

## Supplement 1A. Antineoplastic medications samples of the intervention group

Generic Name	ATC	Classification	Manufactures <sup>1</sup>	Indications Approved in China
aclarubicin	L01DB04	chemotherapy	originator only	acute leukemia; malignant lymphoma;
altretamine	L01XX03	chemotherapy	generic only	ovarian cancer; small cell lung cancer; malignant lymphoma; endometrial cancers;
asparaginase	L01XX02	chemotherapy	originator and generic	acute lymphoblastic leukemia, ALL; acute myeloid leukemia, AML; acute monocytic leukemia, AMOL; chronic myeloid leukemia, CML; Hodgkin's lymphoma; non-Hodgkin's lymphoma; melanoma;
bleomycin	L01DC01	chemotherapy	originator and generic	Cutaneous Carcinoma; head and neck cancer; lung cancer; esophageal cancer; malignant lymphoma; cervical carcinoma; neuroglioma; thyroid carcinoma;
busulfan	L01AB01	chemotherapy	originator only	chronic myeloid leukemia; Essential Thrombocythemia, polycythemia vera and other chronic myeloproliferative disorders, CMPDs
carboplatin	L01XA02	chemotherapy	originator and generic	ovarian cancer; small cell lung cancer; head and neck squamous cell carcinoma;
carmofur	L01BC04	chemotherapy	generic only	gastrointestinal cancer(colon cancer, colorectal cancer, gastric cancer, esophagus cancer); breast cancer;
carmustine	L01AD01	chemotherapy	generic only	encephaloma; brain metastases; meningeal leukemia; malignant lymphoma; multiple myeloma; malignant melanoma;
dacarbazine	L01AX04	chemotherapy	generic only	melanoma; soft tissue tumor; malignant lymphoma;

daunorubicin	L01DB02	chemotherapy	generic only	acute myeloid leukemia, AML; acute lymphoblastic leukemia, ALL;
docetaxel	L01CD02	chemotherapy	originator and generic	breast cancer; non-small cell lung cancer;
doxifluridine	/	chemotherapy	generic only	Breast cancer; gastric cancer; colorectal cancer; nasopharyngeal cancer;
epirubicin	L01DB03	chemotherapy	originator and generic	leukemia; malignant lymphoma; multiple myeloma; breast cancer; lung cancer; soft tissue tumor; gastric cancer; liver cancer; colorectal cancer; ovarian cancer;
etoposide	L01CB01	chemotherapy	generic only	small cell lung cancer; malignant lymphoma; leukemia; neuroblastoma; rhabdomyosarcom; gastric cancer; esophageal carcinoma; malignant germ cell tumor; ovarian cancer;
fludarabine	L01BB05	chemotherapy	originator and generic	chronic lymphocytic leukemia;
fluorouracil	L01BC02	chemotherapy	generic only	Gastrointestinal Cancer; chorionepithelioma; breast cancer; Ovarian Carcinoma; lung cancer; cervical carcinoma; bladder cancer; skin cancer;
gemcitabine	L01BC05	chemotherapy	originator and generic	non-small cell lung cancer; pancreatic cancer; breast cancer;
hydroxycamptothecin	/	chemotherapy	originator and generic	primary liver cancer; gastric cancer; bladder cancer; rectal cancer; head and neck epithelial cancer; leukemia and other malignant tumors
lobaplatin	/	chemotherapy	originator only	breast cancer; small cell lung cancer; chronic myeloid leukemia

