



中山大學 孫逸仙紀念醫院
SUN YAT-SEN MEMORIAL HOSPITAL, SUN YAT-SEN UNIVERSITY

Sun Yat-sen Memorial Hospital, Sun Yat-sen University

November 2024





Lingnan Medical College in 1935

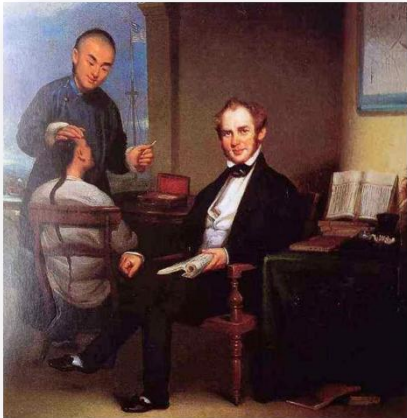


Bird's eye view: SYSM hospital
sits on the bank of the Pearl River, Guangzhou

Origin of Western Medicine in China (1835)



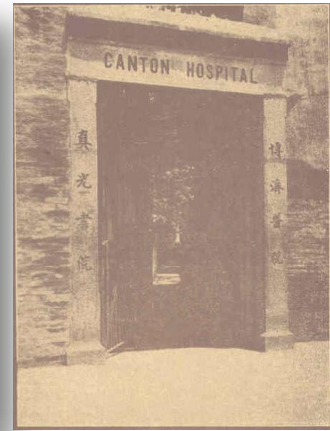
Hospital Founder:
Dr. Peter Parker
(1804~1888)



Hospital's Renji Road
Entrance



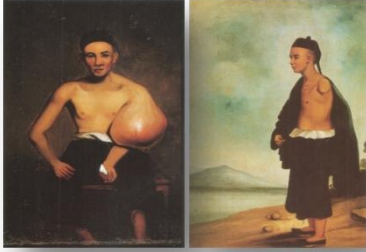
Canton Hospital in 1859



Entrance of Canton Hospital

In **1837**, Dr. Peter Parker had recruited **three** Chinese students, taught them medical theories in English and trained them to be medical doctors.

Pioneering western medicine:



Amputation (1836)



Ether (1847) & Chloroform (1848)
Anesthesia



Medical Journal (1881)

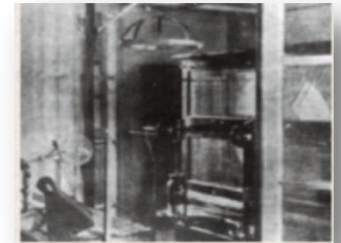


Ocular Surgery
(1835)

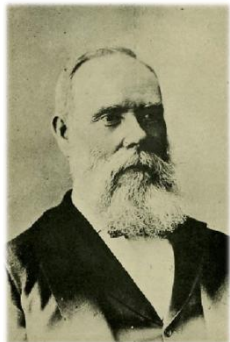
Cystolithotomy
(1844)

Pathology Specimen Dissection
(1850)

X-ray Film (1901)



Cradle of Western Medical Education in China (1866)

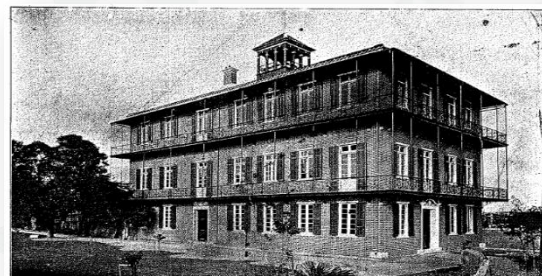


Dr. John Kerr

- In 1866, Dr. John Kerr opened the Boji Medical Class at Canton Hospital
- Start of systematic training of medical students in China



Dr. John Kerr and the hospital faculty



Dr. John Kerr furthered the education program, and established the Huanan Medical School



Today: Zhongshan School of Medicine, SYSU

Where Dr. Sun Yat-sen Studied (1886)



Dr. Sun Yat-Sen, the revolutionary forerunner of China, studied at Boji Medical Class in 1886.

