



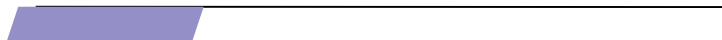
Guangdong Regional Report 2020-2022

2023 CGCM Meeting
Chengdu, China
August 22, 2023



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Member Institutes



Member Institutes

At present, Guangdong Branch of CGCM include 8 member institutes:



Guangzhou University of Chinese Medicine: One of the earliest 4 Chinese medicine colleges in China.



Sun Yat-Sen University: A key university directly of the Ministry of Education, "Double First-Class" university.



College of Pharmacy, Jinan University: One of the top pharmacy colleges in China. "Double First-Class" disciplines.



Guangdong Provincial Hospital of Chinese Medicine (GDHCM): The largest both in scale and services amount in China.

Member Institutes

At present, Guangdong Branch of CGCM include 8 member institutes:



Southern Medical University: One of the top universities in China which is the earliest hospital of western medicine with department TCM.



Guangdong Pharmaceutical University: One of the top three pharmaceutical universities in China.



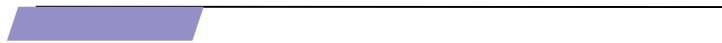
South China Botanical Garden, Chinese Academy of Sciences : The largest botanical garden in China and one of the protection organization of rare plant resource



National Engineering Research Center for Modernization of TCM: One of the earliest 4 engineering centers of Chinese herbal medicine in China.

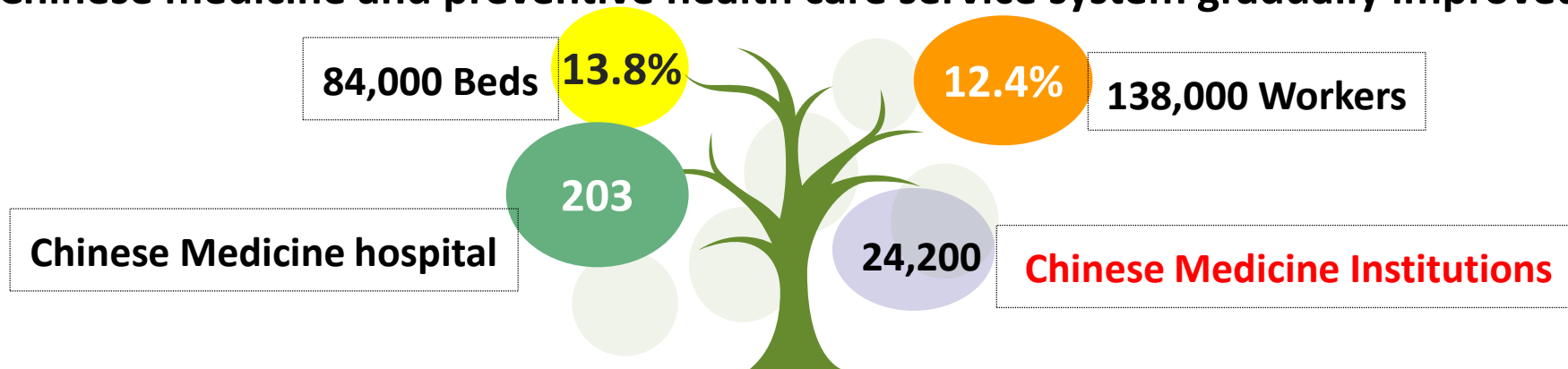
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Review of the Chinese Medicine development in Guangdong province



Medical Care by the end of 2022

Chinese medicine and preventive health care service system gradually improved.

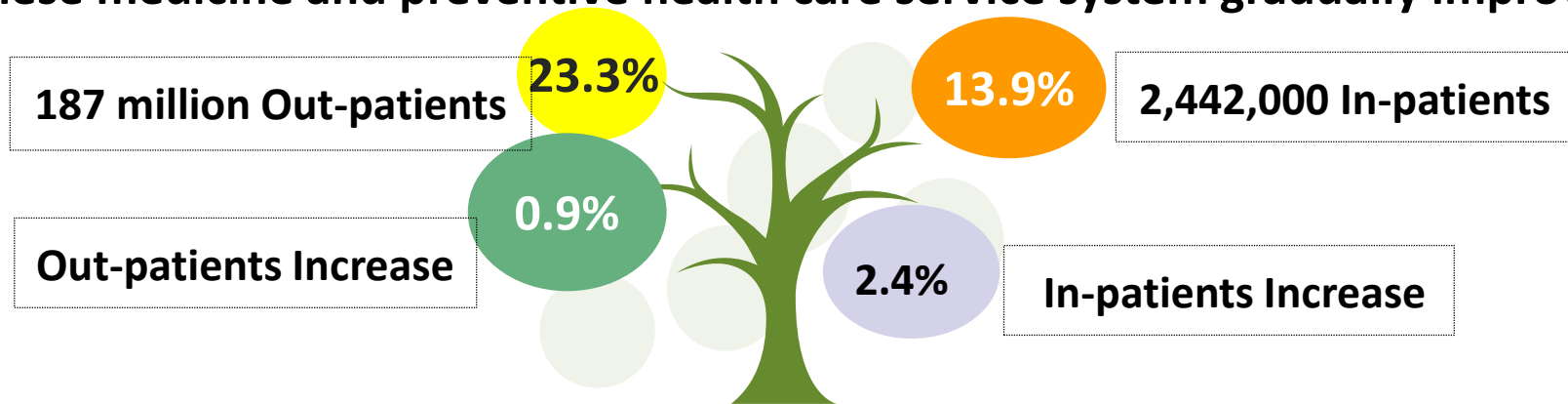


Chinese Medicine resources in Guangdong continue to grow, the efficiency of service utilization is improved of Chinese Medicine service.

By the end of 2022, the total number of CM medical institutions in the province reached 24,200 (an increase of 535 over the previous year), including 203 CM hospitals, 309 CM outpatient departments, 5,609 CM clinics, and 18,063 village clinics (mainly CM).

Medical Care by the end of 2022

Chinese medicine and preventive health care service system gradually improved.



