In the FP group, 188 PIs were registered (mean interventions/patient 3.1 (DE 2.3)): 43.6% were medical reconciliation errors, 16.5% were to discontinue a prescription (DP), 11.2% were omission of a drug in the acute treatment (ODAT) and 12.7% were other reasons. A total of 22.3% of the interventions were made in HRD (85.7% accepted) and 12.2% in PID (73.9% accepted).

In the ROP group, 370 PIs were registered (mean interventions/patient 1.25 (DE 0.6)): 29.5% were incorrect dose, 18.1% were medical reconciliation errors, 14.7% were exchange of a drug was proposed, 7.8% were adjustment to renal function, 5.4% were DP, 5.1% were ODAT and 19.4% were other. A total of 19.5% of interventions were done in HRD (75.0% accepted) and 11.4% in PID (40.5% accepted).

The approval rates for FP and ROP were 80.9% and 69%, respectively. Results were presented to the hospital’s security commission. Six security measurements were accepted and implemented, two related to HRD (insulin and anticoagulants).

Conclusion and relevance The high rates of acceptance of the PIs showed that the integration of the pharmacist in the multidisciplinary ED team improved the safety of the prescriptions, especially when the pharmacist was physically present.

REFERENCES AND/OR ACKNOWLEDGEMENTS

No conflict of interest.

4CPS-172 OFF-LABEL USE OF INTRALESIONAL CIDOFOVIR IN RECURRENT RESPIRATORY PAPILLOMATOSIS: A CASE REPORT

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Background and importance Recurrent respiratory papillomatosis (RRP) is a rare disease that predominantly affects the larynx and trachea, but it can spread to any other part of the respiratory tract. The aetiological agent of RRP is human papilloma virus types 6 and 11. Treatment options in RRP include surgical excision and adjuvant antiviral drug administration.

Aim and objectives To describe the preparation of intralesional cidofovir as a magistral formula and its clinical effect in a patient with RRP.

Material and methods We performed a descriptive study of RRP in a 3-year-old child with dysphonia since birth. Papillomatous lesions were located on the vocal folds and the laryngeal surface of the epiglottis. The patient underwent a surgical intervention in September and November 2018. In January 2019, due to new recurrence, physicians decided to start treatment with 5 mg/mL intralesional cidofovir, one injection of 10 mg every 2 weeks.

Results The preparation was prepared taking 0.2 mL (15 mg) from the commercial presentation and filling it with physiological saline solution to obtain a final volume of 3 mL, resulting in a 5 mg/mL concentration. The mixture was prepared in a vertical laminar flow hood and aseptically filled into luer lock syringes, each one containing 1 mL, and the rest of the mixture was thrown out. The preparation was kept in cold storage (2–8°C). The shelf life of the prefilled syringes for intralesional administration was limited to 24 hours in order to minimise the risk of microbial contamination.

The patient received six injections of cidofovir from February to May 2019. The child presented good tolerance without reduction of lesions and symptoms, despite a slight dose increase in the last injection. After failure of intralesional cidofovir, the patient started adjuvant treatment with alpha-2b-interferon and indole-3-carbinol in order to decrease the frequency of papilloma recurrence and reduce the number of surgeries required.

Conclusion and relevance The formulation was simple, and it did not take a long time to prepare. However, in our case, intralesional cidofovir administration did not seem to be an effective treatment of RRP, although there is evidence available suggesting otherwise.
Background and importance Since 2015, a pharmacist/resident duo has been conducting drug reconciliation and medication review in the orthopaedic surgery department. They participate in multidisciplinary team (MDT) meetings to discuss patient with osteomyelitis. These clinic case conferences take place every week to determine the most suitable surgical and medical treatments for individual patients.

Aim and objectives The objective of this study was to assess the impact of the pharmacist’s involvement in the MDT meetings on the medical management of patients with osteomyelitis.

Material and methods A prospective study was conducted on all pharmaceutical recommendations (PRs) made during the MDT meetings. The data collection period was from June to September 2019. All patients had their medications reconciled previously. We used the drug related problem classification system (DRP) to rate the PRs and to identify the problems, causes, types and outcomes of these interventions.

Results Of the 17 MDT meetings, 220 patient records were reviewed and 24 PRs were identified. The pharmacist provided information about the patient, along with treatment and recommendations in 38% of cases (renal function, galenic alternatives, previous prescriptions, availability and cost of the drug). For 62% of patients, this information changed the therapeutic decision: choice of antibiotic (33%), potential interactions with long term medications (29%), need to add a drug (12.5%) and optimal dosing for 8% of cases (subtherapeutic in 4%, overdosing in 4%). A large majority (95.8%) of the recommendations were accepted by the prescribers. The most common class of medication was systemic antibiotics (88%).

Conclusion and relevance The work of medication reconciliation and checking prescriptions was carried out by the pharmacist in the orthopaedic department and this allowed better understanding of the patient and their medication. By participating in MDT meetings, the pharmacist can communicate directly with the prescriber and contribute to clinical decision making regarding anti-infective medications. The clinical pharmacist provided a comprehensive review and therefore played a major role in the medical management of patients with osteomyelitis.

REFERENCES AND/OR ACKNOWLEDGEMENTS

No conflict of interest.