孫文 廣 慈 博 愛

Inscription by Dr. Sun Yat-sen, which means being **benevolent, learned, caring and open-minded**



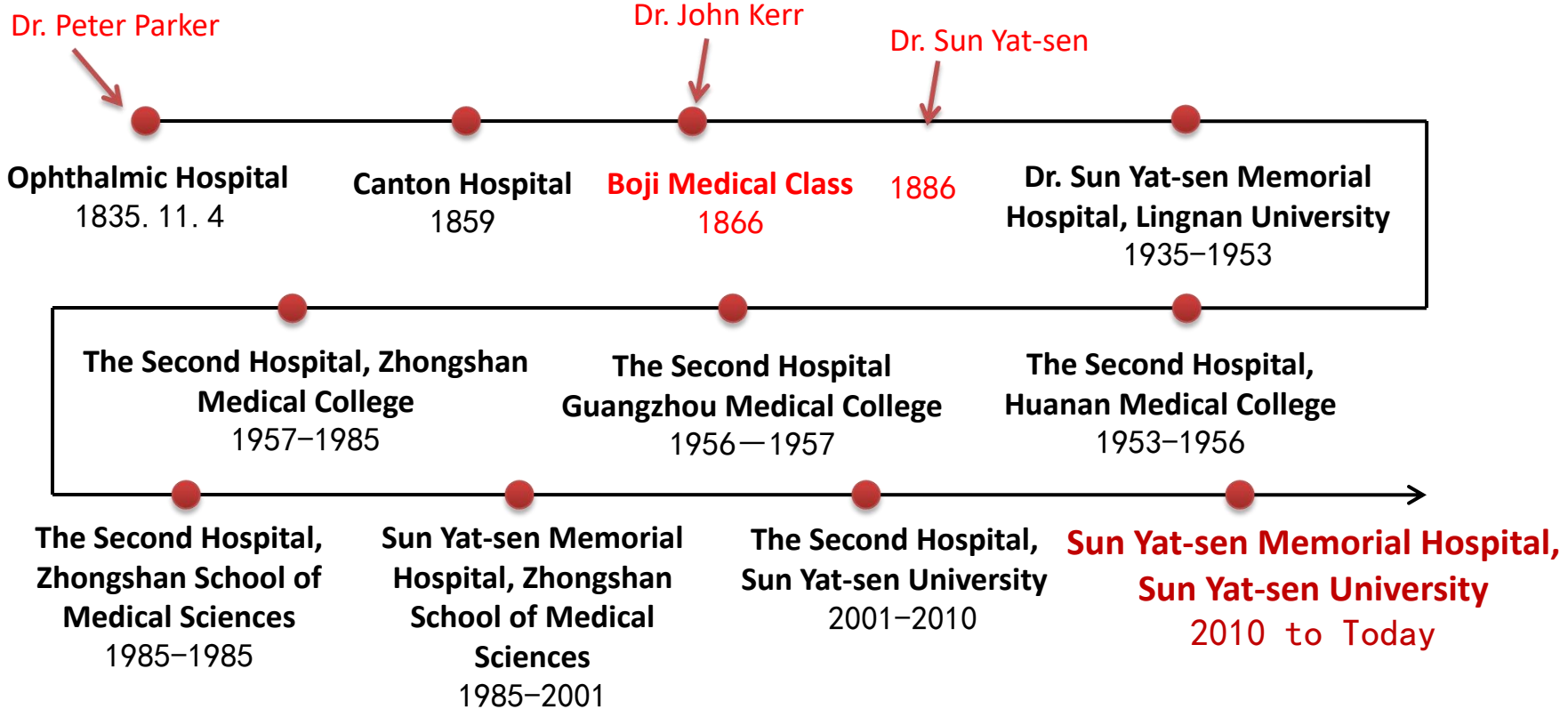
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Dr. Sun & hospital staff in 1912



Madam Soong Ching-ling, wife of Dr. Sun Yat-sen, stood in front of the monument in memory of Dr. Sun Yat-sen, which has situated at the hospital garden since 1935

Timeline of Hospital History



Hospital Today

By far, the hospital has developed into a top ranking hospital
with **4 hospital campuses & 1 university clinic**

Guangzhou



North Campus



South Campus



Huadu Campus



SYSU Out-patient
Clinic

Shanwei



Shenshan Medical Center
(Shanwei Campus Phase I)

**National Regional Medical Center
Hospital**

Hospital Campuses under Construction

● Haizhuwan Campus:

- 73,333 sq m (floor space)
- 1,500 beds



● Phase II Area, Shenshan Medical Center (Shanwei Campus):

- 200,000 sq m (floor space)
- 3,000 beds
- Phase I has opened since mid 2021



Growing Capacity



- 2,204 inpatient beds (Guangzhou); 800 inpatient Beds (Shanwei).
- >3 million outpatient consults/ year
- >150,000 inpatient discharges/year;
- >100,000 surgeries/year.