In 2022, medical institutions in the Guangdong provided 187 million outpatient services of Chinese Medicine, accounting for **23.3%** of the total in the province, including 62.679 million in Chinese Medicine hospitals, **20.373** million in Chinese Medicine outpatient departments (institutes), **60.565** million in Chinese Medicine village clinics, and 43.617 million in other institutions.

Medical Care

Guangzhou University of Chinese Medicine Guangdong Provincial Hospital of Chinese Medicine

The affiliated hospitals of Guangzhou University of CM is at the top of comprehensive medical services. The second affiliated hospital “**Guangdong Provincial Hospital of Chinese Medicine (GDHCM)**” is the one with the largest service within China, with **6.44 million out-patient services** and 159,000 in-patients services in 2022.



- ❑ Published by HongKong Ailib Hospital Management Research Center
- ❑ both the first and the second affiliated hospitals of Guangzhou University of CM have ranked in the top ten.
- ❑ Guangdong Provincial Hospital of CM (the second affiliated hospital of Guangzhou University of CM) have ranked in the first in successive ten years.

名次	医院	得分	省(区、市)	城市	级别	信息化评级 (EMR/互联互通/智慧服务)
1	广东省中医院	876.83	广东	广州	三甲	五级/五级乙等/-
2	江苏省中医院	865.29	江苏	南京	三甲	五级/四级甲等/-
3	上海中医药大学附属龙华医院	849.39	上海	上海	三甲	-/五级乙等/-
4	中国中医科学院广安门医院	843.75	北京	北京	三甲	五级/五级乙等/-
5	中国中医科学院西苑医院	828.95	北京	北京	三甲	-/四级甲等/-
6	上海中医药大学附属曙光医院	820.49	上海	上海	三甲	-/四级甲等/-
7	北京中医药大学东直门医院	808.00	北京	北京	三甲	-/四级甲等/-
8	广州中医药大学第一附属医院	798.51	广东	广州	三甲	-/五级乙等/-
9	天津中医药大学第一附属医院	789.15	天津	天津	三甲	
10	辽宁中医药大学附属医院	781.37	辽宁	沈阳	三甲	

Talent Team

Chinese Medicine talent team is growing

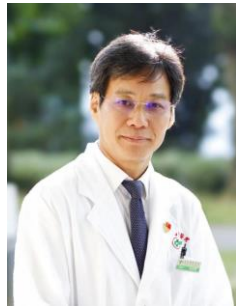
- Academician of Chinese Academy of Engineering
Xinsheng Yao, **(new) Liang Liu**
- National Masters of Chinese Medicine
Tietao Deng, Guowei Xuan, Daihan Zhou, **(new) Yi Lin**
- National Famous Doctors of Chinese Medicine
Maocai Liu, Jianxing Qiu, Huiqing Ouyang
(new) Zhongde Zhang, Songping Luo, Baotian Chen, Zhiping Lyu



Liang Liu



Yi Lin



Zhongde Zhang



Songping Luo



Baotian Chen



Zhiping Lyu

Talent Team

Chinese medicine talent team has expand steadily.



- By the end of 2022, there were 57,000 CM practicing (include assistant) physicians in Guangdong Province,
- 21.2% increase over 2019;

Education

- **7 National Key and Cultivation Disciplines**
- **41 Key Clinical Disciplines** of State Administration of Traditional Chinese Medicine
- **19 High-level Key Clinical Disciplines** of State Administration of Traditional Chinese Medicine in 2023
- **“Double First-Class”** university and disciplines of the Ministry of Education
 - Sun Yat-Sen University**
 - Jinan University**
 - Guangzhou University of Chinese Medicine**

Education



□ Clinical Medicine discipline in both Guangzhou University of CM and Southern Medical University have ranked into ESI World Top 1%

- SUSY
- 20 disciplines into the ESI of the front 1% Global Rank , 9 rank the ESI of the front 0.1% .
- Jinan University
- 17 disciplines ranked into ESI Global Top 1% in the , 9 ranked into ESI Global Top 0.5%.

Industry

The important distributing centers of Chinese Medicine

- Guangzhou qingping Chinese medicinal materials professional market
- Pu-ning Chinese medicinal materials professional market



- Guangzhou international medicine port
- The Loufu medicine valley
- South China modern Chinese medicine Park

Scientific Research

The inheritance and innovation progress

2 National Awards

- **1 National Science and Technology Progress Second Award**
"Theoretical Innovation and Clinical Application of Acupuncture in the Treatment of Ischemic Stroke" (Guangzhou University of Chinese Medicine)
- **1 First Prize for Scientific Research of the Higher Academy of the Ministry of Education**
Key Technologies and Applications of Ancient Method Processing, Inheritance and Innovation" (National Engineering Research Center for Modernization of TCM)

Scientific Research

**The inheritance and innovation progress is remarkable
Chinese Medicine Award for recent 4 years**

- **8 first prizes of Guangdong Science and Technology Award**

Guangzhou University of Chinese Medicine (2)

Jinan University,

Guangdong Provincial Hospital of Chinese Medicine (2)

The First Affiliated Hospital of Guangzhou University of Chinese Medicine

Guangzhou Baiyunshan Zhongyi Pharmaceutical Co. Ltd

Guangdong Yifang Pharmaceutical Co. Ltd

High-level Scientific Research Base

- **State Key Laboratory of Dampness Syndrome of Chinese Medicine (GDHCM, 2021)**

In 2021, it was approved to establish the only state key laboratory of Chinese medicine in China



- **South China National Botanical Garden (South China Botanical Garden, 2022)**

In 2022, established with the approval of the State Council, it is the second national botanical garden in China



High-level Scientific Research Base

State Key Laboratory of Traditional Chinese Medicine Syndrome (GDHCM, 2023)

In 2023, it was approved to be established, the first batch of national key laboratories of Chinese medicine in China



High-level Scientific Research Base

- **State Clinical Medical Research Center
(Southern Medical University)**
- **2 State Chinese Medicine Clinical Research Center
(Guangzhou University of CM, GDHCM)**
- **2 National Heritage and Innovation Center
(Guangzhou University of CM, GDHCM)**
- **National Engineering Research Center for Modernization of TCM
(Livzon Pharmaceutical Group Inc., Guangzhou University of CM)**



