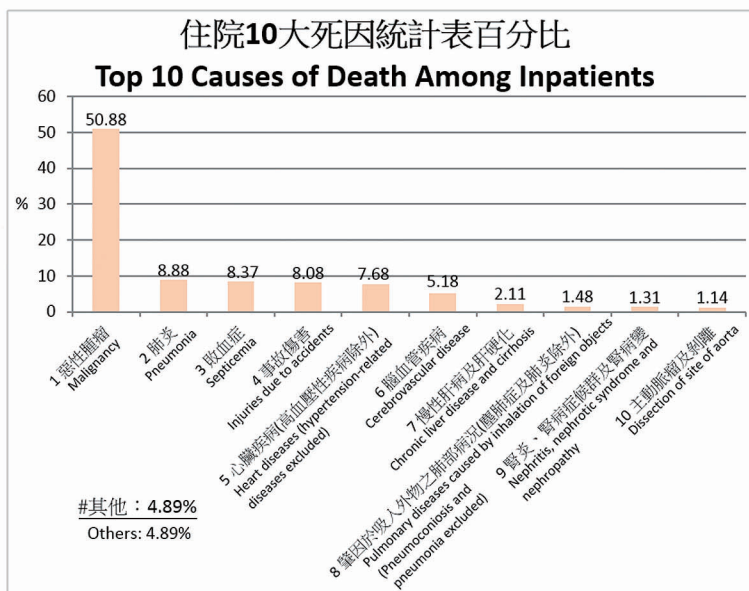
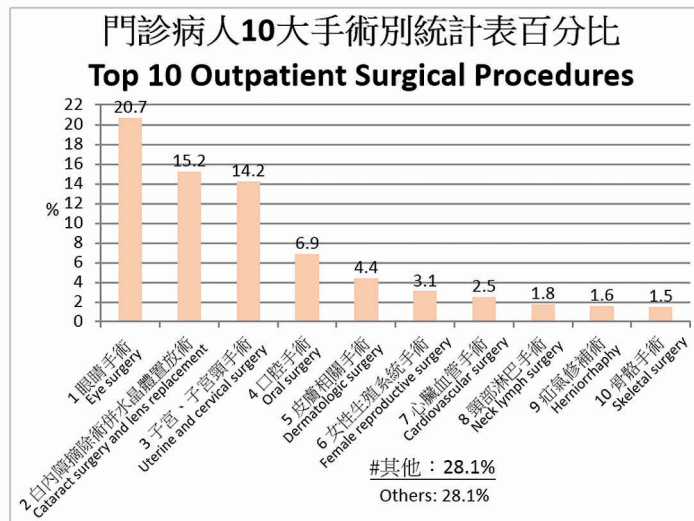
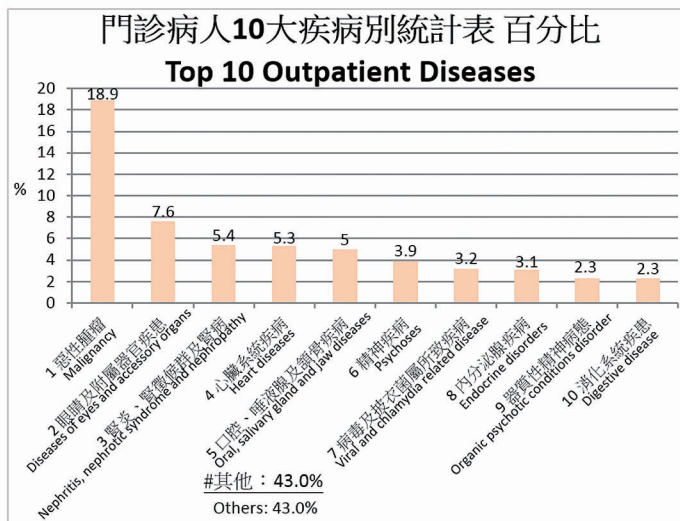
### 住院病人10大疾病別統計表 百分比Top 10 Inpatient Diseases



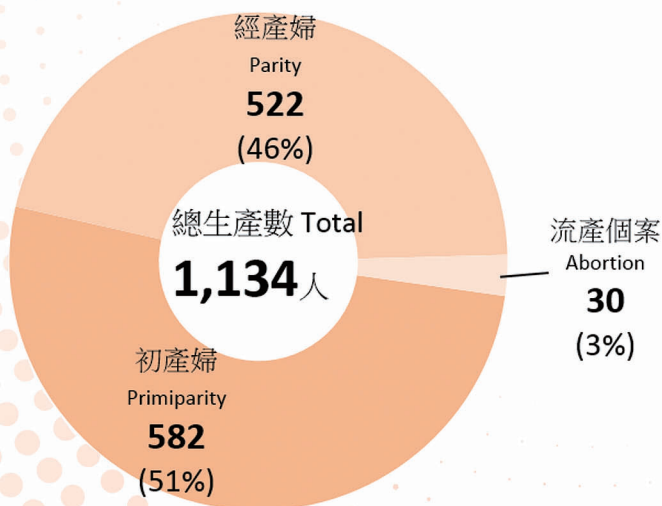
### 住院病人10大手術別統計表 百分比Top 10 Inpatient Surgical Procedures



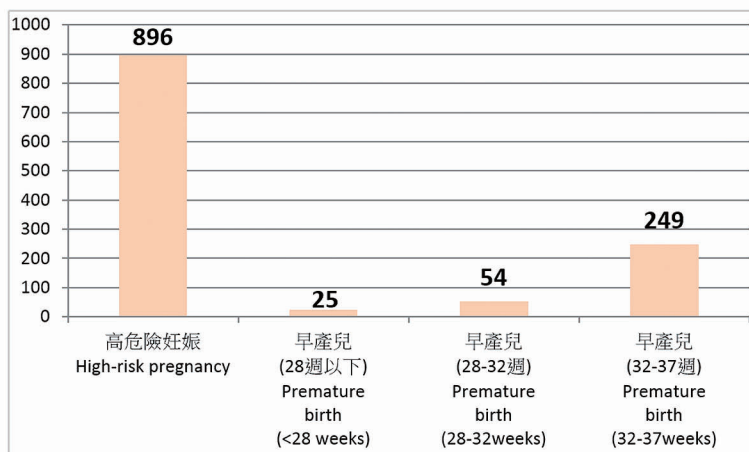
# 2018統計資料 2018 STATISTICS



## 分娩數 Number of deliveries



### 高危險妊娠\* High-risk pregnancy

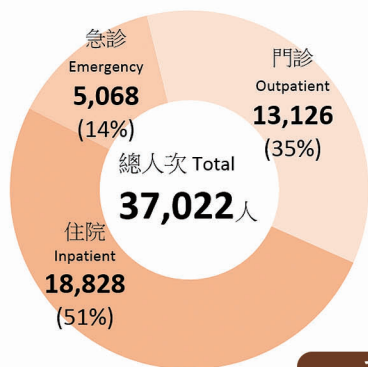


\*高危險妊娠：依「緊急醫療評鑑」定義。  
High-risk pregnancy: defined by "Emergency Medical Services Evaluation"