7 National Key Disciplines

Nephrology (Internal Medicine),
Endocrinology & Metabolism,
General Surgery, Neurology,
Oncology, Otolaryngology, Ophthalmology

17 National Key Clinical Specialties

Orthopedics, Gynecology, Oncology, Endocrinology, Oral and Maxillofacial Surgery, Pediatric Hematology, Emergency Medicine, Urology, General Surgery, Cardiology, Otolaryngology, Neurology, Transplantology, Medical Imaging, Rehabilitation Medicine, Pediatrics, Dermatology

27 Guangdong Key Clinical Specialties

16 Guangdong High-Level Key Clinical Specialties

Pursuit of Excellence

Undertaking the National Project of Difficult Diseases Diagnosis & Treatment



- ✓ CNY 150 million financial support
- ✓ Upgrade of medical equipment
- ✓ Construction of information system

Listed as Guangdong Provincial High-level Key Hospital

- ✓ CNY 300 million financial support
- ✓ Cutting-edge techniques
- ✓ First-class disciplines & Talent pool



Certified as National Organ Transplant Unit



- ✓ Receive national approval to perform liver, kidney, heart and lung transplants

Medical Services

Featured Treatments

- MDT for complex diseases
- Precision Surgery
- Minimally-invasive Surgery
- Breast conserving surgery
- Robot-assisted laparoscopic surgery etc.



Diagnostic & Treatment Devices (TM)



Device alarming cardiac death



Dressings for diabetic foot ulcers



Kit for testing sensitivity to breast cancer chemotherapy



Instant diagnosis & prognosis prediction system for NCP

AI Applications



Robot-assisted ward rounds



AI-based remote ECG monitor



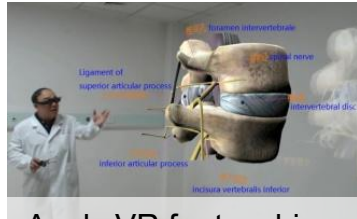
AI remote diagnosis (cell pathology, CT, MR)

Medical Education



149 Ph.D. supervisors and **300** master supervisors;
Undergraduates: **>1,000**; Graduates: **>850**; Visiting students: **>500**.

Improving Teaching Approaches



Apply VR for teaching



Surgeons or physicians teach anatomy and medical theories

Medical Simulation Center

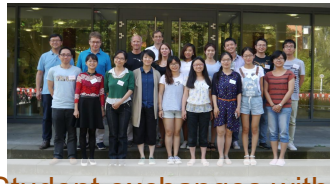
- ✔ Provides platform and facilities for clinical training
- ✔ **>8,500** receptions/year