High-level Scientific Research Base

➤ National Incubator for Science and Technology Enterprises

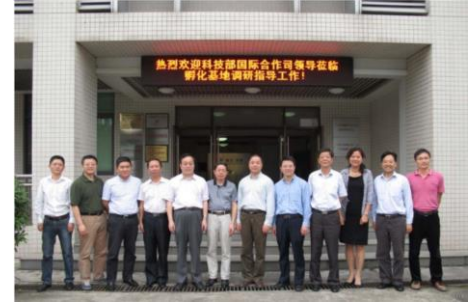
(Guangdong Pharmaceutical University)

➤ National innovation platform for the integration of industry and education in medical research

(Guangzhou University of Chinese Medicine)

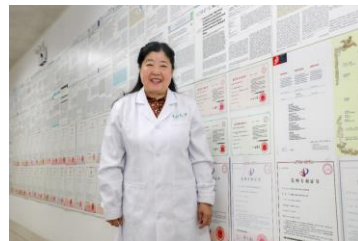
➤ National "Flagship" Cooperation Hospital of Chinese and Western Medicine

(Southern Medical University)



High-level Scientific Research Base

- **Guangdong-Hong Kong-Macao Joint Laboratory of Traditional Chinese Medicine and Immune Disease Research (GDHCM)**
- **Guangdong Engineering and Technology Research Center for Quality and Efficacy Re-evaluation of Post-marketed TCM (SYSU)**



Scientific Research Institute / Lab

**Phase I Clinical Research Center complied
with FDA standard in GDHCM**



**The first biological resource center in
Chinese medicine system with CNAS Certify
in GDHCM**



Landmark Achievements

➤ National Multidisciplinary Innovation Teams of Chinese Medicine

(Epidemic Diseases and Covid-19) (GDHCM)
Established in 2022

➤ National Inheritance and Innovation Teams of Chinese Medicine

(Heart Failure, Autoimmune Diseases)
(Guangzhou University of CM, GDHCM)
Established in 2022

国家中医药管理局

国中医药人教函〔2022〕8号

国家中医药管理局关于公布 2022 年度 中医药创新团队及人才支持计划项目入选团队 名单的通知

有关省（区、市）卫生健康委、中医药管理局，中国中医科学院：
根据《国家中医药管理局关于印发中医药创新团队及人才支持计划项目实施方案的通知》（国中医药人教函〔2021〕205号）要求，经相关单位推荐、专家遴选、公示等程序，确定中医药治疗新冠肺炎临床疗效评价和机理研究创新团队等 10 个团队为国家中医药多学科交叉创新团队，心衰的中医病机与治法研究传承创新团队等 10 个团队为国家中医药传承创新团队，现予以公布（见附件）。

- 附件：1. 国家中医药多学科交叉创新团队名单
2. 国家中医药传承创新团队名单



Landmark Achievements

GDHCM

- Since 2020, we have published
18 textbooks and 145 academic monographs.
4 **National Standards** and 7 Local Standards
4 Clinical Guidelines
3 **ISO international information standards**
1 **ISO international standard**
"Chinese Medicine-*Sinomenium acutum* stem"



Landmark Achievements

GDHCM

- Since 2020, we have obtained
 - 47 **invention patents** and 95 model patents
 - 12 software copyrights
 - 14 research achievements were **transformed**
with a cumulative transformation of **166 million yuan**
 - "**Fuzheng Jiedu Granules**" achieved the transformation of
100 million yuan
 - "**Jian'er Jiedu Granules**" achieved the transformation of
40 million yuan

张忠德创立的扶正解毒方 (FZJD) 和柴胡救肺方 (CHJF) 在治疗新冠重症方面颇有疗效
 Fuzheng Jiedu (FZJD) and Chai-Hu-Jiu-Fei (CHJF) recipes,
 formulated by Prof. Zhang, exerted great therapeutic effects on severe COVID-19.

- FZJD专利号 (Patent) : ZL 2020 1 0224547.5
- 阳气虚衰、疫毒侵肺证的重症患者 (Severe patients with the syndromes of Yang Qi deficiency and SARS-CoV-2 invading lung)

扶正解毒方 (Fuzheng Jiedu recipe)



制附子
*Radix Aconiti Lateralis
 Preparata*



干姜
*Rhizoma
 Zingiberis*



炙甘草
*Radix et Rhizoma
 Glycyrrhizae Preparata*



金银花
Flos Lonicera



皂角刺
*Spina
 Gleditsiae*



五爪龙
Radix Ficus Hirta



广藿香
Herba Pogostemonis



陈皮
*Pericarpium Citri
 Reticulatae*

柴胡救肺方 (Chaihu Jiufei recipe)



柴胡
Radix Bupleuri



黄芩
Radix Scutellaria



法半夏
*Rhizoma Pinelliae
 Praeparatum*



生姜
*Rhizoma Zingiberis
 Recens*



大枣
Ziziphus jujuba Mill



枳实
*Fructus Aurantii
 Immaturus*



大黄
*Radix et
 Rhizoma Rhei*



桃仁
Semen Persicae



白芍
*Radix Paeoniae
 Alba*

一项临床研究来评估FZJD和CHJF颗粒治疗COVID-19重症的疗效
We conducted a clinical study to assess the
therapeutic effects of FZJD and CHJF granules on severe COVID-19 patients.