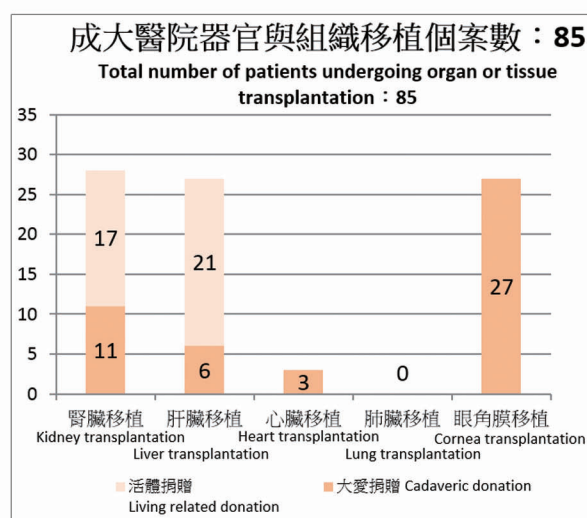
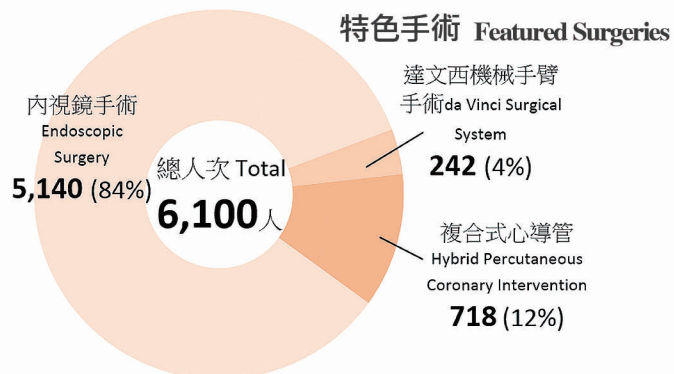


# 2018統計資料 2018 STATISTICS

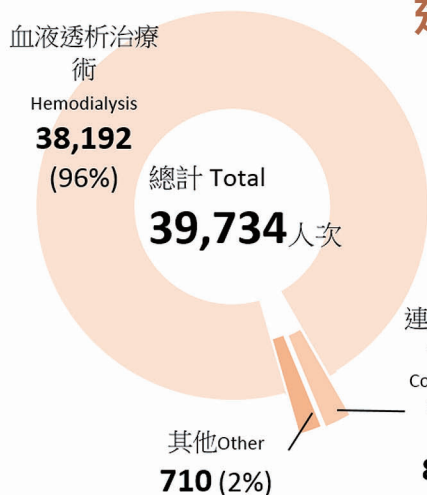
## 手術數 Number of surgical procedures



科別 By Specialty	人次 Number
一般外科 General Surgery	5,817
眼科部 Ophthalmology	5,610
骨科部 Orthopedics	4,641
泌尿部 Urology	3,700
耳鼻喉部 Otolaryngology	3,530
整型外科 Plastic and Reconstructive Surgery	3,354
婦產部 Obstetrics and Gynecology	3,093
胸腔外科 Thoracic Surgery	2,574
心血管外科 Cardiovascular Surgery	2,037
神經外科 Neurosurgery	1,317
口醫部 Stomatology	668
小兒外科 Pediatric Surgery	399
麻醉部 Anesthesiology	126
其他 Other	156
總人次 Total	37,022



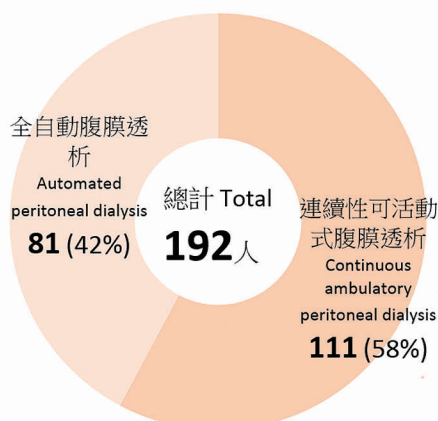
## 透析數 Number of dialysis



### 血液透析室 Hemodialysis (HD)

### 其他治療項目 Other treatments

其他治療項目 Other treatments	人次 Number
雙重過濾血漿分離治療術 Double filtration plasmapheresis	338
血漿置換 Plasma exchange	343
血漿灌洗治療術 Hemoperfusion	9
血液透析過濾治療術 Hemodiafiltration	6
分子吸附再循環系統治療術 Molecular Adsorbent Recirculating System	1
透析導管置入術 Insertion of hemodialysis catheter	13



### 腹膜透析 Peritoneal Dialysis (PD)

# 2018統計資料 2018 STATISTICS

## 放射線治療 Radiotherapies

### 治療項目 Treatment 數目 Number

模型製作 1,997

Mould Manipulation

電腦斷層模擬定位 2,304

CT-simulation

直線加速器 40,014

Linear Accelerator

### 特色治療 Featured treatment 數目 Number

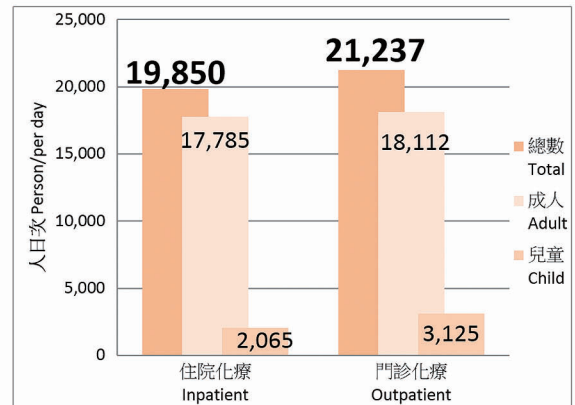
侵入性近接治療 371

Invasive Brachytherapy

蟹足腫特殊治療 3

Keloid Brachytherapy

## 化學治療 Chemotherapies



### 特色檢查 Featured examination 人次 Number

骨髓檢查 1,070

Bone marrow Interpretation

骨髓切片檢查 877

Bone marrow biopsy

骨髓移植 36

Bone marrow transplantation

## 檢驗數 Number of laboratory tests

### 分類 Classification 檢驗項次數 Number

外科病理組織及細胞病理檢驗 86,881

Surgical pathology and Cytopathological Test

臨床病理檢驗\* 5,127,645

Clinical Pathology Tests

癌症及基因分子診斷檢驗 2,358

Cancer and Genetic Diagnostic testing

總項次量 5,216,884

Total

※ 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。

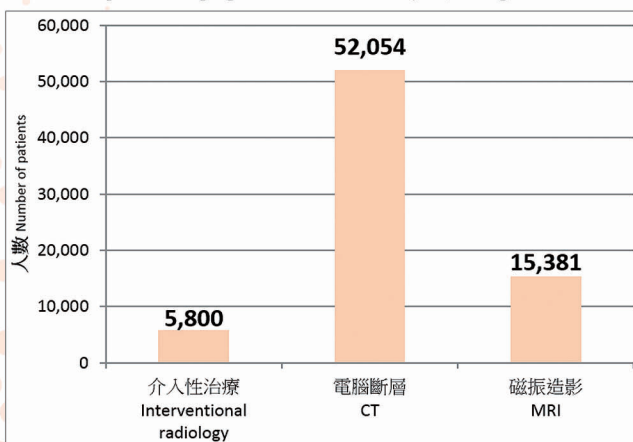
Clinical Pathology Tests include: Biochemistry, Heavy metals testing, Therapeutic drug monitoring, Hematology, Sero-Immunology, Blood bank testing, Virology, Bacteriology, Clinical Microscopy, Histocompatibility antigen and antibody testing

## 檢查數 Number of examinations

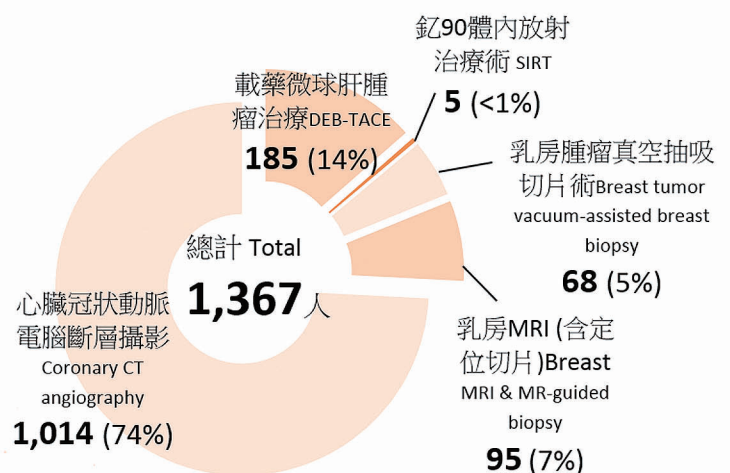
### 放射診斷 Diagnostic Radiology

臨床醫療檢查及治療總人數：506,085人(含特色醫療)

