

management system (SAP®) and compared them with the same period the previous year.

**Results** During the study 43 non-haematology patients were treated with antifungal agents. In 38 patients (88.4%) the approved treatment guidelines were followed and in 5 patients (11.6%) they were breached. The most significant breaches occurred in internal medicine (22.2%) and in critical care (3.7%).

Regarding avoided costs for the six months of the study, antifungal costs were reduced by 240,616 euros. We observed a 61.9% and 48% increase in use in fluconazole and anidulafungin, and a 42.8% and 41.7% decrease in caspofungin and liposomal amphotericin B use. These results are consistent with the recommendations contained in the guide (first line use of fluconazole in non-immunosuppressed patients and in azole resistance use anidulafungin). Micafungin use was restricted to the paediatric population with consumption equal to that in the previous period.

**Conclusions** The treatment guideline compliance was excellent at our hospital, resulting in a significant decrease in antifungal expenses. Implementation of these guidelines in the management of high-cost drugs resulted in significant cost reductions and therefore in a more rational use of healthcare budgets.

No conflict of interest.

#### GRP-029 ASSESSMENT OF THE THERAPEUTIC MANAGEMENT OF PATIENTS ON WEEKEND LEAVE

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**Background** A patient's suicide attempt with benzodiazepines was reported to our quality department. The patient ingested a bottle of drops given for his weekend leave. According to French regulations, patients are allowed to leave hospital for at most 48 hours but administratively they are still hospitalised and under the director's responsibility. Their medicines must be provided for this period.

**Purpose** To assess the therapeutic management of patients on weekend leave in order to highlight opportunities for improvement. **Materials and Methods** We performed an audit of the medical management of patients on weekend leave. The audit was performed using a form containing open questions. One nurse from each department was audited.

**Results** Although nurses can't refer to any procedures on this topic, all care units provide medicines by strictly following the prescription. Multidose vials (drops, syrups, etc.) are not unpacked and are given in their entirety. One care unit out of nine mentioned that patients are stated to be on leave in the patient's medical record. Only 22% of audited nurses systematically put the treatment in a pillbox. Several nurses reported that pillboxes weren't available which resulted in treatments being bulk packed in a bag by 66% of wards or in a plastic pot by 11%. 56% of treatments were delivered with the care plan coming from the patient record.

**Conclusions** The audit highlighted the need to standardise practices (traceability, packaging of treatment and the presence of a care plan) and improve safety, to purchase daily pillboxes for all wards and to solve technical problems for delivering multidose medicines.

The pharmacy, in cooperation with the quality department, wrote a procedure in order to refocus the medical management of patients going on leave. The pharmacy is now responsible for delivering oral syringes for drinkable solutions in order to prevent such an accident from happening again, by delivering the exact amount prescribed.

No conflict of interest.

#### GRP-030 AUDIT OF PHARMACISTS' INTERVENTIONS WHEN SCREENING ADULT CHEMOTHERAPY PRESCRIPTIONS ON AN ELECTRONIC PRESCRIBING SYSTEM

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**Background** The UK Cancer Standards require there to be protocols for chemotherapy treatment. The Thames Valley Cancer Network (TVCN) has developed and maintained network-wide protocols, which are continually updated for each tumour site-specific group. Clinical verification of chemotherapy prescriptions by pharmacists is an essential step to ensure patient safety and compliance with protocols, in line with national standards.

**Purpose** To audit pharmacists' interventions when clinically screening adult chemotherapy, clinical trial and supportive care prescriptions for oncology and haematology patients in the Oxford University Hospitals NHS Trust (OUH), and to ascertain the level of compliance of these prescriptions with relevant protocols and guidelines. To compare results with the audit undertaken in OUH in 2010.

**Materials and Methods** Pharmacists clinically screening the prescriptions completed an intervention form at the time of screening to enable prospective data collection over a three-week period. The screening pharmacists graded the intervention at the time of data collection, and interventions were subsequently independently graded by the investigator. The results of this audit are compared to a previous audit carried out for OUH, and the aim was to compare interventions during the two audit years.

**Results** The OUH had a decrease in the number of interventions made by 24% compared to the audit in 2010. The number of moderate and major interventions made also decreased by 5% and 23% respectively. Time spent on making interventions also decreased. Incorrect frequency/duration/date of treatment, inappropriate dose, confirmation of dose/regimen/prescriptions were prescribed according to guidelines compared to just 68% in 2010.

**Conclusions** The changes implemented after the OUH audit in 2010 were successful and this is seen in the results. To improve further this audit should be conducted across TVCN hospitals every year so that each hospital can monitor their progress. Having regular training days for clinicians would be beneficial.

No conflict of interest.

#### GRP-031 BARCODE TECHNOLOGY ON THE SAFETY OF CYTOSTATIC DRUGS ADMINISTRATION, ONE YEAR EVALUATION

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**Background** Technology has been developed to verify medicines by incorporating barcode verification technology within an electronic medicines-administration system (eMAR barcode) to prevent serious medicines errors during administration of medicines.

**Purpose** To evaluate the implementation of an electronic system of validation and control of cytostatic drug administration using barcodes and an electronic medicines-administration system (eMAR).

**Materials and Methods** To identify patients we used barcoded wristbands and we acquired PDAs as eMAR, which were connected to the e-prescribing programme by the hospital WIFI.

After having received the medicine sent from the Pharmacy Department, the nurse scans the barcodes printed on the patient's wristband, then drug information about the medicines to be administered appears on the screen of the PDA (patient data, route, speed and time of administration, sequence order, components, and number of administrations). After scanning the barcode on the patient's