- 研究类型：单中心回顾性研究 (n=477)
- Clinical research type: single center and retrospective study (n=477)
- 研究对象：2020.1.15~2020.3.30在武汉诊治的重症COVID-19患者
- Objects: severe COVID-19 patients from Wuhan in January 15, 2020 to March 30, 2020
- 研究分组：常规治疗/常规治疗加CHM颗粒 (1/1)
- Groups: Treated with usual care plus CHM granules / only usual care (1:1)
- 评价指标：倾向评分匹配
- Assessment: propensity score matching
- 结局：28 d临床症状改善
- Outcome: 28-day clinical improvement

注：CHM达标FZJD和CHJF颗粒 (Note: CHM, including FZJD and CHJF granules)

Wang et al. *Phytomedicine*, 2021

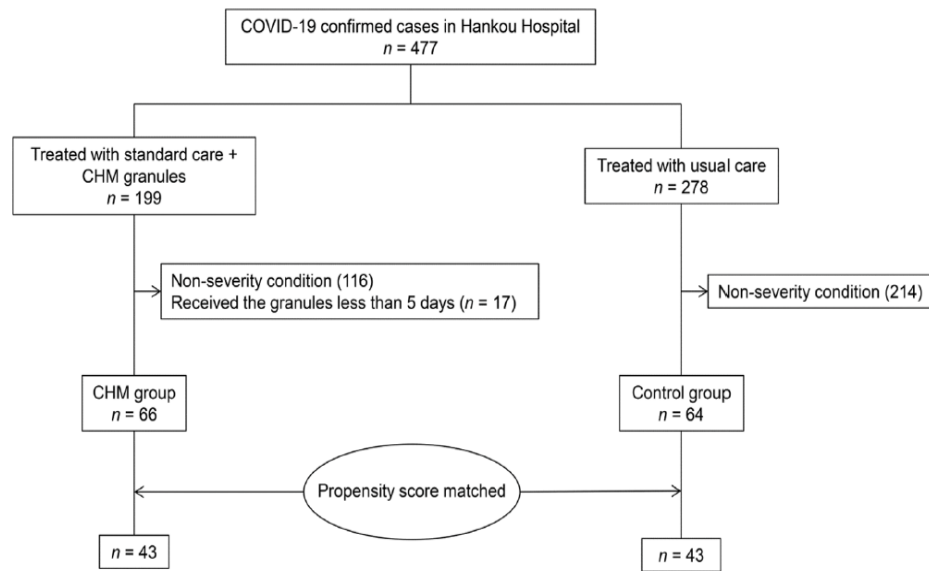


Fig. 1. Study flow chart.

FZJD显著降低新冠重症死亡率（21% vs 5%）
 FZJD significantly decreased the
 mortality rate of severe COVID-19 patients and the duration of fever.

Secondary outcomes of the groups.

Variables	Total		Control group		CHM group		<i>p</i>
	<i>N</i>	No. (%)	<i>N</i>	No. (%)	<i>N</i>	No. (%)	
Mortality rate on Day 28							
Survival	86	75 (87%)	43	34 (79%)	43	41 (95%)	0.049
Death	86	11 (13%)	43	9 (21%)	43	2 (5%)	
Duration of main symptoms (days)	<i>N</i>	Median (IQR)	<i>N</i>	Median (IQR)	<i>N</i>	Median (IQR)	
Duration of fever	29	5 (3.5–7.5)	14	7 (5–9.3)	15	4 (2–5)	0.002
Duration of cough	76	18 (13.9–22.1)	38	21 (13.0–29.0)	38	16 (11.6–20.4)	0.441
Duration of dyspnea	76	20 (15.4–24.5)	36	20 (13.7–26.3)	40	19 (12.6–25.4)	0.793
Lung lesion ratio from CT images	<i>N</i>	Percentage	<i>N</i>	Percentage	<i>N</i>	Percentage	
Before treatment	55	30 ± 18	29	26 ± 16	26	35 ± 19	0.081
After treatment	55	29 ± 19	29	28 ± 18	26	29 ± 21	0.832
Difference	55	1 ± 18	29	2 ± 13	26	5 ± 22	0.267

CHM: Chinese herbal medicine.

扶正解毒方 (FZJD) 降低新冠重症转化率达84%

Fu-Zheng-Jie-Du recipe (FZJD) significantly decreased the risk of disease deterioration in high-risk patients, reaching 84%.

A retrospective cohort study

- P: High-risk patients with mild to moderate COVID-19
- I: Fuzheng Jiedu (FZJD) group: FZJD+usual care
- C: No FZJD group: usual care.
- O: Outcome: the proportion of progression to severe COVID.

Analysis	Progression to severe disease(%)	OR(95%CI)	P value
No. of events/no. of high-risk patients (%)			
FZJD group	2/70 (2.86)		
No FZJD group	29/122 (23.77)		
Crude analysis-OR (95CI)	0.09 (0.02~0.41)		
Model 1 Multivariable analysis-OR (95CI) ^a	0.15 (0.03~0.7)		0.016
Model 2 Multivariable analysis-OR (95CI) ^b	0.16 (0.03~0.83)		0.03
Adjusted for propensity score ^c			
With matching ^d	0.15 (0.03~0.68)		0.014
With IPW ^e	0.14 (0.03~0.65)		0.012
With SMRW ^e	0.09 (0.02~0.48)		0.005
With PA ^e	0.17 (0.04~0.77)		0.021
			0.043

Associations between FZJD use and disease progression in the crude analysis, multivariable analysis, and propensity-score analyses

Unpublished data

COVID-19患者康复后6个月，以慢性炎症为特征的心血管疾病发生率显著增加，尤其是大于65岁的老年患者

The incidence of cardiovascular disorders featured by chronic inflammation increased obviously at 6-month after recovery from COVID-19, especially in elder (≥ 65 years old)

Table 3. Summary of Findings for new diagnoses of chronic conditions after SARS-CoV-2 infection.