Students Exchanges



1~2 year training in Cardiff University



Student exchanges with Essen University Hospital



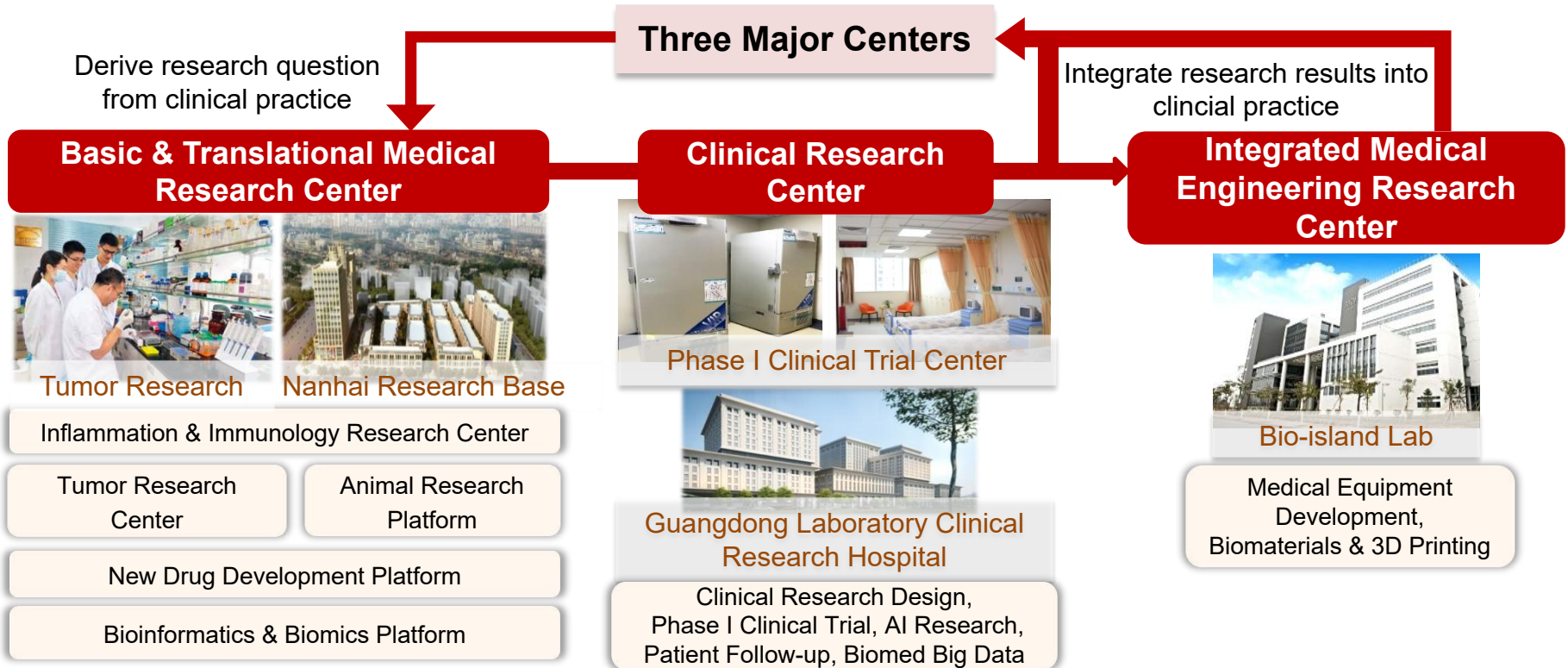
Students presented poster at Cell Symposium



International Students observe surgeries

Research Platforms

🏠 Floor space for research: ~20,000 sq m

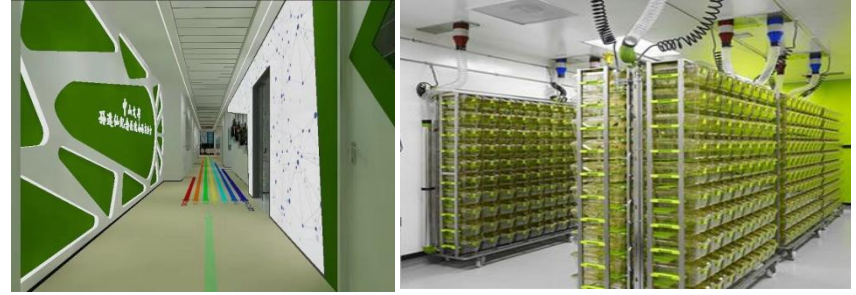


Expanding Research Platforms

📍 Research floor space expanded to: **46,500 sq m**



Renji Road——Education and Scientific Research Building,
12,800 sq m, (in use)



Foshan Nanhai District——Precision & Clinical Immunology
Innovative Center, **13,000 sq m**, (in use)



Bio-island——Developmental Disorder & Tumor Research
Center, **6,000 sq m**, (in use)



Huangpu District——
Academician Workstation
9,700 sq m, (under
construction)



Nansha District——Integrated
Medical Engineering Research
Center **5,000 sq m**, (in use)

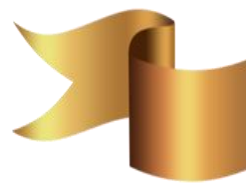
World's Top Hundred Research-oriented Health Institution

nature index

According to **the Nature Index** ranking of healthcare institution's output from *1 Dec. 2019 to 30 Nov. 2020*, SYSM hospital ranks **4th** in China, and **73rd** in the world.



Institution	Count	Share
1. Renji Hospital, SJTU	140	38.41
2. West China School of Medicine/West China Hospital of Sichuan University (WCSM/WCH), SCU	82	24
3. Second Affiliated Hospital of Zhejiang University (SAHZU), ZJU	53	13.59
4. Sun Yat-sen Memorial Hospital, SYSU	48	11.52
5. Ruijin Hospital, SJTU	50	11.04
6. Sun Yat-sen University Cancer Center (SYSUCC), SYSU	37	10.89
7. First Affiliated Hospital, ZJU	52	9.25
8. Shanghai Ninth People's Hospital, SJTU	37	9.04
9. The People's Liberation Army General Hospital (PLAGH)	39	8.56
10. Xiangya Hospital, CSU	45	8.45



Thank you

