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Clinical pharmacy service at orthopedic department in the Czech Republic

Jitka Rychlíčková^{1, 2}

¹Hospital Na Bulovce, Prague, Czech Republic

²University of Veterinary and Pharmaceutical Sciences, Czech Republic

Statement of the Problem: In the Czech Republic the clinical pharmacy is a young and rapidly growing field. One of the Czech clinical pharmacy authorities predefined some general procedures how to provide clinical pharmacy; three levels of clinical pharmacy services were predefined. Previously published data to the topic of clinical pharmacy services in orthopedics and traumatology departments are very scarce. The aim is to present results of clinical pharmacy service at orthopedic/traumatology department as an example of application of predefined procedures.

Methodology & Theoretical Orientation: We have been collecting data during four years of continuous cooperation. At the department (with 7 units) the combination of all three levels of clinical pharmacy services was applied.

Findings: Our results provide an evidence of increasing orthopedists' adherence to newly introduced clinical pharmacy service during four years as well as provide an evidence of professional growth of clinical pharmacist herself. On the first level of clinical pharmacy services the clinical pharmacist does an intervention in 17% of admitted patients at this type of department, the most interventions are associated with antithrombotics and the recommendation to continue the unchanged therapy is becoming the most common intervention during the four-year period. On the second level of clinical pharmacy services the analgesic therapy was improved by elimination of an off-label drug, moreover hydration regimen and prevention of chemotherapy induced nausea and vomiting was optimized. On the third level some rules for prescription were established.

Conclusion & Significance: There is evidence how the general predefined procedures work, their application to the orthopedic/traumatology department is shown and their efficacy in here is presented. There is enough space for clinical pharmacy services even in orthopedics/traumatology.

Biography

Jitka Rychlíčková works as a Clinical Pharmacist at Hospital Na Bulovce, Prague, she has been assigned to Orthopedic Department for four years. She is a PhD candidate in the field of Safety and Quality of Drugs where she deals with economic evaluation of clinical pharmacy services. As a member of the board of the Czech Society of Clinical Pharmacy, she contributes to clinical pharmacy developing in the Czech Republic. She is interested in teaching and is a Lecturer in Continuous Pharmacy and Clinical Pharmacy Education, as well as she teaches Pharmacology to Under-graduate Medical students.

jitka.rychlickova@gmail.com

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