Outcome	Subgroup Number of Studies	Relative findings HR (95% CI)	Conclusion Certainty for relative findings	Excess cases per 1000 people over 6 monthss (95% CI)
Cardiovascular disorders				
1. Any cardiovascular disorder	Inpatients, 18-64 y 1 study	4.30 (1.93 to 9.57)*	Small-to-moderate increase Low ^{a,b}	11.87 (3.35 to 30.82)
	Inpatients, ≥ 65 y 1 study	2.90 (2.26 to 3.72)	Large increase Low ^{a,b}	45.79 (30.36 to 65.55)
	Outpatients/mixed, <18y 2 studies	1.16 (1.12 to 1.20)	Little-to-no difference Low ^{b,c,1}	NE
	Outpatients/mixed, 18-64 y 4 studies	1.62 (1.21 to 2.17)	Small-to-moderate increase Moderate ^d	1.29 (0.44 to 2.43)
	Outpatients/mixed, ≥ 65 y 3 studies	1.82 (1.57 to 2.13)	Small-to-moderate increase High	12.41 (8.62 to 17.1)
2. Acute coronary disease	Outpatients/mixed, <18y 1 study	3.32 (0.42 to 26.23)	Very Low ^{b,D}	NE
	Outpatients/mixed, 18-64 y 4 studies	1.54 (1.16 to 2.06)	Small-to-moderate increase Moderate ^d	0.53 (0.16 to 1.04)
	Outpatients/mixed, ≥ 65 y 3 studies	1.79 (1.52 to 2.10)	Small-to-moderate increase High	6.23 (4.1 to 8.67)
3. Arrhythmias/ dysrhythmias	Outpatients/mixed, <18y 2 studies	1.21 (1.02 to 1.44)	Little-to-no difference Moderate ^d	NE
	Outpatients/mixed, 18-64 y 4 studies	1.69 (1.46 to 1.96)	Small-to-moderate increase Moderate ^b	3.88 (2.59 to 5.4)
	Outpatients/mixed, ≥ 65 y 3 studies	1.83 (1.65 to 2.02)	Small-to-moderate increase High	12.56 (9.84 to 15.43)
4. Cardiomyopathy	Outpatients/mixed, 18-64 y 2 studies	2.81 (2.31 to 3.42)	Large increase High	1.26 (0.91 to 1.69)
	Outpatients/mixed, ≥ 65 y 2 studies	1.90 (1.16 to 3.13)	Small-to-moderate increase Moderate ^d	6.19 (1.1 to 14.65)
5. Heart failure	Outpatients/mixed, <18y 1 study	0.56 (0.08 to 3.92)	Very Low ^{b,D}	NE
	Outpatients/mixed, 18-64 y 3 studies	2.07 (1.71 to 2.52)*	Small-to-moderate increase High	0.92 (0.61 to 1.3)
	Outpatients/mixed, ≥ 65 y 2 studies	2.01 (1.77 to 2.27)*	Small-to-moderate increase High	12.77 (9.73 to 16.05)

SARS-CoV-2 Delta变异株感染的COVID-19或重症患者中伴随心血管疾病者占比最大

Cardiovascular diseases patients accounted for a largest proportion of Delta variant infected or severe COVID-19.

Delta 变异株感染的 COVID-19 的基础疾病特征 (%) [↙]

The characteristics of basic diseases in Delta variant infected COVID-19 patients[↙]

Items [↙]	Total [↙] (n=166) [↙]	Asymptomatic infection [↙] (n=5) [↙]	Non-severe [↙] (n=123) [↙]	Severe [↙] (n=38) [↙]	χ^2 [↙]	P [↙]
Hypertension [↙]	32(19.3) [↙]	0(0) [↙]	16(13.0) [↙]	16(42.1) [↙]	15.434 [↙]	<0.001 [↙]
Diabetes [↙]	13(7.8) [↙]	0(0) [↙]	5(4.1) [↙]	8(21.1) [↙]	-- [↙]	0.003* [↙]
Chronic cardiovascular diseases [↙]	8(4.8) [↙]	0(0) [↙]	3(2.4) [↙]	5(13.2) [↙]	-- [↙]	0.019* [↙]
Chronic lung diseases [↙]	11(6.6) [↙]	1(20.0) [↙]	5(4.1) [↙]	5(13.2) [↙]	-- [↙]	0.057* [↙]
Chronic kidney diseases [↙]	3(1.8) [↙]	0(0) [↙]	1(0.8) [↙]	2(5.3) [↙]	-- [↙]	0.139* [↙]
Chronic liver diseases [↙]	1(0.6) [↙]	0(0) [↙]	1(0.8) [↙]	0(0) [↙]	-- [↙]	0.764* [↙]
Nervous system diseases and sequelae [↙]	5(3.0) [↙]	0(0) [↙]	2(1.6) [↙]	3(7.9) [↙]	-- [↙]	0.086* [↙]
Malignant tumors [↙]	3(1.8) [↙]	0(0) [↙]	1(0.8) [↙]	2(5.3) [↙]	-- [↙]	0.139* [↙]

COVID-19 重症病例的基础疾病特征 (%) [↙]

The characteristics of basic diseases in severe COVID-19 patients (%)[↙]

Items [↙]	Total [↙] (n=101) [↙]	28 d-survival [↙] (n=83) [↙]	28 d-death [↙] (n=18) [↙]	χ^2 [↙]	P [↙]
Hypertension [↙]	57(56.4) [↙]	45(54.2) [↙]	12(66.7) [↙]	0.933 [↙]	0.334 [↙]
Diabetes [↙]	36(35.6) [↙]	25(24.8) [↙]	11(61.1) [↙]	6.916 [↙]	0.013 [↙]
Chronic cardiovascular diseases [↙]	19(18.8) [↙]	15(18.1) [↙]	4(22.2) [↙]	0.167 [↙]	0.683 [↙]
Cerebrovascular diseases [↙]	17(16.8) [↙]	10(9.9) [↙]	7(38.9) [↙]	5.816 [↙]	0.016 [↙]
Chronic lung diseases [↙]	17(16.8) [↙]	16(19.5) [↙]	1(5.6) [↙]	1.130 [↙]	0.288 [↙]
Chronic kidney diseases [↙]	6(5.9) [↙]	3(3.6) [↙]	3(16.7) [↙]	2.476 [↙]	0.116 [↙]
Chronic liver diseases [↙]	2(2.0) [↙]	2(2.4) [↙]	0(0) [↙]	-- [↙]	1.000* [↙]
Malignant tumors [↙]	7(6.9) [↙]	6(7.2) [↙]	1(5.6) [↙]	0.000 [↙]	1.000 [↙]

Unpublished data

COVID-19重症患者中病毒性肺炎及慢性炎症疾病高发的老年人群占比最大
 The elder (≥ 65 years old) patients accounted for a largest proportion of severe COVID-19,
 in which the incidence rate of viral pneumonia and chronic inflammation diseases is high.