Total number of patients undergoing clinical examinations : 506,085 (including Featured Treatments)

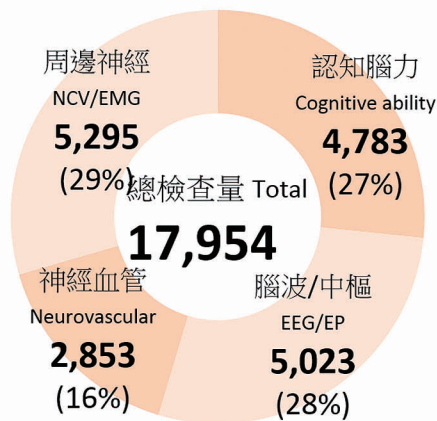


### 特色醫療 Featured Treatments



# 2018統計資料 2018 STATISTICS

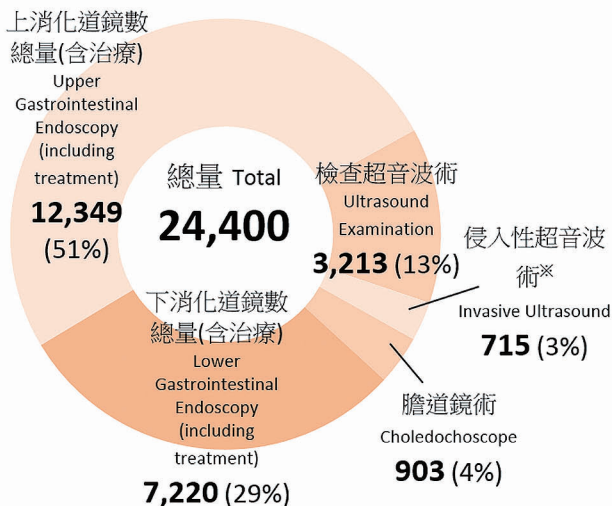
## 神經部 Department of Neurology



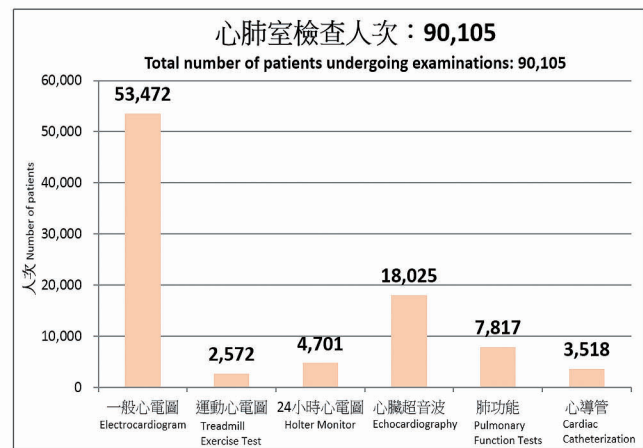
## 核子醫學 Nuclear Medicine

檢查項目 Examination	件數 Number
傳統核子醫學影像檢查 Conventional Nuclear Medicine Imaging	11,925
多巴胺轉運體掃描 Dopamine Transporter Scan	(288)
正子造影掃描 PET	1,196
放射免疫分析檢驗 Radioimmunoassay	174,546
<b>總數 Total</b>	<b>187,667</b>

## 內視鏡室 Endoscopy Room

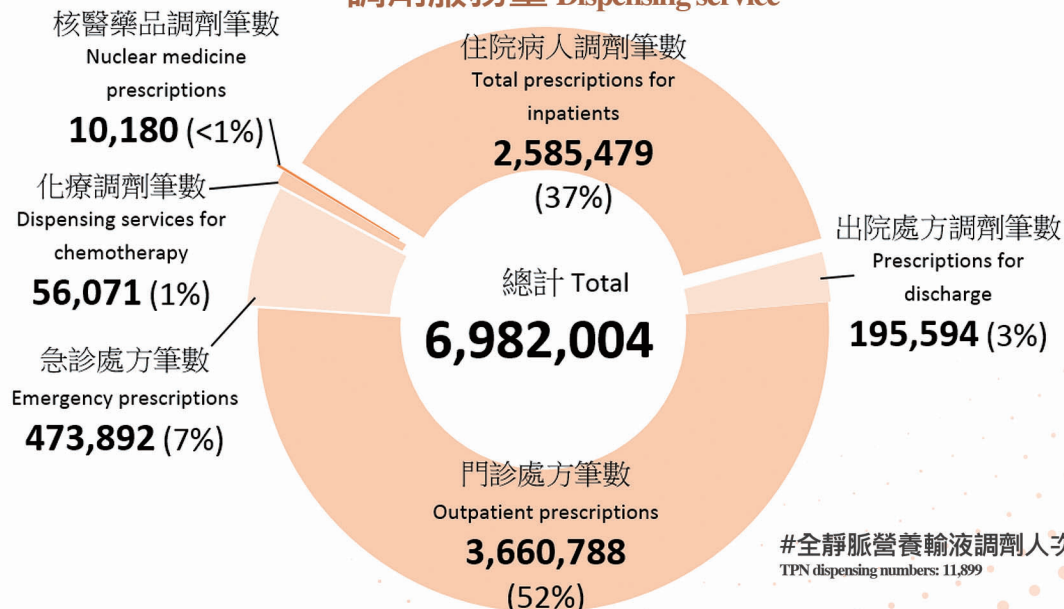


## 心肺室 Cardiopulmonary Room



※含肝腫瘤射頻燒灼術381人。  
Including 381 patients taking Radiofrequency Tumor Ablation treatments.

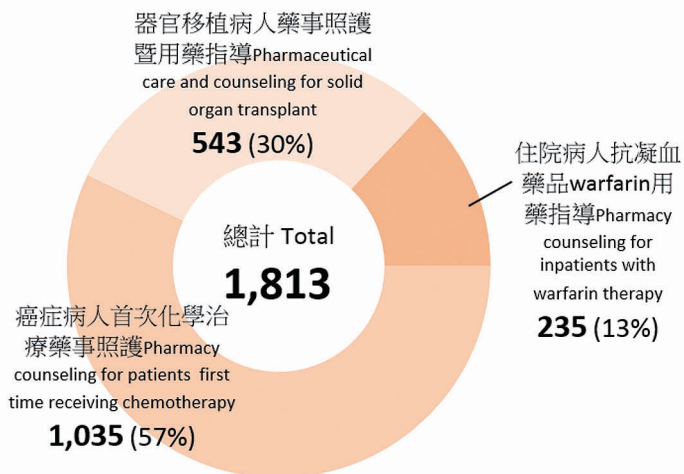
## 調劑服務量 Dispensing service



# 2018統計資料 2018 STATISTICS

## 特定病人藥事照護與用藥指導

Pharmacy counseling and education for specific patients



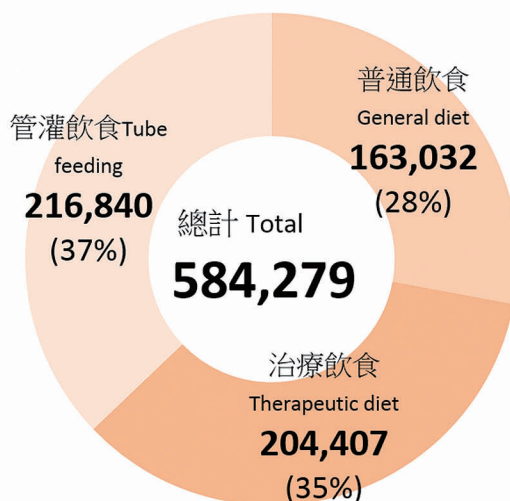
## 臨床藥事服務

Clinical pharmacy service

項目 Item	數目 Number
<b>藥物血中濃度監測服務</b> Therapeutic Drug Monitoring (TDM)	
監測藥物項目 Items	17
監測評估件數 Pharmacist evaluations for TDM	2,957
<b>一般臨床藥事服務</b> Clinical pharmacy service and counseling	5,980
藥品不良反應評估 Adverse drug reactions evaluation	426
臨床試驗藥品管理 Investigational pharmacy management	342

