

Supplement table s1 Pharmaceutical service intention survey

Q1 Where do you get information about cancer-related diseases and medicines? (multiple choice)

- doctor or nurse;                       professional books, journals;                       internet, magazine;
- pharmacist;                               WeChat (eg: Pharmacy of the Sixth Hospital);
- friends and family (other than healthcare professionals);
- TV (such as health programs, advertising);                       other\_\_\_\_\_

Q2 Have you consulted the pharmacist about medication?

(yes, continue to 3; no, skip to Q4)

- Yes                       No

Q3 What aspects of information do you consult with pharmacists mainly? (multiple choice)

- does the pharmacy have some special anti-tumor drugs?
- drug usage and indications;
- adverse drug reactions and side effects;
- questions about multiple medications or drug-drug interaction;
- other\_\_\_\_\_

Q4 What kind of pharmacy services do you need from pharmacists? (multiple choice)

- inquiry for basic information of drugs;
- questions on adverse drug reaction;
- questions on drug usage and dosage;
- questions on multiple medications, drug-drug interaction;
- to prevent the adverse drug reactions;
- lecture information on drug safety;
- other (you need)\_\_\_\_\_

Q5 If we lecturing on medication knowledge, will you attend?

- Yes     at my spare time                       No

Q6 Did you accept telephone call from us?

- Yes     No

Q7 Would you like to join the WeChat group hosted by Sixth Hospital clinical pharmacists and to share your medication experience with other patients and pharmacists?

- Yes     No

Q8 Did you satisfy the service provided by the pharmacist?

- satisfied                       ordinary level     not satisfied

**Table S2** A case of medication list modification after the effort both of clinical pharmacists and oncologists

	Drug	Specification	Manufacturer	Price (RMB)	Action	Cost difference
1	Compound $\alpha$ -Ketoacid tablets	630mg×100 tablet/box	Fresenius-Kabi investment (China) Co. Ltd.	51.096	reduce	-38.32
2	Shen Shuai Ning Jiao Nang	0.35g×36 capsule/box	Yunan Leiyunshang Lixiang Pharmaceutical Co. Ltd	47.26	no change	0
3	Piperazine ferulate tablets	50mg×50 tablet/bottle	Chengdu Heandpharm Co. Ltd	4.48	stop	-0.8
4	Shen Yan Kang Fu pian	0.48g×45 capsule/bottle	Tianjin Tongrentang group Co. Ltd	24.32	stop	-13
5	Fu Fang Ban Mao Jiao Nang	0.25g×36 capsule/box	Guizhou Yibai pharmaceutical Co. Ltd	72.99	stop	-12
6	Compound glutamin entresoluble capsules	36 capsule/bottle	Diao Group Chengdu Pharmaceutical Co. Ltd	38.28	no change	0
7	Mecobalamin tablets	500ug×20 tablet/box	Eisai China Holdings Ltd.	29.69	stop	-4.5
8	Sheng Xue Ning pian	0.25g×24 tablet/box	Wuhan United Pharmaceutical Co. Ltd	31.4	replace with Yixuesheng Capsules	+3.5
9	Omeprazole enteric-coated capsules	20mg×14 capsule/box	Changzhou Siyao Pharmaceutical Co. Ltd	38.67	stop	-2.7
10	She Xiang Bao Xin Wang	22.5mg×42 capsule/box	Shanghai Hutchison Pharmaceutical Co. Ltd	34.08	no change	0
11	Losartan potassium tablets	100mg×7 tablet/box	Merck Sharp & Dohme Limited (Hangzhou)	45.89	no change	0
12	Benidipine hydrochloride tablets	8mg×7 tablet/box	Kyowa Hakko Kirin China Pharmaecutical Co. Ltd	59.46	no change	0
13	Bai Ling Jiao Nang	0.5g×42 capsule/box	Hangzhou Zhongmei Huadong Medicine Co. Ltd	66.07	stop	-18.9
14	Jin Shui Bao pian	0.42g×36 tablet/box	Jiangxi Jiminkexin Group Co. Ltd	97.29	sto[	-32.43
15	Zhi Ling Jiao Nang	0.25g×48 capsule/box	Zhejiang Changxinzhijiao Group Co. Ltd	19.83	no change	0
16	Compound digestive enzyme capsules	20 capsule/box	Beijing Sunho Pharmaceutical Co.Ltd	34.58	stop	-20.75
17	Clostridium butyricum tablets	20mg×20 tablet/box	Miyarisan Pharmaceutical Co.Ltd (Japan)	24.67	no change	0
18	Uremic clearance granule (sugarless)	5g×18 package/box	Consun (inner Mongolia) Pharmaceutical Co. Ltd	65.84	stop	-10.97
19	Fu Fang Jin Qian Cao keli (sugarless)	3g×18 package/box	Guangxi Vantone Pharmaceutical Co. Ltd	24.95	no change	0
20	Reduced glutathione tablets	0.1g×24 tablet/bottle	Chongqing Yaopharm Pharmaceutical Co. Ltd	78.2	no change	0
21	Zu Shi Ma pian	0.3g×54 tablet/box	Qinghuangdao Shanghaiguan Pharmaceutical Co. Ltd	29.63	stop	-6.58
	Sum					-157.45