两组人口统计学资料及疾病基线特征比较 (n=115) \leftarrow

The compare of Demographic data and baseline disease characteristics between two groups \leftarrow

Items \leftarrow	Total (n=115) \leftarrow	Exposed to FZJD \leftarrow (n=57) \leftarrow	Non-exposed to FZJD (n=58) \leftarrow	P \leftarrow
Gender (n, %) \leftarrow				
Male \leftarrow	85 (73.9) \leftarrow	40 (70.2) \leftarrow	45 (77.6) \leftarrow	0.366 \leftarrow
Female \leftarrow	30 (26.1) \leftarrow	17 (29.8) \leftarrow	13 (22.4) \leftarrow	
Age > 65 岁 (n, %) \leftarrow	95 (82.6) \leftarrow	48 (84.2) \leftarrow	47 (81.0) \leftarrow	0.653 \leftarrow
Chronic basic diseases (n, %) \leftarrow	97(87.4) \leftarrow	48(84.2) \leftarrow	49 (90.7) \leftarrow	0.300 \leftarrow
Hypertension \leftarrow	65(58.6) \leftarrow	36 (63.2) \leftarrow	29 (53.7) \leftarrow	0.312 \leftarrow
Diabetes \leftarrow	39 (35.1) \leftarrow	20 (35.1) \leftarrow	19 (35.2) \leftarrow	0.991 \leftarrow
Coronary heart diseases \leftarrow	21 (18.9) \leftarrow	12 (21.1) \leftarrow	9 (16.7) \leftarrow	0.555 \leftarrow
Cerebrovascular diseases \leftarrow	20 (18.0) \leftarrow	10 (17.5) \leftarrow	10 (18.5) \leftarrow	0.894 \leftarrow
Chronic respiratory diseases \leftarrow	19 (17.1) \leftarrow	9 (15.8) \leftarrow	10 (18.5) \leftarrow	0.703 \leftarrow
COPD \leftarrow	12 (10.8) \leftarrow	5 (8.8) \leftarrow	7 (13.0) \leftarrow	0.477 \leftarrow
Bronchial asthma \leftarrow	4 (3.6) \leftarrow	3 (5.3) \leftarrow	1 (1.9) \leftarrow	0.335 \leftarrow
Bronchiectasis \leftarrow	9 (8.1) \leftarrow	2 (3.5) \leftarrow	7 (13.0) \leftarrow	0.088 \leftarrow
Chronic kidney diseases \leftarrow	7 (6.3) \leftarrow	4 (7.0) \leftarrow	3 (5.6) \leftarrow	1.000 \leftarrow
Chronic liver diseases \leftarrow	3 (2.7) \leftarrow	2 (3.5) \leftarrow	1 (1.9) \leftarrow	1.000 \leftarrow
Malignant tumors \leftarrow	8 (7.2) \leftarrow	2 (3.5) \leftarrow	6 (11.1) \leftarrow	0.32 \leftarrow

Unpublished data

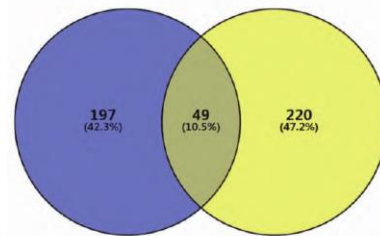
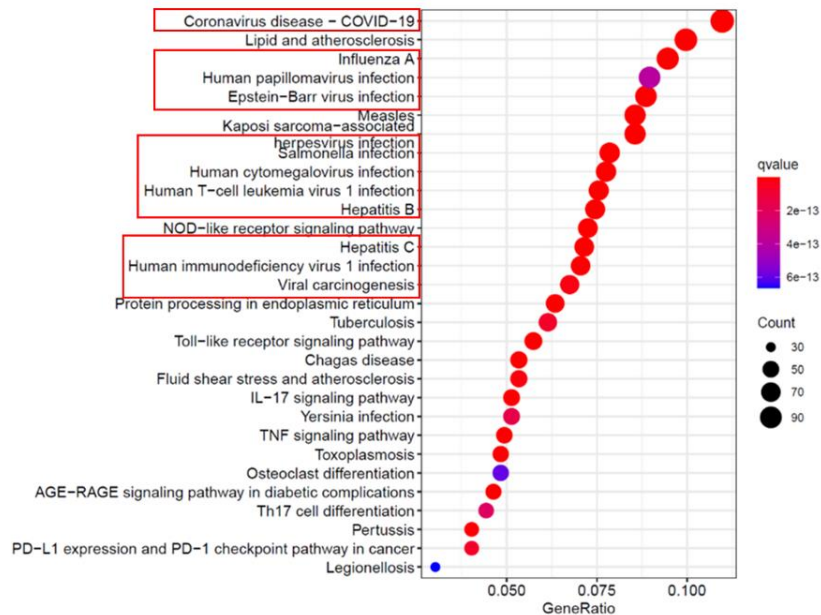
FZJD在降低重症转化率方面，尤其对病毒性肺炎和心血管疾病高发的老年人群和未接种疫苗人群疗效明显，具有良好安全性

FZJD decreased the rate of severe transformation of COVID-19 patients and had good safety, especially in elder (with high incidence of viral pneumonia and cardiovascular diseases) and non-vaccinated ones.