## 營養部供餐數

Department of Nutritional Services and number of meals served

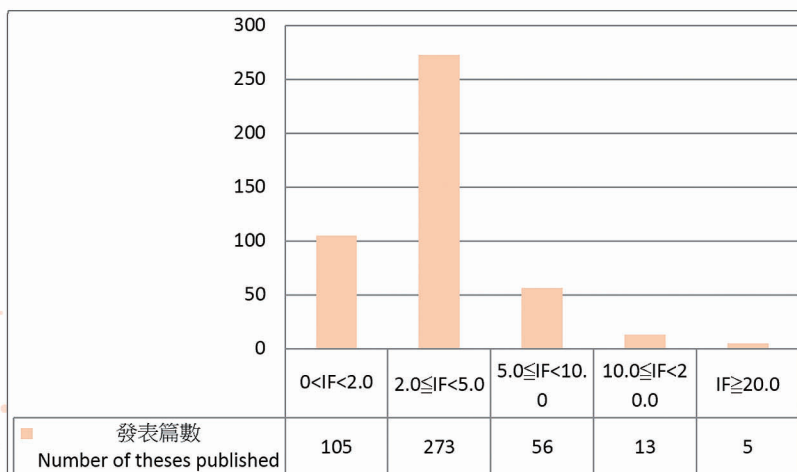


## 研究論文數

Number of SCI theses

全院共發表SCI期刊論文452篇，Impact Factor平均值為3.88。(2019年2月20日截稿前統計)

The NCKU Hospital published a total of 452 SCI theses, with an average impact factor of 3.88. (As of the submission deadline on February 20, 2019)

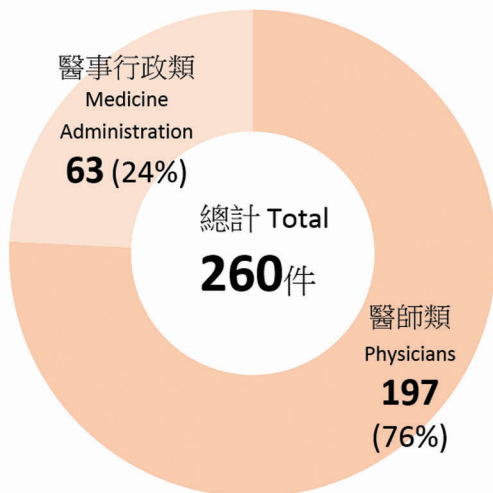


# 2018統計資料 2018 STATISTICS

## 研究計畫數 Number of research programs

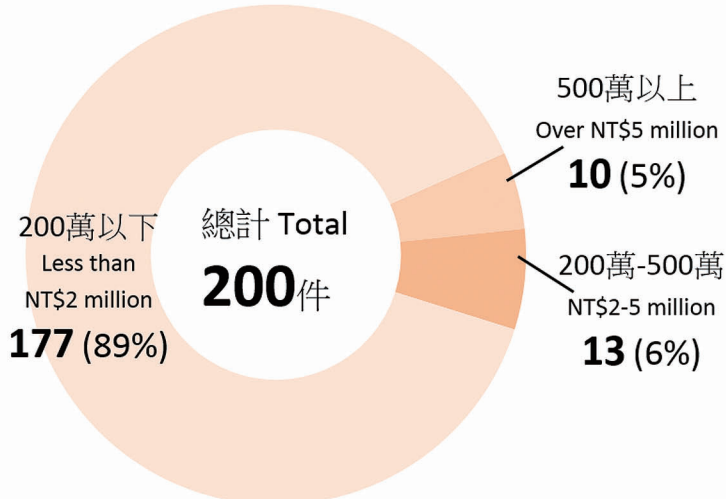
院內計畫 (總核定金額72,900,000元)

Internal funding programs  
(Total amount: NT\$72,900,000)

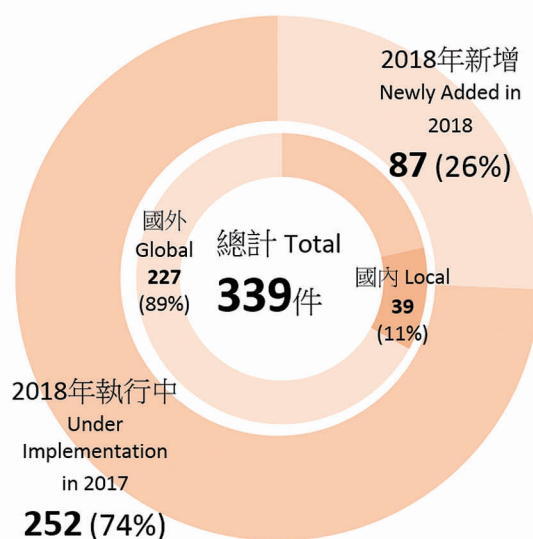


院外計畫 (總核定金額372,311,455元)

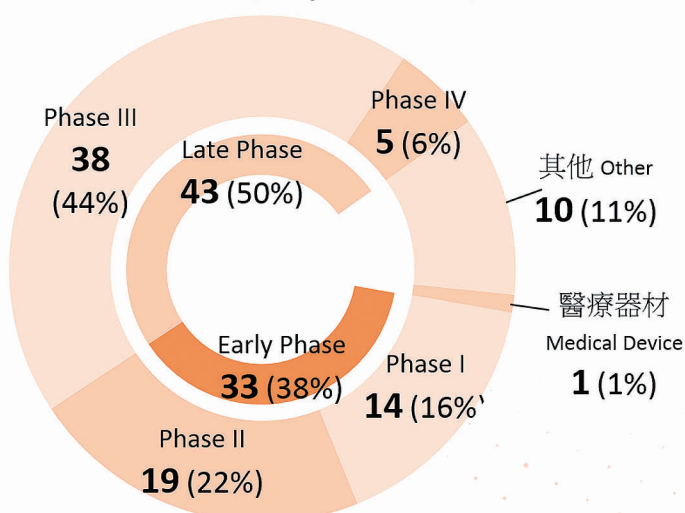
External funding programs  
(Total amount: NT\$372,311,455)



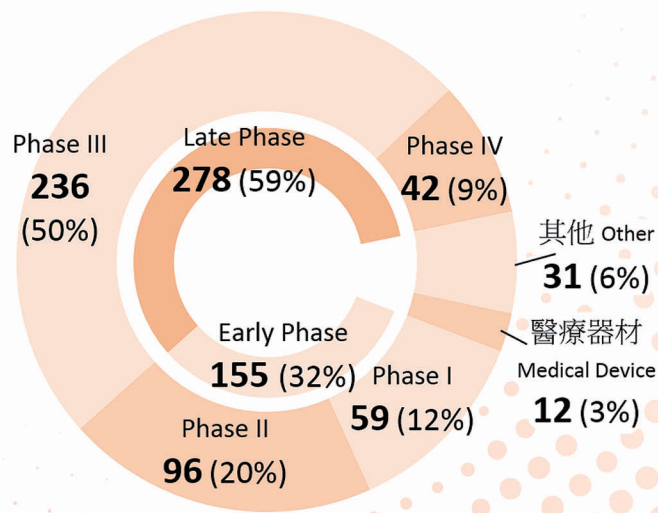
## 臨床試驗數 Number of clinical trials



期別分布 (2018年新增)  
Phases Distribution (Newly added in 2018)



