

## S04-5 Outcome of the pharmaceutical care by Oncology Pharmacists for the inpatients with cancer chemotherapy

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Pharmaceutical care in cancer chemotherapy should be done to contribute to the medical safety through regimen management, ensuring prescription, injection preparations and providing appropriate drug information. Since adverse effects of anticancer drugs are severe and diverse, the medication error occasionally causes lethal results. In the pediatric cancer, since there is much difference from the adult in patient ages, pathophysiologies, anticancer drugs used, administrating routes and drug compliance, the different approach of the pharmaceutical care is needed. Furthermore, the regimen management becomes intricated by complications, risk classification, patient age and weight. We summarized the dose adjustment methods and chemotherapeutic scheme in each protocol so that we could make the verification easier. We evaluated an economical effect by shortening the working time, and avoiding the adverse effects. Before the pharmacist intervention on the orthopedic ward, there were some problems in safety management and practice efficiency because of an insufficient standardization of chemotherapy. Therefore we performed pharmaceutical intervention for incompatibility and standardized the administration time, parenteral fluid and dosage. We changed the antiemetic therapy in accordance with an NCCN guideline, and evaluated the antiemetic effect and QOL improvement of the patients. Four BCOPSSs in our hospital have cooperated each other and contributed to proper use of anticancer drugs, reduction of adverse effects and education. We will discuss the pharmaceutical outcome focused cost effectiveness and QOL.