Subgroup	n.total	Exposed to FZJD (n, %)	Non-exposed to FZJD (n, %)	adj.OR (95%CI) *	adj.P*	P for interaction
Gender						
Male (n=93)	15(16.1)	1 (3.2)	14 (22.6)	0.1 (0.01~0.95)	0.045	0.881
Female (n=99)	16(16.2)	1 (2.6)	15 (25)	0.15 (0.02~1.27)	0.082	
Age						
<65(n=98)	10(10.2)	2 (6.2)	8 (12.1)	0.65 (0.1~4.09)	0.649	0.014
≥65(n=94)	21(22.3)	0 (0)	21 (37.5)	0 (0~Inf)	-	
Admission classification						
asymptomatic, Mild(n=46)	7(15.2)	1 (4.5)	6 (23.1)	0.23 (0.02~2.81)	0.251	0.49
Moderate (n=144)	24(16.7)	1 (2.1)	23 (24)	0.09 (0.01~0.7)	0.022	
Vaccination						
NO(n=79)	28(35.4)	0 (0)	28 (45.2)	0 (0~Inf)	-	0.004
YES(n=110)	3(2.7)	2 (3.8)	1 (1.7)	2.81 (0.22~35.94)	0.428	

	Exposed to FZJD			Non-exposed to FZJD		
	Frequency	Count (n)	occurrence rate	Frequency	Count (n)	occurrence rate
Total adverse events	2	2	1.47%	7	7	5.7%
Adverse events related to used drugs	1	1	0.7%	0	0	-
Severe adverse events	0	0	0	0	0	0

网络药理学显示FZJD与包括COVID-19在内的十几种病毒感染性疾病相关，并存在众多COVID-19作用靶点
 Network pharmacology showed that FZJD was related to more than ten viral infectious diseases, such as COVID-19, and had plenty of potential targets of COVID-19.



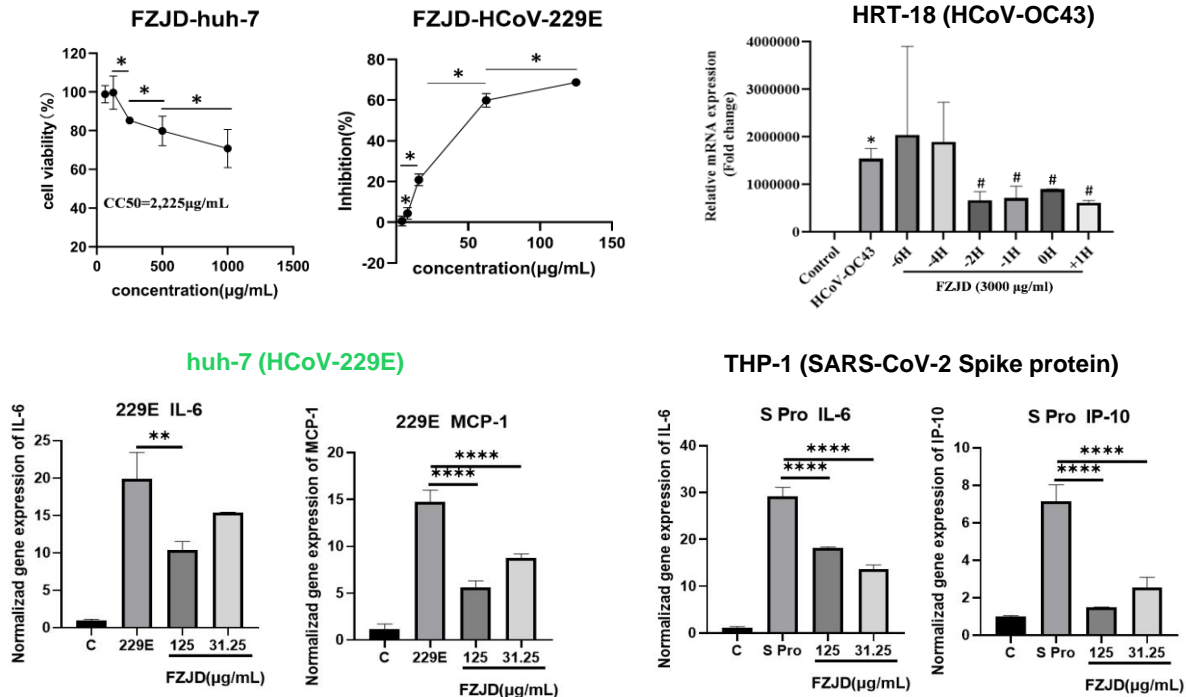
A.靶点韦恩图。

PTGS1, PTGS2, RELA, BCL, MAPK3,
 MAPK1, CASP3, BAD, SOD1, CAT,
 PPARG, CALM1, NOS2, DPP4, BAX,
 MAPK8, CREB1, PLA2G4A, CASP8,
 PRKCA, MAPK14, IL1B, EGFR, BCL2L1,
 FOS, RB1, IL6, STAT1, HSPA5,
 HMOX1, ICAM1, CCL2, PRKCB, NOS3,
 HSPB1, IL2, SERPINE1, IL1A, PARP1,
 CXCL11, CXCL2, CRP, CXCL10,
 CD40LG, IRF1, ALB, CDK4, MCL1, IL4

B.潜在作用靶点。

FZJD抑制冠状病毒复制及病毒感染引起的炎症反应

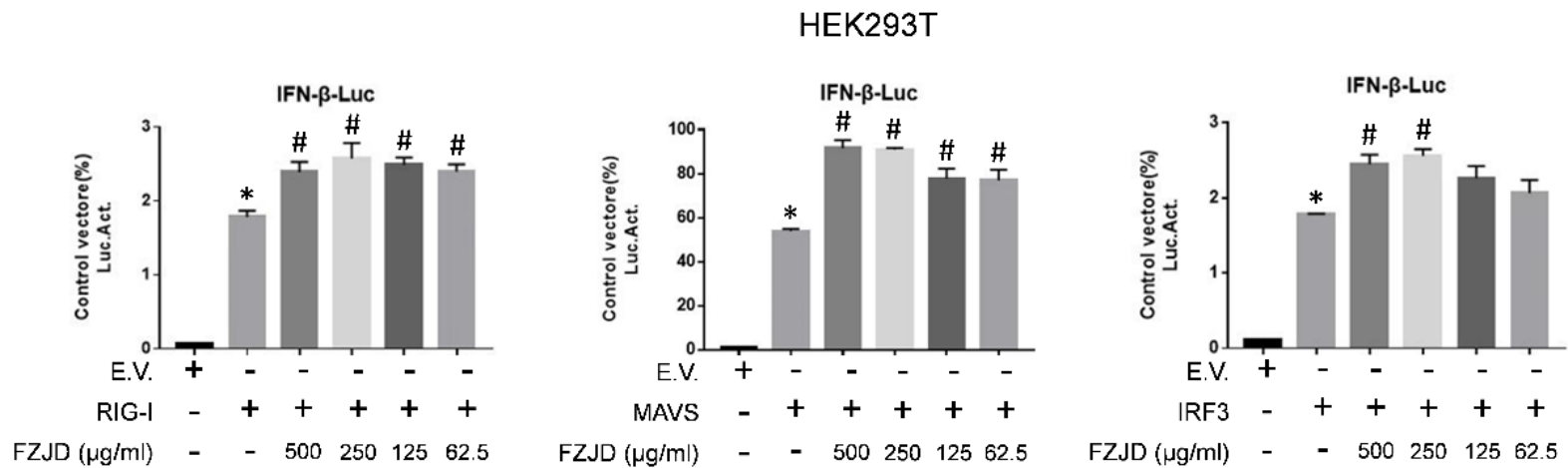
FZJD inhibited the replication of coronaviruses and the following inflammation.