期別分布 (2014-2018年)  
Phases Distribution (2014-2018)



# 2018統計資料 2018 STATISTICS

## 創新研發成果 Achievements of innovative research and development

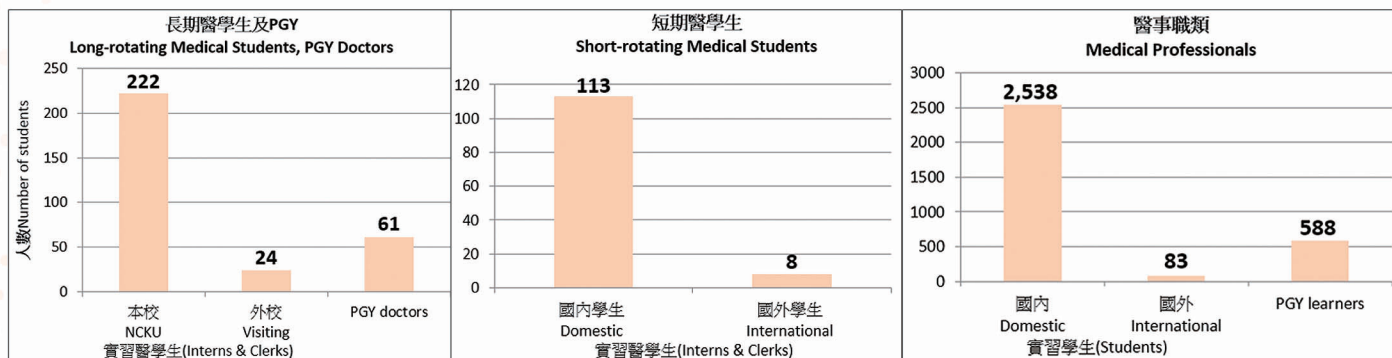
### 國家新創獎獲獎團隊 National Innovation Award

得獎項目 Award	團隊 Team	創新研發計畫或研究主題名稱 Title
第十五屆國家新創獎-學研新創獎 (醫材器材與設備) Certificate of the 15th National Innovation Award- Academic Research Innovation Award (Medical Device and Equipment)	林錫璋、劉信良、蘇俊偉 林志強、劉益勝 Xi-Zhang Lin · Hsin-Liang Liu · Chun-Wei Su Chih-Chiang Lin · Yi-Sheng Liu	發展介入性治療術-複合醫材及其實施醫療技術 Development of Emerging Interventional Therapeutics: Combinational Device and Implementation of Medical Technology
第十五屆國家新創獎-學研新創獎 (智慧醫療與健康科技) Certificate of the 15th National Innovation Award- Academic Research Innovation Award (Smart Healthcare and Health Technology)	甘宗旦、李柏磊、陳維聆 王明誠、陳準、楊令嘉 Chung-Dann Kan · Po-Lei Lee · Wei-Ling Chen Ming-Cheng Wang · Jhun Chen · Ling-Jia Yang	以音頻技術偵測動靜脈瘻管功能失效之整合式 動靜脈瘻管穿戴裝置 Using medical-device wearable to improve hemodialysis patient's live and access the holistic health
第十五屆國家新創獎-學研新創獎 (臨床應用創新) Certificate of the 15th National Innovation Award- Academic Research Innovation Award (Innovation In Clinical Application)	林錫璋、劉信良、陳炯瑜 康瑞文、劉益勝 Xi-Zhang Lin · Hsin-Liang Liu · Chiung-Yu Chen Jui-Wen Kang · Yi-Sheng Liu	創新性介入性手術-腸安膠與大員微球之臨床 應用 An Innovative Technique in Minimally Invasive Surgery: The Clinical Application of EndoGel and T-ACE Beads
	翁振勳、楊文宏、歐建慧、洪銘謙 陳明皇、黃聖洋、劉宏益、黃泓文 方碧芳、張嘉容 Chen-Hsun Weng · Wen-Hong Yang · Chien-Hui Ou Ming-Chien Hung · Ming-Huang Chen · Sheng-Yang Huang Hong-Yi Liu · Hung-Wen Huang · Bi-Fang Fang Chia-Jung Chang	可攜式智慧膀胱灌注裝置 A Portable Intelligent Bladder Irrigation Device

### 專利 Patents

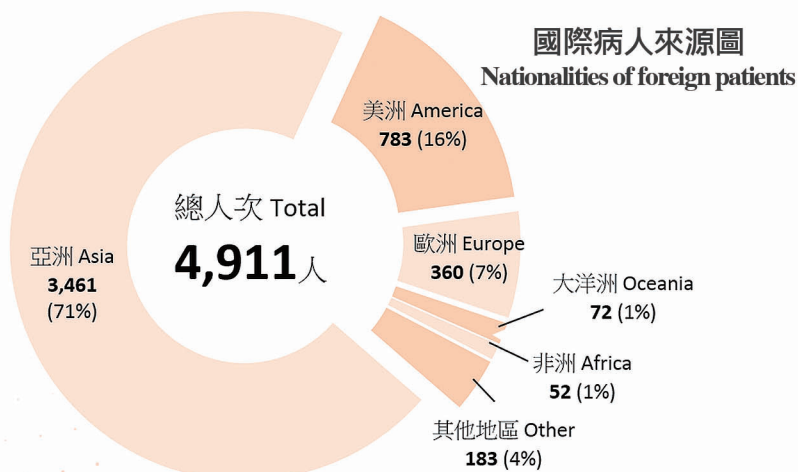
專利別 Types of Patents	專利件數 Patents	技轉件數 Technology Transfer
國內專利 Domestic	12	1
國外專利 Foreign	3	-

### 學生數目 Number of students



### 國際醫療合作 International Medical Collaboration

項目 Item	數目 Number
援外醫療活動次數 Foreign Medical Aid Activities	9次
援外人力 Number of staffs involved	29人
服務人數 Number of patients served	1,633人
援外國家數 Number of countries served	6個



# 2018統計資料 2018 STATISTICS

## 社會責任 Social Responsibilities

藝文及健康促進活動 Artistic and Health Promotion Activities	場次 Events	社區醫療群共同照護網絡 Community Healthcare Group Shared Care Network	場次 Times	人數 Persons
藝文活動 <sup>※</sup> Artistic Events	200	社區團體衛教 Community health education	15	758
健康促進活動(含社區) Health Promotion Activities (including community activities)	811	共同門診 Shared Care Clinic	96	3,023
病友團體 <sup>※※</sup> Patient Groups	54	將軍區玉山里及廣山里巡迴醫療 Mobile health care in Yushan and Guangshan Village, Jianguan District	場次 Times	人數 Persons
供餐服務 Meal Service	人次 Persons	衛教活動 Health education	10	330
獨居老人供餐及送餐活動 Meal delivery service for solitary elders	6,619	門診 Outpatient clinic	50	836

※藝文活動：門診鋼琴演奏、藝文展演、藝術櫥窗。

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

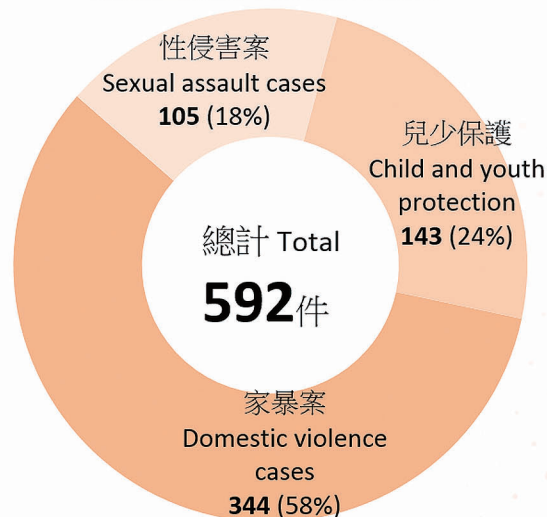
※※病友團體：健康100同學會、居家病友支持團體、母乳支持團體-泉乳俱樂部、BC肝炎病友會、氣喘病友會、飛揚俱樂部、肺高壓病友會、心衰竭病友會、慢性腎臟病病友會、成愛家族、失智症、早產兒病友會等。

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.