nedaplatin	/	chemotherapy	generic only	Solid tumors such as head and neck cancer, small cell lung cancer, non-small cell lung cancer and esophageal cancer
nimustine	L01AD06	chemotherapy	originator and generic	brain tumor; gastrointestinal cancer; lung cancer; malignant lymphoma; chronic leukemia;
oxaliplatin	L01XA03	chemotherapy	originator and generic	colorectal carcinoma; hepatocellular carcinoma, HCC;
semustine	L01AD03	chemotherapy	generic only	brain tumor; malignant lymphoma; gastric cancer; colon cancer; melanoma;
tegafur	L01BC03	chemotherapy	generic only	Gastrointestinal Cancer; breast cancer;
tegafur, gimeracil and oteracil porassium	L01BC53	chemotherapy	generic only	gastrointestinal cancer( gastric cancer; intestinal cancer; pancreatic cancer); breast cancer; liver cancer;
temozolomide	L01AX03	chemotherapy	originator and generic	glioblastoma multiforme, GBM; anaplastic astrocytoma;
teniposide	L01CB02	chemotherapy	originator and generic	malignant lymphoma; central nervous system-tumors; bladder cancer;
topotecan	L01XX17	chemotherapy	originator and generic	small cell lung cancer; ovarian cancer;
vindesine	L01CA03	chemotherapy	generic only	non-small cell lung cancer; small cell lung cancer; malignant lymphoma; breast cancer; esophageal carcinoma; malignant melanoma;
vinorelbine	L01CA04	chemotherapy	originator and generic	non-small cell lung cancer; breast cancer;

<sup>1</sup> Manufactures of specific medications during our study period.

## Supplement 1B. Antineoplastic medications samples of the control group

Generic Name	ATC	Classification	Manufactures <sup>1</sup>	Indications Approved in China
actinomycin D	L01DA01	chemotherapy	originator and generic	Hodgkin's disease; neuroblastoma; choriocarcinoma; testicular cancer; Wilms'tumor; Ewing's sarcoma; rhabdomyosarcoma
amsacrine	L01XX01	chemotherapy	generic only	acute leukemia; malignant lymphoma;
arsenite	L01XX27	chemotherapy	generic only	acute promyelocytic leukemia, APL; liver cancer;
bortezomib	L01XX32	targeted therapy	originator and generic	multiple myeloma; mantle cell lymphoma;
cetuximab	L01XC06	targeted therapy	originator only	colorectal cancer;
decitabine	L01BC08	chemotherapy	originator and generic	myelodysplastic syndrome(MDS);
doxorubicin	L01DB01	chemotherapy	originator and generic	acute myeloid leukemia; lymphoma; soft tissue tumor and osteosarcoma; children malignant tumour; solid tumor in adults; particularly breast cancer and lung cancer;
erlotinib	L01XE03	targeted therapy	originator only	non-small cell lung cancer;
floxuridine	L01BC09	chemotherapy	generic only	liver cancer; rectum cancer; esophageal cancer; gastric cancer; breast cancer;lung cancer;
fluorouracil combinations	L01BC52	chemotherapy	generic only	gastrointestinal cancer; breast cancer; liver cancer;
gefitinib	L01XE02	targeted therapy	originator only	non-small cell lung cancer;
idarubicin	L01DB06	chemotherapy	originator only	acute myeloid leukemia, AML; acute lymphoblastic leukemia, ALL;

imatinib	L01XE01	targeted therapy	originator and generic	chronic myeloid leukemia, CML; gastrointestinal stromal tumors, GIST; acute lymphoblastic leukemia, ALL;
raltitrexed	L01BA03	chemotherapy	originator only	colorectal cancer;
rituximab	L01XC02	targeted therapy	originator only	follicle Center Lymphomas; follicular non-Hodgkin's lymphom; diffuse large B-cell lymphoma;
sunitinib	L01XE04	targeted therapy	originator only	renal cell cancer, RCC; gastrointestinal stromal tumors, GIST; pancreatic neuroendocrine tumors, pNET;
sorafenib	L01XE05	targeted therapy	originator only	renal cell cancer; hepatocellular carcinoma; thyroid cancer;
tioguanine	L01BB03	chemotherapy	generic only	acute lymphocytic leukemia; acute non-lymphocytic leukemia; chronic myeloid leukemia;
nilotinib	L01XE08	targeted therapy	originator only	chronic myeloid leukemia;
trastuzumab	L01XC03	targeted therapy	originator only	breast cancer; gastric cancer;
thiotepa	L01AC01	chemotherapy	generic only	breast cancer; ovarian cancer; bladder cancer; gastrointestinal cancer;
vinblastine	L01CA01	chemotherapy	generic only	acute leukemia; Hodgkin's lymphoma; malignant melanoma; breast cancer; bronchogenic carcinoma; soft tissue sarcoma; neuroblastoma;

<sup>1</sup> Manufactures of specific medications during our study period.