* $P < 0.05$ VS Control. # $P < 0.05$ VS HCoV-OC43. ** $P < 0.01$. **** $P < 0.0001$.

Unpublished data

FZJD能够激活RIG-I/MAVS/IFN-I信号通路 FZJD activated RIG-I/MAVS/IFN-I signaling pathways.



* $P < 0.05$ VS E.V.. # $P < 0.05$ VS RIG-I/MAVS/IRF3 (Non-exposed to FZJD)

Unpublished data

Multi-center, prospective observational study

Five township hospitals in Yangshuo County, Guangxi, China

Inclusion criteria:

- mild or moderate COVID-19
- present with cough (total Cough Evaluation Test score > 5)
- written informed consent

Exclusion criteria:

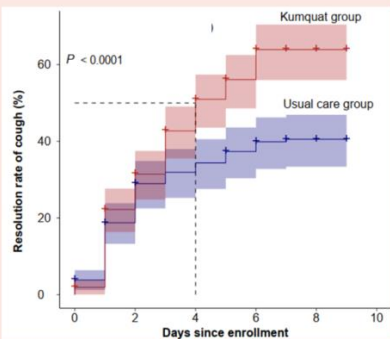
- allergic to Kumquat tea;
- with chronic lung disease
- heavy smokers
- unable to follow up regularly
- pregnant women;
- with severe comorbidities
- participated in other clinical trials within 1 month prior to this study.

Kumquat decoction group (n=481)

Usual care group (n=282)

Primary outcomes

Time from the study baseline to sustained cough resolution



Analyses (Kumquat decoction vs. Usual care)	Cough resolution	P-value
Difference in restricted mean survival time, days (Kumquat decoction -Usual care)	-0.742 (-1.235~ -0.25)	0.003
Crude analysis-HR (95% CI)	1.30 (1.04~1.62)	0.022
Multivariable analysis-HR (95% CI)	1.33 (1.06~1.68)	0.015
Propensity-score analyses-HR (95% CI)		
With Matching (209 vs. 209)	1.94 (1.48~ 2.53)	< 0.001
With pairwise algorithmic model	1.31 (1.02~1.68)	0.034
Propensity Score adjusted	1.30 (1.04~1.64)	0.023

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根类中药辨析...4版
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今日看点

CHINA NEWS OF TRADITIONAL CHINESE MEDICINE

中国中医药报

国家中医药管理局主管 CCM (中国中医药报) 社有限公司主办

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发挥中医优势助力“乙类乙管”

中药“大锅汤”让百姓暖心更安心

本报讯 (记者黄菁菁)为全面助力做好新冠病毒感染“乙类乙管”防控工作,充分发挥中医药在疫情防控和救治中的独特优势,全国多地纷纷推出中药“大锅汤”“养生汤”“防疫汤”等,让市民在浓浓的药香中感受到浓浓的暖意。在广西梧州,梧州中医药学会联合多家医疗机构,推出“大锅汤”“养生汤”“防疫汤”等,让市民在浓浓的药香中感受到浓浓的暖意。

梧州中医药学会联合多家医疗机构,推出“大锅汤”“养生汤”“防疫汤”等,让市民在浓浓的药香中感受到浓浓的暖意。

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《桂林日报》2023年1月5日第2版

阳朔: 发挥地方特色和优势

自制“金桔饮”改善群众新冠病毒感染后咳嗽症状

阳朔县福利镇社区卫生服务中心向群众发放“金桔饮”。

群众在阳朔县福利镇社区卫生服务中心免费领取“金桔饮”。

阳朔县中医医院的工作人员在配制“金桔饮”。

International Cooperation

Cooperation with more than 30 nations and regions.

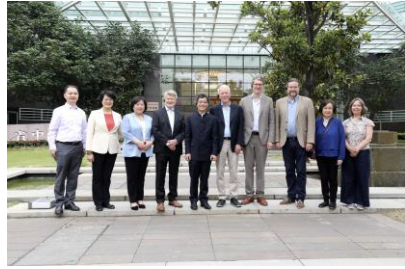
Guangdong is adjacent to Hong Kong and Macao, facing Southeast Asia,

With special cultural, geographical, climate , economic and trade advantages,

It has cooperated with more than 30 countries and regions in the world.



International Cooperation



**GDHCM cooperate with Karolinska Institutet in Sweden
(Guangdong Provincial Hospital of Chinese Medicine)**



**Chinese-Australian International Research Center of CM
(Guangdong Provincial Hospital of Chinese Medicine)**



**GDHCM cooperate with Utrecht University in Netherlands
(Guangdong Provincial Hospital of Chinese Medicine)**

Our Good Wish

Human health will be better served by developing sincere collaboration and conducting significant researches.

Looking forward to your sincere cooperation!



A nighttime photograph of a city skyline, likely Guangzhou, China. The Canton Tower is the most prominent feature on the left, illuminated with blue and purple lights. The rest of the skyline consists of various skyscrapers, some of which are lit up with white and yellow lights. The lights from the buildings are reflected in the water in the foreground. The sky is a deep blue, suggesting dusk or dawn.

Thanks!