## 器官捐贈與安寧緩和照護 Organ donations and Hospice Care

器官捐贈 Organ donations	人數 Persons	場次 Sessions
器官宣導 Propaganda	4,626	46
器官勸募成功案例 Successful case	28	-
器官健保卡註記 National Health Insurance IC card annotation	652	-
安寧緩和照護 Hospice Care	人數 Persons	場次 Sessions
安寧緩和醫療宣導 Propaganda	2,191	7
安寧緩和醫療健保卡註記 National Health Insurance IC card annotation	1,601	-

## 保護性業務 Protective Service



## 營運狀況 Operation Status

收入 Revenue	12,349,792	成本與費用 Cost and expenditure	11,999,719
醫療收入 Medical revenue	11,402,803	醫療成本 Medical cost	9,747,445
臨床教學研究補助收入 Clinical teaching and research grants	243,310	教學成本 Teaching cost	989,635
其他政府補助收入 Other government grants	34,548	研究成本 Research cost	289,473
新藥臨床試驗收入 Revenue from clinical trials of new medicines	94,610	新藥臨床試驗費用 Cost for clinical trials of new medicines	94,610
受託事業收入 <sup>※</sup> Entrusted business income	23,221	受託事業費用 <sup>※※</sup> Entrusted business expenditures	14,454
財務收入 Financial Income	52,685	管理及總務費用 Management and general affairs expenditures	697,125
資產使用及權利金收入 Asset use and royalty income	59,386	財產報廢短絀 Property scrapping deficits	16,026
受贈收入 Income from donations	40,512	其他雜項費用 Miscellaneous expenditures	150,951
其他雜項收入 Miscellaneous income	398,717	<b>本期損益 Current profit and loss</b>	<b>350,073</b>

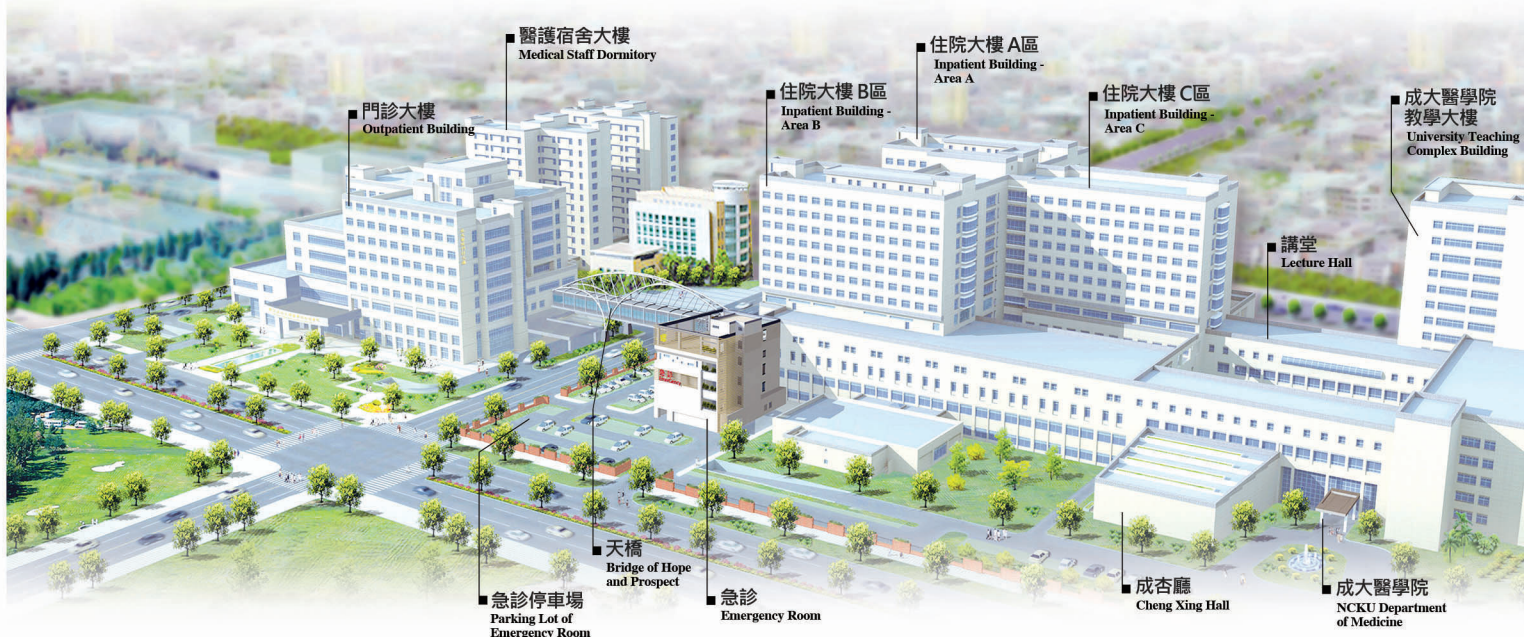
※受託事業收入：醫療合作研究發展收入、代訓醫師收入、學生實習收入、短期訓練班收入、其他雜項業務收入、病歷查詢收入及臨床技能測驗收入等。

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.

※※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。

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.

# 建物配置與樓層介紹 BUILDING LAYOUT & FLOOR MAP



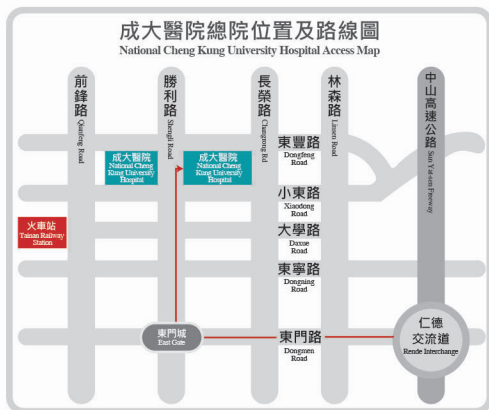
## 門診大樓樓層資訊 OUTPATIENT BUILDING FLOOR PLAN INFORMATION

樓層 Floor	學術、研究單位及實驗室 Academic institute and laboratory		
8	工業衛生學科暨環境醫學研究所   公共衛生學科暨研究所   職業及環境醫學科   生物統計諮詢中心   健康資料加值應用研究中心 DEPT. OF ENVIRONMENTAL OCCUPATIONAL HEALTH   DEPT. OF PUBLIC HEALTH COLLEGE OF MEDICINE   DEPT. OF OCCUPATIONAL AND ENVIRONMENTAL MEDICINE   BIOSTATISTICS CONSULTING CENTER   NCKU RESEARCH CENTER FOR HEALTH DATA		
7	臨床醫學研究中心   臨床醫學研究所   口腔醫學研究所 RESEARCH CENTER OF CLINICAL MEDICINE   GRADUATE INSTITUTE OF CLINICAL MEDICINE   INSTITUTE OF ORAL MEDICINE		
6	分子生物實驗室   光學影像核心實驗室   前瞻醫療器材科技中心   創新醫療科技中心   分子腫瘤生物實驗室   奈米醫學創新研發實驗室   奈米醫學研究中心   藥物研發核心實驗室   骨骼醫材及生物相容性核心實驗室   人體生物資料庫   人體研究倫理審查委員會   受試者保護中心   臨床試驗中心   臨床試驗藥局 MOLECULAR BIOLOGY LABORATORY   OPTIC IMAGE CORE LAB   MEDICAL DEVICE INNOVATION CENTER   INNOVATION CENTER OF MEDICAL DEVICES AND TECHNOLOGY   LABORATORY OF MOLECULAR BIOLOGY   LABORATORY OF MEDICAL INNOVATIONS DE NANO INSPIRATION   NATIONAL CHENG KUNG UNIVERSITY CENTER OF APPLIED NANOMEDICINE (NCKU-CAN)   DRUG DEVELOPMENT CORE LAB   SKELETON MATERIALS AND BIO-COMPATIBILITY CORE LAB   HUMAM BIOBANK   IRB   HUMAN RESEARCH PROTECTION CENTER   CLINICAL TRIAL CENTER   INVESTIGATIONAL PHARMACY		
樓層 Floor	門診 Clinic	相關診療設施 Facility	其他 Other
5	癌症多專科整合性門診   兒童化療門診   癌症臨床實驗區   臨床試驗門診   乳房醫學中心 MULTIDISCIPLINARY CANCER OUTPATIENT SERVICES   PEDIATRIC OUTPATIENT CLINIC   ONCOLOGY CLINICAL TRIAL AREA   CLINICAL TRIAL OPD   BREAST CANCER CENTER	癌症中心   成人化療區   兒童化療區   化療領藥處 CANCER CENTER OFFICE   ADULT CHEMOTHERAPY   CHILDREN CHEMOTHERAPY   PHARMACY	中藥臨床試驗中心   微生物診斷與抗藥性核心實驗室   癌症登記室   癌症資源服務中心   飛揚俱樂部 CLINICAL TRIAL CENTER FOR CHINESE MEDICINE   DIAGNOSTIC MICROBIOLOGY AND ANTIMICROBIAL RESISTANCE LABORATORY   CANCER REGISTRY OFFICE   CANCER RESOURCE SERVICE CENTER   CANCER SUPPORT GROUP
4			院長室   品質中心   秘書室   主計室   護理部   教學中心   遺傳中心   人事室   總務室   勞安室   法制室   電腦中心 SUPERINTENDENT OFFICE   QUALITY CENTER   DEPT. OF SECRETARIAT   DEPT. OF ACCOUNTING   DEPT. OF NURSING   EDUCATION CENTER   GENETIC CENTER   DEPT. OF PERSONNEL   DEPT. OF GENERAL BUSINESS   DEPT. OF LABOR SAFETY AND HEALTH   DEPT. OF LEGAL AFFAIRS   INFORMATION CENTER
3	口腔醫學部   特殊需求者牙科   皮膚科   耳鼻喉科   遺傳中心   成杏門診 STOMATOLOGY   SPECIAL CARE DENTAL CENTER   DERMATOLOGY   OTOLARYNGOLOGY   GENETIC CENTER   CHENGHSING CLINIC	植牙中心   精神科身心障礙鑑定功能評估站(2)   雷射美容中心   物理治療中心多功能訓練室   助聽器選配室   臨時抽血櫃檯 DENTAL IMPLANT CENTER   PSYCHIATRY FUNCTIONAL ASSESSMENT STATION FOR CERTIFICATE OF DISABILITY(2)   COSMETIC LASER TREATMENT CENTER   PHYSICAL THERAPY CENTER MULTIFUNCTION TRAINING ROOM   HEARING AIDS FITTING ROOM   BLOOD COLLECTION COUNTER	門診部   健康教育中心 OUTPATIENT DEPARTMENT   HEALTH EDUCATION CENTER
2	神經科   外科   內科   家庭醫學科   眼科   小兒科   健兒門診   婦產科 NEUROLOGY   SURGERY   INTERNAL MEDICINE   FAMILY MEDICINE   OPHTHALMOLOGY   PEDIATRICS   WELL BABY CLINIC   OBSTETRICS AND GYNECOLOGY	門診健康檢查   門診超音波檢查室   心肺室   視光中心   兒童發展聯合評估中心心理評估室   記憶與認知門診   腦力檢查室 HEALTH EXAMINATION   ULTRASOUND ROOM   CARDIOPULMONARY ROOM   EYE CENTER   PSYCHOLOGICAL TESTING ROOM   CLINIC FOR MEMORY AND COGNITIVE DISORDERS   MENTAL EXAMINATION ROOM	癌症篩檢諮詢服務站   哺乳室   兒童遊戲室   天橋 CANCER SCREENING ADVISORY SERVICE STATION   BREASTFEEDING ROOM   CHILDREN'S PLAYROOM   SKY BRIDGE
1	內科   骨科   職醫科   疼痛科   泌尿科 INTERNAL MEDICINE   ORTHOPEDICS   OCCUPATIONAL MEDICINE   PAIN CLINIC   UROLOGY	服務台   門診掛號批價   藥劑部(藥局)   藥品諮詢   轉介中心   門診治療室   X光室   抽血櫃檯   身心障礙鑑定功能評估站(1) INFORMATION COUNTER   OPD REGISTRATION AND CASHIER   PHARMACY   MEDICATION CONSULTATION   REFERRAL CENTER   OUTPATIENT TREATMENT ROOM   X-RAY ROOM   BLOOD COLLECTION COUNTER   FUNCTIONAL ASSESSMENT STATION FOR CERTIFICATE OF DISABILITY(1)	癌症篩檢諮詢服務站   警衛室   成醫健康市集   診斷證明書用印處   成醫健康市集 CANCER SCREENING ADVISORY SERVICE STATION   SECURITY ROOM   NCKU-MARKET   MEDICAL CERTIFICATE STAMPING COUNTER   NCKU-MARKET
B1	物理治療中心 PHYSICAL THERAPY CENTER		停車場 PARKING LOT
B2 / B3			停車場 PARKING LOT



## 住院大樓樓層資訊 INPATIENT BUILDING FLOOR PLAN INFORMATION

樓層 Floor	病房 Ward	相關診療設施 Facility	其他設施 Other
12	感染科   精神科   急診後送病房 INFECTIOUS DISEASES   PSYCHIATRY   EMERGENCY HOLDING WARD		
11	一般內科   化學治療及風濕免疫科 GENERAL MEDICINE   CHEMOTHERAPY   RHEUMATOLOGY	內科超音波室 INTERNAL MEDICINE ECHO ROOM	健康管理中心   睡眠醫學中心   國際醫療中心 HEALTH MANAGEMENT CENTER   SLEEP MEDICINE CENTER   INTERNATIONAL MEDICAL CENTER
10	新陳代謝及胸腔內科   血液腫瘤科   安寧 METABOLISM • CHEST MEDICINE   HEMATOLOGY AND ONCOLOGY   HOSPICE	神經科前庭功能檢查室 VESTIBULAR AND OCULOMOTOR LAB	
9	腎臟科   心臟血管病房   綜合科 NEPHROLOGY   CARDIOVASCULAR   NON-SPECIFIC	第二血液透析室   神經心理檢查室 SECOND HEMODIALYSIS ROOM   ROOM FOR NEUROPSYCHOLOGICAL TEST	佛堂 BUDDHIST PRAYER ROOM
8	整型外科   一般外科   神經及一般外科 PLASTIC SURGERY   GENERAL SURGERY   NEUROSURGERY	大直外多功能檢查室   直腸肛門造口治療室 MULTIFUNCTIONAL EXAMINATION ROOM FOR COLON & RECTAL SURGERY   STOMA THERAPY ROOM	
7	骨科   泌尿、胸腔、口腔外科   老年、復健科 ORTHOPAEDICS   UROLOGY • THORACIC SURGERY • ORAL SURGERY   GERIATRICS • REHABILITATION		
6	眼科、皮膚科、耳鼻喉科   肝膽胃腸內外科 OPHTHALMOLOGY • DERMATOLOGY • OTOLARYNGOLOGY   GASTROENTEROLOGY • GENERAL SURGERY	內科超音波室   消化器多功能生理檢查室 INTERNAL MEDICINE ECHO ROOM   MULTI-DISCIPLINARY GI PHYSIOLOGY LAB	
5	神經內科   骨科 NEUROLOGY   ORTHOPAEDICS		失智症中心   中風中心 ALZHEIMER'S DISEASE CENTER   STROKE CENTER
樓層 Floor	病房 Ward	相關診療設施 Facility	其他設施 Other
4	婦產科   小兒科   母嬰親善中心   產房   嬰兒室   嬰兒病房   兒童重症照護中心   新生兒加護病房   兒童加護病房 OBSTETRICS AND GYNECOLOGY   PEDIATRICS   BABY FRIENDLY CENTER   DELIVERY ROOM   BABY ROOM   BABY WARD   PEDIATRIC CRITICAL CARE CENTER   NEONATAL INTENSIVE CARE UNIT   PEDIATRIC INTENSIVE CARE UNIT	周產期產檢中心   生殖醫學中心   試管嬰兒諮詢室   婦產科超音波室   小兒腦波室   小兒超音波室 MATERNAL & FETAL MEDICINE CENTER   ASSISTED REPRODUCTIVE TECHNOLOGY CENTER   IVF CONSULTATION ROOM   OBSTETRICS & GYNECOLOGY ULTRASOUND ROOM   PEDIATRIC EEG ROOM   PEDIATRIC ULTRASOUND ROOM	新生兒暨周產期科學研究中心   母乳庫   空中花園 NEONATAL AND PERINATAL RESEARCH CENTER   HUMAN MILK BANK   GARDEN
3	外科加護病房   呼吸加護病房   心臟加護病房 SURGICAL INTENSIVE CARE UNIT   RESPIRATORY INTENSIVE CARE UNIT   CARDIAC CARE UNIT	高壓氧治療中心   骨髓移植中心   燒傷中心   恢復室   手術室   門診手術預約報到處   血液透析室   腹膜透析室   疼痛治療室   手術會談室   腹膜透析門診   疼痛科門診 HYPERBARIC OXYGEN THERAPY CENTER   BONE MARROW TRANSPLANTATION CENTER   BURN CENTER   RECOVERY ROOM   OPERATION ROOM   RESERVATION/RECEPTION AMBULATORY SURGERY   HEMODIALYSIS ROOM   PERITONEAL DIALYSIS ROOM   PAIN SERVICE ROOM   CONSULTATION ROOM   PERITONEAL DIALYSIS CLINIC   PAIN CLINIC	麻醉部   手術室供應中心 DEPT. OF ANESTHESIOLOGY   SUPPLY CENTER FOR OPERATION ROOM
2	內科加護病房   亞急性呼吸照護病房 MEDICAL INTENSIVE CARE UNIT   SUBACUTE RESPIRATORY CARE WARD	血庫   抽血/檢驗   呼吸治療室   支氣管鏡室   肺功能室   復健部治療區   檢體收受中心   兒童發展聯合評估中心 BLOOD BANK   LAB/TEST   RESPIRATORY THERAPY ROOM   BRONCHOSCOPIC ROOM   PULMONARY FUNCTION   PM & R THERAPEUTIC AREA   SPECIMEN RECEIVING CENTER   TEAM EVALUATION OF CENTER CHILDREN'S DEVELOPMENT	病理部   感染管制中心   出院準備服務   移植外科辦公室   外傷科   加護病房醫師辦公室   急診部   會談室   祈禱室   家屬等候區   員工專用哺乳室   天橋 DEPT. OF PATHOLOGY   CENTER FOR INFECTION CONTROL   DISCHARGE PLANNING   ORGAN TRANSPLANT CENTER   DIVISION OF TRAUMA   OFFICE OF INTENSIVE CARE UNIT   DEPT. OF EMERGENCY MEDICINE   CONSULTING ROOM   PRAYER ROOM   WAITING AREA   BREASTFEEDING ROOM   SKY BRIDGE
1	急診室   復健部門診區 EMERGENCY ROOM (ER)   PM & R OPD CLINIC AREA	藥局   急診藥局   復健部治療區   體外電震波碎石治療中心   磁共振造影檢查室   電腦斷層攝影室   心肺室   心導管室   腦波肌電圖室   內視鏡室 PHARMACY   EMERGENCY PHARMACY   PM & R THERAPEUTIC AREA   E.S.W.L. CENTER   MRI ROOM   CT ROOM   CARDIOPULMONARY ROOM   CARDIAC CATHETERIZATION ROOM   EEG/EMG ROOM   ENDOSCOPY ROOM	服務台   門診掛號/批價   住院服務中心   急診掛號/批價   核子醫學科   影像醫學部   駐衛警察隊   銀行 INFORMATION CENTER   OUTPATIENT REGISTRATION/CASHIER   ADMISSION SERVICE   EMERGENCY REGISTRATION/CASHIER   DIVISION OF NUCLEAR MEDICAL   DEPT. OF MEDICAL IMAGING   SECURITY TEAM   BANK
B1		正子造影中心 PET CENTER	營養部   工務室   資材供應室   病歷室   開標室   住院藥局藥庫   社工部   寧靜軒   民生廣場   美髮部 DEPT. OF NUTRITIONAL SERVICE   DEPT. OF ENGINEERING AND MAINTENANCE   DEPT. OF MATERIAL SUPPLY   MEDICAL RECORDS ROOM   BIDDING ROOM   INPATIENT PHARMACY/INVENTORY CONTROL & MANAGEMENT/MEDICINE STORE/ROOM   DEPT. OF SOCIAL WORK   MORGUE   FOOD COURT AND LIVING SUPPLIES SQUARE   HAIR SALON
B2	放射線腫瘤部 DEPT. OF ONCOLOGY AND RADIOLOGY		醫療事務室   醫學工程室   停車場   防空避難室 DEPT. OF MEDICAL AFFAIRS   DEPT. OF MEDICAL ENGINEERING   PARKING LOT   SHELTER



## 大眾運輸工具資訊

## Public Transport Information

(大台南公車經本院資訊)  
Tainan City Bus to the Hospital

- ◎ 2、橘12、綠17、19、77號公車搭至小東路成大醫院
- ◎ 5、99號公車搭至勝利路成大醫院
- ◎ 6號公車搭至小東路成功大學
- ◎ 2、Orange 12, Green 17, 19 or 77 to Xiaodong Road National Cheng Kung University Hospital
- ◎ 5 or 99 to Shengli Road National Cheng Kung University Hospital
- ◎ 6 to Xiaodong Road National Cheng Kung University

(高鐵路線)  
HSR Tainan Station  
to the Hospital

- 高鐵台南站至本院，可於台鐵沙崙站搭乘區間車至台南火車站，於後火車站搭乘本院免費服務接駁車至門診或住院大樓。
1. Go to TRA Shaohun Station through the transfer corridor on the second floor of the HSR Tainan Station, or through Exit 1 in the ground floor lobby.
  2. Take the TRA local train to Tainan Train Station (takes around 20 minutes).
  3. Take the free hospital shuttle bus to the Outpatient or Inpatient Building from the train station's rear exit.
  4. The local trains and free shuttle buses depart every 30 minutes

(免費服務接駁車)  
週一至週五Shuttle bus service  
Monday to Friday後火車站發車  
上午07:30Depart from train station's  
rear exit 07:30 AM住院大樓發車  
上午07:40至下午05:40Depart from Inpatient Building  
07:40 AM to 05:40 PM每20分鐘一班，如有延誤請稍候  
國定例假日、週六、週日停駛Departs every 20 minutes; please wait if there is any delay.  
Services suspended on Saturdays, Sundays and national holidays.



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

